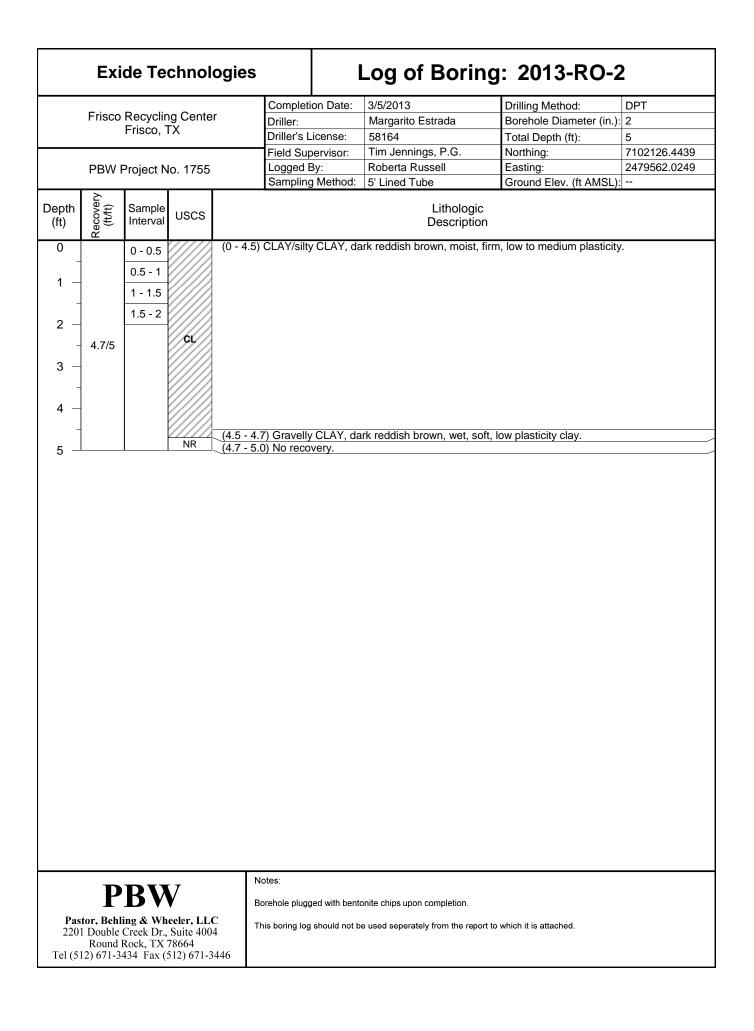
				Completion I	Date: 3/15/2013		Drilling Method:	DPT
	Frisco	Recyclin	ng Cente	Driller:	Dan Spaust		Borehole Diamete	
		Frisco,	IX	Driller's Licer		1	Fotal Depth (ft):	5
				Field Superv	isor: Will Vienne,	P.G. 1	Northing:	7102059.9189
	PBW	Project N	lo. 1755	Logged By:	Will Vienne,		Easting:	2479678.4051
		1		Sampling Me	ethod: 4' Lined Tub	e (Ground Elev. (ft A	MSL):
epth (ft)	Recovery (ft/ft)	Sample Interval	USCS		I	Lithologic Description		
0				(0 - 5.0) Silty CLAY, ve limestone granules, m	ery dark gray, modera oist, soft, low plastici	ately abundant d	ecayed plant mate	erial, common
1 —								
2 —	2.7/4							
-		2 - 2.7	CL					
3 —								
4 —	1/1	4 - 5						
		4-5	/////					
5 —								
	D			Notes:				
Pas	tor, Behl	BW ing & Wh	V neeler, LLO , Suite 4004	Borehole plugged w	ith bentonite chips upon c		nich it is attached.	

	Frisco	Recyclir	ng Cente	Completion Driller:	Date:	3/15/2013 Dan Spaust	Drilling Method: Borehole Diameter	DPT
		Frisco,	тх	Driller's Lice	nse [.]	3038	Total Depth (ft):	5
				Field Superv		Will Vienne, P.G.	Northing:	7102073.3953
	PRW	Project N	lo. 1755	Logged By:		Will Vienne, P.G.	Easting:	2479606.9524
		10,0001		Sampling Me		4' Lined Tube	Ground Elev. (ft AM	
epth (ft)	Recovery (ft/ft)	Sample Interval	USCS		gic tion			
0	2	0 - 0.5	/////	(0 - 5.0) Silty CLAY, v	ery dark	gray, dark brownish	gray with increased silt belo	ow 4', soft to slightly
-				firm, low plasticity, mo pebbles.	derate t	o abundant decayed	plant material, trace limesto	one granules and
1 —		0.5 - 2						
2 —	4/4							
-	., .		CL					
3 —		2 - 4						
-								
4 —								
_	1/1	4 - 5						
	P	BV	V	Notes:		nite chips upon completion		

					Completion Date:	3/5/2013	Drilling Method:	DPT
	Frisco	Recyclir Frisco,	ng Cente TX	r	Driller:	Margarito Estrada	Borehole Diameter (in.)	
		,			Driller's License: Field Supervisor:	58164 Tim Jennings, P.G.	Total Depth (ft): Northing:	5 7102103.5329
	PBW I	Project N	lo. 1755		Logged By:	Roberta Russell	Easting:	2479578.3769
					Sampling Method:	5' Lined Tube	Ground Elev. (ft AMSL)	
Depth (ft)	kecovery (ft/ft)	Sample Interval USCS				Litholog Description		
0		0 - 0.5	/////	(0 - 1.0)	Silty CLAY/CLAY, d	ark reddish brown, mois	t, soft to firm, low plasticity.	
-	-	0.5 - 1						
1 –	-	1 - 1.5		(1.0 - 1.)	1) Sandy CLAY, dar	k reddish brown with trac	ce orange Fe-ox staining, mois	st, soft, low
-	-	1.5 - 2		\plasticity	v clay.		nt brown from 2.5 to 5', wet at	
2 —	-	1.5 - 2		low to m	edium plasticity.	aant readion brown, ligt		o.r , moior, ouil,
-	4.5/5		CL					
3 —	-							
-								
4 -								
+ -								
5 –								



					Completion Date:	3/15/2013	Drilling Method:	DPT
	Frisco	Recyclin	ng Center		Driller:	Dan Spaust	Borehole Diameter	(in.): 2
		Frisco,	IX		Driller's License:	3038	Total Depth (ft):	5
					Field Supervisor:	Will Vienne, P.G.	Northing:	7102104.7761
	PBW I	Project N	lo. 1755		Logged By:	Will Vienne, P.G.	Easting:	2479557.0085
	``				Sampling Method:	4' Lined Tube	Ground Elev. (ft AM	ISL):
epth ft)	Recovery (ft/ft)	Sample Interval	USCS			Litholog Descript		
0	Ľ.	0 - 0.5		(0 - 5.0) limesto	Silty CLAY, dark br ne granules, trace lir	ownish gray, very moist, nestone pebbles.	soft, low to medium plastic	city, abundant
1 —		0.5 - 2						
2 -	3.2/4							
-			CL					
3 -		2 - 4						
4 —								
-	0.6/1	4 - 5						

	Frisco		ng Center	Com Drille	pletion Date: er:	3/5/2013 Margarito Estrada	Drilling Method: Borehole Diameter (in.):	DPT 2
		Frisco,	IX		r's License:	58164	Total Depth (ft):	5
					Supervisor:	Tim Jennings, P.G.	Northing:	7101666.6928
	PBW I	Project N	lo. 1755		ed By:	Roberta Russell	Easting:	2480460.5413
				Sam	pling Method:	5' Lined Tube	Ground Elev. (ft AMSL):	
epth ft)	Recovery (ft/ft)	Sample Interval	USCS			Lithologi Descriptio	on	
0		0 - 0.5		(0 - 3.6) FILL, firm, low plasti		rown, silty clay with sand	l and gravel, plastic chip at 1',	, moist, soft to
1 —		0.5 - 2	FILL					
2 —	5/5							
3 —		2 - 4						
4 —						-30-40% gravel, light red	dish brown, fine to medium gi , medium plasticity.	rained gravel.
-	-	4 - 5					, modiani plaotoky.	

					Completion Date:	3/5/2013	Drilling Method:	DPT
	Frisco	Recyclin	ng Cente	r	Driller:	Margarito Estrada	Borehole Diameter (in.)	: 2
		Frisco,	IX		Driller's License:	58164	Total Depth (ft):	5
					Field Supervisor:	Tim Jennings, P.G.	Northing:	7101641.6386
	PBW	Project N	lo. 1755		Logged By:	Roberta Russell	Easting:	2480461.4981
					Sampling Method:	5' Lined Tube	Ground Elev. (ft AMSL)	:
epth (ft)	Recovery (ft/ft)	Sample Interval				Lithologie Descriptic		
0		0 - 0.5	(CL/)	(0 - 0.5)	Sandy CLAY, dark	reddish brown, moist, soft	, low plasticity clay.	
-	-					sh brown, abundant black	staining from 3-4', moist, we	t at 3', soft, high
1 –	-	0.5 - 2		plasticity	y.			
-	_	0.5 - 2						
2 -	_							
-	4 4/5		(сн/					
-	4.4/5							
3 -	-	2 - 4						
-	-							
4 –								
7				(4.0 - 5.	0) Sandy CLAY, ligh	t grayish brown, trace bla	ck staining, wet, soft, low pla	sticity clay.
-		4 - 5	CL/					

Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664 Tel (512) 671-3434 Fax (512) 671-3446

This boring log should not be used seperately from the report to which it is attached.

		Completion Date:	3/5/2013	Drilling Method:	DPT
co Recyclii	ng Center				
Frisco,	ТХ				5
					7102156.5364
V Project N	1755				2479518.8436
VI TOJOULI	0. 1700				
	FILL (0 (0 (0	9 - 0.7) FILL, dark reddish b 9.7 - 3.0) Silty CLAY, dark re	Lithologic Descriptic rown, silty clay with grave eddish brown, moist, soft	c on el, dry, soft. , low to medium plasticity.	
		Notes:			
	Frisco, V Project N Sample Interval 0.5 - 2 5 2 - 4	5 2 - 4 (3 SW)	Frisco, TX Driller's License: Field Supervisor: Logged By: Sampling Method: V Project No. 1755 Field Supervisor: Logged By: Sampling Method: Sample Interval USCS FILL (0 - 0.7) FILL, dark reddish b 0.5 - 2 CL 5 2 - 4 Sw (3.0 - 5.0) Silty SAND, ~30%	Frisco, TX Driller's License: 58164 V Project No. 1755 Field Supervisor: Tim Jennings, P.G. Logged By: Roberta Russell Sample USCS Lithologi Interval USCS Lithologi 0.5 - 2 CL (0 - 0.7) FILL, dark reddish brown, silty clay with grave 5 2 - 4 (3.0 - 5.0) Silty SAND, ~30% calcareous sand, dark red	Frisco, TX Driller's License: 58164 Total Depth (ft): V Project No. 1755 Field Supervisor: Tim Jennings, P.G. Northing: Logged By: Roberta Russell Easting: Sample Sample Ground Elev. (ft AMSL): Interval USCS Lithologic Description 0.5 - 2 (0 - 0.7) FILL, dark reddish brown, silty clay with gravel, dry, soft. 5 2 - 4 (3.0 - 5.0) Silty SAND, ~30% calcareous sand, dark reddish brown, dry, soft.

		Recyclir Frisco, 1	ng Cente TX	r	Completion Date: Driller:	3/5/2013 Margarito Estrada	Drilling Method: Borehole Diameter (in.):	
					Driller's License: Field Supervisor:	58164 Tim Jennings, P.G.	Total Depth (ft): Northing:	5 7102143.1089
		Project N	lo 1755		Logged By:	Roberta Russell	Easting:	2479512.8889
		TOJECI N	0. 1755		Sampling Method:	5' Lined Tube	Ground Elev. (ft AMSL):	
Depth (ft)	Recovery (ft/ft)	Sample Interval				Lithologi Descriptic	0	1
0		0 - 0.5	/////			to reddish brown, abund	lant orange Fe-ox staining, m	oist, soft, low
- 1 — -		0.5 - 2	CL	plastic	ity.			
2 —	5/5		CL/SC	low pla	asticity clay.	-	own, some orange Fe-ox stai	-
3 —		2 - 4	CL		, ,,			
4 —		4 - 5		(4.0 - 4	4.9) Gravelly CLAY, ~2	20% medium gravel, light	reddish brown, moist, soft, lo	w plasticity clay

	Frisco	Recyclir	ng Cente	r	Completion Date: Driller:	3/6/2013 Margarito Estrada	Drilling Method: Borehole Diameter (in.)	Hand Auger
		Frisco, 1	ГХ		Driller's License:	58164	Total Depth (ft):	4
					Field Supervisor:	Tim Jennings, P.G.	Northing:	7102319.6421
	PBW F	Project N	lo. 1755		Logged By:	Roberta Russell	Easting:	2479301.9603
	>				Sampling Method:	3"X6" Hand Auger	Ground Elev. (ft AMSL)):
epth (ft)	Recovery (ft/ft)	Sample Interval USCS Lithologic Description						
0	0.5/0.5						er plasticity with depth, mode	erate orange
_	0.5/0.5	(////			taining, moist, iirm to	hard, low to medium pla	Sticity.	
1 —	0.5/0.5	0.5 - 2						
-	0.5/0.5							
2 —	0.5/0.5		CL					
-								
3 —	0.5/0.5	2 - 4						
-	0.5/0.5							
4 —	0.5/0.5		/////					

					Completion Date:	2/0/2042	Duilling Mathematic	
	Frisco I	Recyclir	ng Cente	r	Completion Date:	3/6/2013 Margarito Estrada	Drilling Method: Borehole Diameter (i	Hand Auger
		Frisco, T			Driller: Driller's License:	58164		
							Total Depth (ft):	3
					Field Supervisor:	Tim Jennings, P.G.	Northing:	7102283.5451
	PBW P	roject N	lo. 1755		Logged By: Sampling Method	Roberta Russell : 3"X6" Hand Auger	Easting: Ground Elev. (ft AMS	2479298.0939
	>				Sampling Method			5L).
epth (ft)		Sample Interval	USCS			Litholog Descript		
0		0 - 0.5	/////	(0 - 3.0)) Silty CLAY, dark re	eddish brown, trace red F	e staining, moist, soft to firm	n, low plasticity.
_		0 0.0						
1 -	0.5/0.5							
•	0.5/0.5	0.5 - 2						
_	0.5/0.5		CL					
2 –	0.5/0.5							
-		2 - 3						
3 _	0.5/0.5							
5								
					Notes:			
	D				Notes:			
	P	BW				ntonite chips upon completion.		
				1		ntonite chips upon completion.		
Pas	tor, Behli	ng & Wh	eeler, LLO	C .	Borehole plugged with be		eport to which it is attached	
Pas 2201	tor, Behlin I Double C	ng & Wh Freek Dr.,	eeler, LLO Suite 4004	C .	Borehole plugged with be	ntonite chips upon completion.	eport to which it is attached.	
Pas 2201	tor, Behli	ng & Wh Freek Dr.,	eeler, LLO Suite 4004	C .	Borehole plugged with be		eport to which it is attached.	

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Site Investigation Report Boring Logs (PBW, 2012a)

	Frisco Recy	cling Ce	enter	Completion Date: Drilling Company:	1/12/2012 StrataCore	Drilling Method: Borehole Diameter (in.):	HSA 8.25
		o, TX		Driller:	Mario Robles	Total Depth (ft):	22
				Driller's License:	52694	Northing:	7102589.0425
	PBW Projec	t No. 17	755	Logged By:	Christopher Moore, P.G.	Easting:	2481314.6445
	1 BTT Hojet			Sampling Method:	3"x 5' Barrel	Ground Elev. (ft AMSL)	650.33
Depth (ft)	Well Materials	Recovery (ft/ft)	uscs			thologic scription	
0 5		3.0/5.0		odor or staining observe	gravel.	n, medium to high plasticity moist, firm, high plasticity.	r, trace gravel, no
		3.7/5.0	CH	9.5: wire fragment, pos Below 10.0: fractured, c	sible fill/reworked material prange staining along fract	above.	
15 —		3.9/5.0		11.5-12.0: gravelly, moi 13.0-13.2: silty/gravelly 13.9-14.2: gravelly, mo	, moist to wet.		
-		4.5/5.0		(19.2 - 22.0) SHALE d	ark gray, moist, hard, lamir	nated fissle	
20 -		2.0/2.0	SH	(19.2 - 22.0) SHALE, u	ark gray, moist, nard, iann		
		2.0/2.0					
	PB stor, Behling &			Notes: Boring location hand probed to This Log of Boring should not b	5 feet to check for utilities. be used seperately from the report to t	Initial Fluid Level (1/16 Depth to water: 15 which it is attached.	

Frisco Recycling Center Frisco, TX PBW Project No. 1755	Completion Date: Drilling Company: Driller:	1/12/2012		
Frisco, TX			Drilling Method:	HSA
	Driller:	StrataCore	Borehole Diameter (in.):	8.25
PBW Project No. 1755		Mario Robles	Total Depth (ft):	22
PBW Project No. 1755	Driller's License:	52694	Northing:	7101791.617
	Logged By:	Christopher Moore, P.G.	Easting:	2481082.2078
	Sampling Method:	3"x 5' Barrel	Ground Elev. (ft AMSL):	041.73
Oepth Well (ft) Materials		Desc	ologic cription	
siz	e carbonate nodules,	rk grayish brown, moist, firm no odor, no staining or fore ze carbonate nodules.	n, medium to high plasticit gn material observed.	y, trace sand
4.5/5.0 or	5.5 - 19.7) CLAY, CH ange staining along fr	, gray and yellowish brown, acture planes.	moist, firm, high plasticity	fractured,
20 (1 2.0/2.0 SH	9.7 - 22) SHALE, darl	k gray, moist, hard, laminate	d, fissle.	

					Completion Date	3/29/2012	Drilling Method:	Hand Sampler
			g Center		Drilling Company		Borehole Diameter (in.	
		Frisco, 7	ГХ		Driller:	NA	Total Depth (ft):	2
					Driller's License:	NA	Northing:	7098992.01
		Project N	1755		Logged By:	Christopher Moore, P		2476012.67
	FDVVI	-TOJECI N	0. 1755		Sampling Method		Ground Elev. (ft AMSL	
epth (ft)	Recovery (ft/ft)	Sample Interval	uscs			Lithologic De		
0 1 — -	0.9/2.0	0-2	СН	(0 - 2.0) materia	CLAY, CH, light bi observed, no odo	own, moist, soft to firm, n	nedium to high plasticity, no s	taining or foreign
							1	

				Comp	letion Date:	3/29/2012	Drilling Method:	Hand	d Sampl
	Frisco	Recyclin	g Center		g Company:	NA	Borehole Diamet		
		Frisco, T	-X	Driller		NA	Total Depth (ft):	2	
					's License:	NA	Northing:		083.46
	PRW P	Project N	0 1755	Logge		Christopher Moore, F		2476	6047.00
					ling Method:	2"x 2' Barrel	Ground Elev. (ft	AMSL):	
Depth (ft)	Recovery (ft/ft)	Sample Interval	USCS			Lithologic De	escription		
0 - 1 -	<u>∝</u> 1.3/2.0	0-2	eL	(0 - 2.0) SILTY (or foreign mater	CLAY, CL, da rial observed,	rk brown, moist, soft to no odor.	o firm, medium plasticity,	, trace roots,	no stair

					Completio	on Date:	3/29/2012		Drilling Method:	Hand Sampler
	Frisco	Recyclin	g Center		Drilling Co		NA		Borehole Diameter (in.)	
		Frisco, T	TX		Driller:	Sinpanyi	NA		Total Depth (ft):	2
					Driller's L	cense [.]	NA		Northing:	7099093.22
		Dunia et N	. 1755		Logged E		Christopher Mo	ore P.G.	Easting:	2475820.22
	PBW	Project N	0. 1755		Sampling		2"x 2' Barrel		Ground Elev. (ft AMSL	
epth ft)	Recovery (ft/ft)	Sample Interval	USCS		1			gic Descrip		
0 - 1	<u>e</u> 1.5/2.0	0-2	CL	(0 - 2.0) or foreig	SILTY CL/ gn material	Y, CL, da	rk brown, moist, no odor.	soft to firm,	medium plasticity, trace	roots, no stainin

					Completio		3/29/2012		Drilling Method		Hand Sampler
	Frisco	Recyclin	g Center	•	Drilling Co		NA		Borehole Diam		2.25
		Frisco, T	X		Driller:		NA		Total Depth (ft)		2
					Driller's Lic	cense:	NA		Northing:		7099222.60
		Project N	0 1755		Logged By		Christopher M	oore, P.G.	Easting:		2475950.23
	1 0 4 4 1	TOJECT N	0. 1700		Sampling		Hand Auger		Ground Elev. (f	t AMSL):	
pth ft)	Recovery (ft/ft)	Sample Interval	USCS				Litholc	gic Descrip	tion		
0 - 1 - 2 -	<u>~</u> 2.0/2.0	0-2	сL	(0 - 2.0) staining	SILTY CLA or foreign m	Y, CL, gra	ayish brown, mo oserved, no odo	iist, soft to fin r.	m, medium plast	icity, trac	e roots, no

					Complet	ion Date:	3/29/2012		Drilling Method:		Hand Sampler
			g Center			Company:	NA		Borehole Diamete	er (in.):	
		Frisco, T	X		Driller:	, en per j	NA		Total Depth (ft):		2
					Driller's	license:	NA		Northing:		7099109.89
		Project N	0 1755		Logged		Christopher Mod		Easting:		2475620.3
	FDVVI	rojectiv	0. 1755			g Method:	2"x 2' Barrel		Ground Elev. (ft A	MSL):	
epth (ft)	Recovery (ft/ft)	Sample Interval	USCS					ic Descripti			
0 - 1 - 2 -	<u>62</u> 1.4/2.0	0-2	eL	(0 - 2.0) roots, n	SILTY CL o staining	AY, CL, gra or foreign n	ayish brown, mois naterial observed	st, soft to firn , no odor.	n, medium plasticit	ty, trac	e sand, trace

Frisco Recycling Center Frisco, TX Drilling Company: Drillers License: NA Borehole Diameter (in.); 2.25 PBW Project No. 1755 Total Depth (ft): Logged By: Sampling Method: 2 Depth (ft) § § § § § § § 2020 Sample Interval Christopher Moore, P.G. Sampling Method: Easting: Ground Elev. (ft AMSL): 	Frisco.
Driller's License: NA Northing: 7099308.2 Depth (ft) Driller's License: Christopher Moore, P.G. Easting: 2475765.8 Depth (ft) Driller's License: Hand Auger Ground Elev. (ft AMSL):	
PBW Project No. 1755 Logged By: Christopher Moore, P.G. Easting: 2475765.8 Sampling Method: Hand Auger Ground Elev. (ft AMSL): Depth (ft) Sample (ft) Sample Interval USCS Lithologic Description 0 0 0 0.2 0.2 (0 - 2.0) SILTY CLAY, CL, grayish brown, moist, soft to firm, medium plasticity, trace roots, no staining or foreign material observed, no odor.	
Sampling Method: Hand Auger Ground Elev. (ft AMSL): Depth (ft) Sample Interval USCS Lithologic Description 0 <	PBW Project N
0 1 - 2.0/2.0 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-	
0 1 - 2.0/2.0 0-2 CL (0 - 2.0) SILTY CLAY, CL, grayish brown, moist, soft to firm, medium plasticity, trace roots, no staining or foreign material observed, no odor.	Depth (ft)
2	0

					Completion Date:	3/29/2012	Drilling Method:	Hand Sampler
	Frisco	Recyclin	ng Center	-	Drilling Company:	NA	Borehole Diameter (in.)	
		Frisco, 7	ГХ		Driller:	NA	Total Depth (ft):	2
	_				Driller's License:	NA	Northing:	7099174.55
					Logged By:	Christopher Moore, P.G.	Easting:	2475459.86
	PRAM P	Project N	lo. 1755		Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL)	
pth t)	Recovery (ft/ft)	Sample Interval	USCS			Lithologic Descri		
0	1.4/2.0	0-2	CL	staining	or foreign material o	ayish brown, moist, soft to f bserved, no odor.		
	P	BV	V	E	Notes: Borehole backfilled with cutting This Log of Boring should not t	is upon completion. se used seperately from the report to w	hich it is attached.	

								Drilling Method:	Hand Sampler
Frisco	Recyclin	g Center		Completion Drilling Con	npany:	3/29/2012 NA		Borehole Diameter (in	
	Frisco, 7	X		Driller:	ipariji	NA		Total Depth (ft):	2
	_			Driller's Lice	ense [.]	NA		Northing:	7099468.68
עמס	Drainat N	a 1755		Logged By:		Christopher Mo		Easting:	2475553.85
PBW	Project N	0. 1755		Sampling N		Hand Auger	010,1101	Ground Elev. (ft AMS	
tpth (ft))	Sample Interval	USCS		1			gic Descript		
1 - 2.0/2.0	0-2	CL	stanning			oserved, no odor			

					Completi	ion Date:	3/29/2012		Drilling Method:	Hand Sampler
	Frisco	Recyclin	ig Center	•		ompany:	NA		Borehole Diameter	
		Frisco, 1	ГХ		Driller:		NA		Total Depth (ft):	2
					Driller's L	icense:	NA		Northing:	7099228.98
	PBW F	Project N	lo. 1755		Logged E	Зу:	Christopher Mo		Easting:	2474750.45
					Sampling	g Method:	2"x 2' Barrel		Ground Elev. (ft AM	ISL):
epth ft)	Recovery (ft/ft)	Sample Interval	USCS				Litholog	gic Descript	ion	
0	1.6/2.0	0-2	CL	(0 - 2.0) limestor odor.	SILTY CL ne gravel, t	AY, CL, da race roots,	rk grayish brown some dark red o	, moist, soft t xidized stain	to firm, medium plas ing, no foreign mate	ticity, trace rial observed, no
									e.	

					Completio	n Date	3/29/2012	ſ	Drilling Method:	Hand Sampler
	Frisco	Recyclin	g Center	-	Drilling Co		NA		Borehole Diameter (in.)	
		Frisco, 1	ГХ		Driller:	mpany.	NA		Fotal Depth (ft):	2
					Driller's Li	cense:	NA		Northing:	7099466.86
		Project N	1755		Logged B		Christopher Moore,		Easting:	2474833.08
	FDVVI	-Tujeci N	0. 1755		Sampling		Hand Auger		Ground Elev. (ft AMSL)	
epth ft)	Recovery (ft/ft)	Sample Interval	USCS				Lithologic [1
0 1 2	2.0/2.0	0-2	CL	(0 - 2.0) staining	SILTY CLA or foreign n	Y, CL, gra	ayish brown, moist, s oserved, no odor.	soft to firm	, medium plasticity, tra	ice roots, no

Frisco Recycling Center Frisco, TX Diffing Company: Diffing Company: StrataCore Diffication Boreholes Diffication Total Depth (ft): 2 2 PBW Project No. 1755 Logged By: Logged By: Christopher Moore, P.G. Sampling Method: 2*x 4' Barrel Ground Elev. (ft AMSL): pth Boreholes Sample USCS Lithologic Description 0 0 0 0 0 1 2.0/2.0 0.2 0.2 0.2						Completion	Date:	1/4/2012	T	Drilling Method:	Geoprobe
Frisco, TX Drilling Gempary: Bataboro Driller: Mario Robles Total Depth (ft): 2 PBW Project No. 1755 Driller's License: 52694 Northing: 7102274.07 Logged By: Christopher Moore, P.G. Easting: 2480624.4 Sampling Method: 2"x 4" Barrel Ground Elev. (ft AMSL): PBW hore: Sample USCS Lithologic Description 0 (0 - 2.0) SILTY CLAY, CL, mottled black and brown, moist, soft to firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed, no odor.		Frisco	Recyclin	g Center	•						
PBW Project No. 1755 Driller's License: 52694 Northing: 7102274.07 Logged By: Christopher Moore, P.G. Easting: 2480624.4 Sampling Method: 2"x 4" Barrel Ground Elev. (ft AMSL): Pbth ft) Sample Interval USCS Lithologic Description 0 (0 - 2.0) SILTY CLAY, CL, mottled black and brown, moist, soft to firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed, no odor. 1 2.0/2.0 0-2 CL			Frisco, 1	ГX			ipany.				
PBW Project No. 1755 Logged By: Christopher Moore, P.G. Easting: 2480624.4 Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Pepth ft) Sample Sample USCS Lithologic Description 0 <td< td=""><td>_</td><td></td><td></td><td>_</td><td>_</td><td>the second se</td><td>onse[.]</td><td></td><td></td><td></td><td></td></td<>	_			_	_	the second se	onse [.]				
Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Lithologic Description Lithologic Description 0 (0 - 2.0) SILTY CLAY, CL, mottled black and brown, moist, soft to firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed, no odor. 1 2.0/2.0 0-2 CL			Project N	1755							
Apple Sample USCS Lithologic Description 0 (0 - 2.0) SILTY CLAY, CL, mottled black and brown, moist, soft to firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed, no odor. 1 2.0/2.0 0-2 CL		FDVVI	-TUJECT N	0. 1755							
0 1 - 2.0/2.0 0-2 CL (0 - 2.0) SILTY CLAY, CL, mottled black and brown, moist, soft to firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed, no odor.		(ft/ft)		USCS				Lithologie	c Descriptio	on	
		2.0/2.0	0-2	CL							

					Completion Date:	1/4/2012	Drilling Method:	Geoprobe
	Frisco	Recvclin	ng Center	•	Drilling Company:	StrataCore	Borehole Diameter (in.):	
	1 11000	Frisco, 1	ΓX		Driller:	Mario Robles	Total Depth (ft):	2
		,			the second se	52694		7102224.29
					Driller's License:		Northing:	2480672.30
	PBW F	Project N	lo. 1755		Logged By:	Christopher Moore, P.G.		
					Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
oth :)	Recovery (ft/ft)	Sample Interval	USCS			Lithologic Desci	ription	
2	2.0/2.0	0-2	GLICH	Carbona		l on surface, no staining ob		
					Notes:			

					Completio	on Date:	1/4/2012		rilling Method:	Geoprobe
	Frisco	Recyclin	g Center	•	Drilling Co		StrataCore		orehole Diameter (in.):	
		Frisco, 1			Driller:	ompany.	Mario Robles		otal Depth (ft):	2
				_	Driller's L	icense [.]	52694		lorthing:	7102173.2055
		Project N	0 1755		Logged B		Christopher Moore		asting:	2480638.61
	FDVV	-TOJECI N	0. 1755		Sampling		2"x 4' Barrel		Ground Elev. (ft AMSL)	:
epth (ft)	Recovery (ft/ft)	Sample Interval	uscs				**	Descriptio	n	
0	<u> </u>		11611					st, soft, med	ium plasticity, trace gra	avel, no staining
1 -	2.0/2.0	0-2	сглен	(0.5 - 2.	n material 0) CLAY, C ite nodules	L/CH. ver	v dark brown, moist	t, firm, medi or. 1.7: blac	um to high plasticity, s k plastic fragment (1" >	ome sand size (1", 1/8" thick).

					Completion Date:	1/4/2012	Drilling Method:	Geoprobe
	Frisco	Recyclin	g Center		Drilling Company:	StrataCore	Borehole Diameter (in	
		Frisco, 1	гх		Driller:	Mario Robles	Total Depth (ft):	2
	_				Driller's License:	52694	Northing:	7102165.32
		Project N	lo 1755		Logged By:	Christopher Moore,		2480739.17
	FDVV	TOJECUN	0. 1755		Sampling Method		Ground Elev. (ft AMS	SL):
epth ft)	Recovery (ft/ft)	Sample Interval	USCS			Lithologic D	Description	
0	<u> </u>			(0 - 0.7) plasticit	SILTY CLAY, CL, r	nottled very dark gravis	sh brown and brown, moist, so vel fill on surface, no staining o	oft-firm, medium
1 -	2.0/2.0	0-2	KKK	(0.7 - 2.	0) CLAY, CLCH, da		edium to high plasticity, trace s	

Frisco Recycling Center Frisco, TX Drilling Company: StrataCore Borehole Diameter (in.): 2.25 Driller: Mario Robles Total Depth (ft): 2 PBW Project No. 1755 Driller's License: 52694 Northing: 7102377.15 Logged By: Christopher Moore, P.G. Easting: 2479500.79 Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Depth Image: Strate Company: Lithologic Depth Image: Sample Interval USCS USCS 0 Image: Sample Interval (0 - 0.9) SILTY CLAY, CL, light yellowish brown, moist, firm, medium plasticity, some samsize carbonate nodules, no staining or foreign material observed, no odor. 1 2.0/2.0 0 0-2 CL 2 0 0-2 CL (0.9 - 2.0) SILTY CLAY, CL, grayish brown, moist, firm, medium plasticity, some samsize carbonate nodules, no staining or foreign material observed, no odor.						Completio	n Date:	1/4/2012	Drilling Method:	Geoprobe
PBW Project No. 1755 Driller's License: 52694 Northing: 7102377.15 Logged By: Christopher Moore, P.G. Easting: 2479500.79 Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Depth (ft) E E Sample USCS Lithologic 0 E E Sample USCS 0 0-9 1 2.0/2.0 0 0-2 0 0-2 0					r	Drilling Co	ompany:	StrataCore	Borehole Diameter (in.):	2.25
Depth (ft) Easting: 2479500.79 1 2.0/2.0 0 0-2 0 0 0-2 0 0 0-2 0 0 0 0-2 0			Frisco,	IX		Driller:		Mario Robles	Total Depth (ft):	2
Depth (ft) E E Sample Interval Sample Interval Ground Elev. (ft AMSL): 1 2.0/2.0 0 0-2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0 0.2 0.2 0.2						Driller's Li	cense:	52694	Northing:	7102377.15
Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Depth (ft) E E Sample Interval USCS Lithologic Description 0		PBW F	Project N	lo. 1755		Logged By	y:	Christopher Moore, P.G.	Easting:	2479500.79
0 0 0.2 (0 - 0.9) SILTY CLAY, CL, light yellowish brown, moist, firm, medium plasticity, some sar size carbonate nodules, no staining or foreign material observed, no odor. 1 2.0/2.0 0 0-2 0 0 0.9 0.9 SILTY CLAY, CL, light yellowish brown, moist, firm, medium plasticity, some san size carbonate nodules, no staining or foreign material observed, no odor. 1 - 2.0/2.0 0 0-2 0 0.9 SILTY CLAY, CL, grayish brown, moist, firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed, no odor.						Sampling	Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
1 2.0/2.0 0 0-2 0 0.9		Recoven (ft/ft)	(mqq) CII					Dese	cription	
carbonate nodules, no staining or foreign material observed, no odor.	0									
2	1 -	2.0/2.0	0	0-2	CL					some sand siz
	2 -				VIIIA					



Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664 Tel (512) 671-3434 Fax (512) 671-3446 Notes: Boring location hand probed to 3,0 feet to check for utilities. Borehole plugged with bentonite chips upon completion. This Log of Boring should not be used seperately from the report to which it is attached.

Frisco Recycling Center Frisco, TX Drilling Company. StrataCore Borehole Diameter (in.): 2.25 Driller: Mario Robles Total Depth (ft): 2 PBW Project No. 1755 Logged By: Christopher Moore, P.G. Easting: 2479613.26 Sampling Method: 2'x 4' Barrel Ground Elev. (ft AMSL): - pth §g G G Sample USCS 0 0 0 0 0 0 0 1 2.02.0 0 0.2 25 0 0	-					Completi	on Date:	1/4/2012		Drilling Method		Geoprobe
Frisco, TX Drilleg company Mario Robles Total Depth (ft): 2 PBW Project No. 1755 Driller's License: 52694 Northing: 7102343.16 Logged By: Christopher Moore, P.G. Easting: 2479613.26 Sampling Method: 2"x 4" Barrel Ground Elev. (ft AMSL): pth Differential Sample USCS Litthologic Differential O 0 0-2 0 0-2 0 1 2.0/2.0 0 0-2 0 0-2 0 1.9, no odor. 1.9: black plastic fragment (approximately 0.5 in x 1 in x 1/8 in thick)		Frisco I	Recyclir	ng Cente	r							
Driller's License: 52694 Northing: 7102343.16 PBW Project No. 1755 Logged By: Christopher Moore, P.G. Easting: 2479613.26 Sampling Method: 2"x 4" Barrel Ground Elev. (ft AMSL): pth Image: Sample Interval USCS Lithologic Description Image: Sample Interval USCS (0 - 2.0) SILTY CLAY, CL, mottled very dark gray and light yellowish brown, moist, firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed to 1.9, no odor. 1.9: black plastic fragment (approximately 0.5 in x 1 in x 1/8 in thick)		1	Frisco, ⁻	τx			ompany.					
PBW Project No. 1755 Logged By: Christopher Moore, P.G. Easting: 2479613.26 opth t) Image: Sample Interval Image: Sample Interval <t< td=""><td></td><td></td><td>_</td><td>_</td><td></td><td>the second se</td><td>icense:</td><td></td><td></td><td></td><td></td><td></td></t<>			_	_		the second se	icense:					
Image: Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Sampling Method: 2"x 4' Barrel Description Sampling Method: 0 0 0 0 Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Lithologic Description Description Description Sampling Method: 0 0 0 0 0 Sampling Method: 2"x 4' Barrel Ground Elev. (ft AMSL): Sampling Method: 0 0 0 0 0 Sampling Method: 0 0 0 0 0 0 Sampling Method: 0 0 0 0 0 0 0 Sampling Method: 0 0 0 0 0 0 0 0 Sampling Method: 0 0<			Project N	lo 1755					ore, P.G.			
 2.0/2.0 0 0<		FDVVI	roject i	NO. 1755							t AMSL):	
(0 - 2.0) SILTY CLAY, CL, mottled very dark gray and light yellowish brown, moist, firm, medium plasticity, some sand size carbonate nodules, no staining or foreign material observed to 1.9, no odor. 1.9: black plastic fragment (approximately 0.5 in x 1 in x 1/8 in thick)		(ft/ft)	(mqq)	Sample Interval	USCS							
)- 1		0	0-2	CL	medium p observed	plasticity, so	ome sand size ca	arbonate noo	lules, no stainin	g or forei	gn material
					<u></u>							

							1/4/2012		Drilling Method:	Geoprobe
	Frisco I	Recyclin	ig Cente	r	Completion Drilling Cor		StrataCore		Borehole Diameter (in.)	
		Frisco, 1			Driller:	npany.	Mario Robles		Total Depth (ft):	2
					Driller's Lic	ense [.]	52694		Northing:	7102238.79
			4755		Logged By		Christopher Moor		Easting:	2479660.34
	BRAN H	roject N	lo. 1755		Sampling N		2"x 4' Barrel	0,110	Ground Elev. (ft AMSL)	
oth)	Recovery (ft/ft)	(mqq) DIP	Sample Interval	USCS				Litho Descr		
1 1	2.0/2.0	0	0-2	CL	medium pla	sticity, so 1.9, no	ome sand size car	bonate nod	and light yellowish brov lules, no staining or fore gment (black and oxidiz	eign material

					Completion Date:	1/4/2012	Drilling Method:	Geoprobe
	Frisco I	Recyclin	ng Cente	Г	Drilling Company:	StrataCore	Borehole Diameter	
	I	Frisco, 1	ГХ		Driller:	Mario Robles	Total Depth (ft):	2
					Driller's License:	52694	Northing:	7102230.77
	PBW P	Project N	lo. 1755		Logged By:	Christopher Moore,		2479578.92
					Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AN	1SL):
epth ft)	Recovery (ft/ft)	(mqq) DID	Sample Interval	USCS			Lithologic Description	
0 - 1 - 2 -	2.0/2.0	0	0-2	eL	medium plasticity, s observed to 1.9, no	ome sand size carbo	dark gray and light yellowish l onate nodules, no staining or 7-1.9: gravel, 1.9: gravel size Is)	foreign material

					Completion Date:	1/4/2012	Drilling Method:	Geoprobe
			g Cente	r	Drilling Company:	StrataCore	Borehole Diameter (in.):	2.25
	i	Frisco, 1	ГХ		Driller:	Mario Robles	Total Depth (ft):	2
					Driller's License:	52694	Northing:	7102282.36
	PBW P	Project N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2479515.5369
		. oje et i			Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
Donth	b o	20	Sampla			1 :44	nologic	
(ft)	Recovery (ft/ft)	(mqq)	Sample Interval	USCS		Des	cription	omo cond sizo
Depth (ft) 0 - 1 -	Coco (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	Uld Old		USCS	(0 - 2.0) SILTY CLA carbonate nodules		cription t, firm, medium plasticity, s	some sand size pr.
(ft)			Interval		(0 - 2.0) SILTY CLA carbonate nodules	Des	cription t, firm, medium plasticity, s	some sand size or.
(ft) 0 1 —			Interval		(0 - 2.0) SILTY CLA carbonate nodules	Des	cription t, firm, medium plasticity, s	some sand size or.
(ft) 0 1			Interval		(0 - 2.0) SILTY CL/ carbonate nodules	Des	cription t, firm, medium plasticity, s	some sand size or.



 Pastor, Behling & Wheeler, LLC
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Notes: Boring location hand probed to 3.0 faet to check for utilities. Borehole plugged with bentonite chips upon completion. This Log of Boring should not be used seperately from the report to which it is attached.

_					Completion [Data:	1/6/2012	Drilling Method:	Geoprobe
	Frisco I	Recyclir	ng Cente	r	Drilling Com		StrataCore	Borehole Diameter (in.):	
		Frisco,			Driller:	ipany.	Mario Robles	Total Depth (ft):	4
		_			Driller's Lice	nse:	52694	Northing:	7101785.23
		roject N	lo. 1755		Logged By:		Christopher Moore, P.G.	Easting:	2479393.50
	1 DWT	i ojecit i	10. 1100		Sampling Me	ethod:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
Depth (ft) 0 1 -	Recovery (ft/ft)	Hd lioS 6.5	Sample Interval	USCS	(0 - 1.6) SILT observed, no	TY CLAY odor. (ologic cription , soft, medium plasticity, n 1.3: angular gravel fragme	o staining ent.
2	3.5/4.0	6.82		CL	(1.6 - 4.0) SII lenses, trace	LTY CL sand s	AY, CL, very dark gray, mo ize carbonate nodules, no f	ist, firm medium plasticity, oreign material observed,	some oxidized no odor.
4 -									



Notes: Boring location hand probed to 4.0 feet to check for utilities. Borehole plugged with bentonite chips upon completion. This Log of Boring should not be used seperately from the report to which it is attached.

					Completion Date:	1/6/2012	Drilling Method:	Geoprobe
			ng Cente	r	Drilling Company:	StrataCore	Borehole Diameter (in.):	2.25
		Frisco,	TX		Driller:	Mario Robles	Total Depth (ft):	4
					Driller's License:	52694	Northing:	7101782.80
	PBW P	roiect N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2479434.31
		. ejeet .			Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
Depth (ft)	Recovery (ft/ft)	Soil pH	Sample Interval	USCS		Des	nologic cription	to firm modily
0 - 1 -		6.38	0-2		(0 - 2.1) SILTY CLA plasticity, trace angu observed, no odor	Y, CL, yellowish brown and ular carbonate gravel (possi	very dark gray, moist, son ble fill or reworked materia	to firm, mediu II), no staining
2 -	4.0/4.0	6.32		CL	(2.1 - 4.0) SILTY CL lenses, trace sand s	AY, CL, very dark gray, mo size carbonate nodules, no t	ist, firm medium plasticity, foreign material observed,	some oxidized no odor.



Notes: Boring location hand probed to 4.5 feet to check for utilities. Borehole plugged with bentonite chips upon completion. This Log of Boring should not be used seperately from the report to which it is attached.

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						etion Date:	1/6/2012		Drilling Method:	Geoprobe
	Frisco I	Recyclin	g Cente	r		Company:	StrataCore		Borehole Diameter (in.	
	I	Frisco, T	X		Driller:		Mario Robles		Total Depth (ft):	2.5
						s License:	52694		Northing:	7101962.48
	PRW P	roject N	0 1755		Logge		Christopher Mod		Easting:	2480181.93
	1.2001	lojootin	0. 1700			ing Method:	2"x 4' Barrel		Ground Elev. (ft AMSL	
epth (ft)	Recovery (ft/ft)	(mqq)	Soil pH	Sample Interval	uscs			Desci	ologic ription	
0 1 —					CON o	(1.0 - 2.5) (ONCRETE, cored	aterial, angu	ular limestone gravel, n	o staining or
2 -	1.0/1.0	0	7.10	1.5-2.5	Ğ₽.°	foreign ma	terial observed, n	o odor.		
	P. stor, Behli	BW		E	-	gged with bentonil	2.0 feet to check for utilit e chips upon completion		ched.	

	Exi	de Te	chnol	ogies		I	.og of Boring	g: 2012-RMS	A-2
					Comple	tion Date:	1/6/2012	Drilling Method:	Geoprobe
		Recyclin		r	Drilling Company:		StrataCore	Borehole Diameter (in.):	2.25
		Frisco, T	-X		Driller:		Mario Robles	Total Depth (ft):	2.5
				_	Driller's	License:	52694	Northing:	7101817.28
	PBW Project No. 1755						Christopher Moore, P.G.	Easting:	2480247.42
		ioject i	0. 1700		Sampli	ng Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
Depth (ft)	Recovery (ft/ft)	PID (mpm)	Soil pH	Sample Interval	USCS		Des	nologic cription	
0					CON	(0 - 0.5) CO	DNCRETE, drilled out.		
1 –			1		сглен	staining or	CLAY, CL/CH, dark gray, m foreign material observed,	no odor.	
2 -	2.0/2.0 0.4 10.76 0.5-2.5 2 - CL					(1.4 - 2.5) (or foreign r	CLAY, CL, black, moist to w naterial observed, no odor.	vet, very soft, medium plas	ticity, no staining



Notes: Boring location hand probed to 4.0 feet to check for utilities.

Borehole plugged with bentonite chips upon completion and concrete patched.

Water entering the borehole from base of concrete upon removal of sampler. Water sample collected from base of boring. This Log of Boring should not be used seperately from the report to which it is attached.

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					Compl	etion Date:	1/6/2012	Drilling Method:	Geoprobe
		Recyclin		er		Company:	StrataCore	Borehole Diameter (in.):	2.25
	I	Frisco, 7	X		Driller:		Mario Robles	Total Depth (ft):	3
					Driller's	s License:	52694	Northing:	7101783.35
	PBW P	roject N	o. 1755		Logge	d By:	Christopher Moore, P.G.	Easting:	2480191.27
					Sampl	ing Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
Depth (ft)	Recovery (ft/ft)	(mqq) DIA	Soil pH	Sample Interval	USCS			ologic cription	
0					CON	(0 - 1.0) CC	DNCRETE, drilled out.		
	2.0/2.0	0.2	6.83	1-3	сглен		CLAY, CL/CH, mottled very to staining or foreign materia		

PBW

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Notes: Boring location hand probed to 4.0 feet to check for utilities. Borehole plugged with bentonite chips upon completion and concrete patched. This Log of Boring should not be used seperately from the report to which it is attached.

					Compl	etion Date:	1/6/2012	Drilling Method:	Geoprobe
		Recyclin		er	Drilling	Company:	StrataCore	Borehole Diameter (in.):	2.25
		Frisco, 1	Х		Driller:		Mario Robles	Total Depth (ft):	3.5
					Driller's License:		52694	Northing:	7101861.10
	PBW Project No. 1755					d By:	Christopher Moore, P.G.	Easting:	2480122.65
						ing Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
Depth (ft) 0	Recovery (ft/ft)	(mqq) DIA	Soil pH	Sample Interval	USCS	(0 - 1.5) CC		nologic cription ed out.	
1 - 2 - 3 -	2.0/2.0	0.5	6.95	1.5-3.5	CLICH	wet, soft to (1.8 - 3.5)	SILTY CLAY, CL, with sand firm, low plasticity, no stain CLAY, CL/CH, very dark gra anic fragments (native), no s	ing observed, no odor. ly, moist, soft, medium pla	sticity, trace



Notes:

Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664 Tel (512) 671-3434 Fax (512) 671-3446 Boring location hand probed to 4.0 feet to check for utilities. Borehole plugged with bentonite chips upon completion and concrete patched. Water entering the borehole from base of concrete upon removal of sampler. Water sample collected from base of boring. This Log of Boring should not be used seperately from the report to which it is attached.

					Completion Date:	1/4/2012	Drilling Method:	Geoprobe
			g Center	·	Drilling Company:		Borehole Diameter (in.	and the second se
		Frisco, T	X		Driller:	Mario Robles	Total Depth (ft):	4
_			_		Driller's License:	52694	Northing:	7101558.98
	PRW	Project N	o 1755		Logged By:	Christopher Moore, P.G	. Easting:	2480088.96
					Sampling Method	: 2"x 4' Barrel	Ground Elev. (ft AMSL	_):
epth ft)	Recovery (ft/ft)	Sample Interval	USCS			Lithologic Desc	cription	
0 - 1		0-2		(0 - 3.0) carbona	SILTY CLAY, CL, I ate nodules, no stair	ight olive brown, moist, sof ing or foreign material obs	t, medium plasticity, trace s erved, no odor.	and size
2	4.0/4.0	2-4	GE	(3.0 - 4. staining	0) SILTY CLAY, CL in fractures, no for	, grayish brown, moist, sof eign material observed, no	t to firm, medium plasticity, odor.	fractured, orang
		BV				4 to 4.0 feet to check for utilities. onite chips upon completion,		

					Completion Date:	1/4/2012	Drilling Method:	Geoprobe
	Frisco	Recyclin	ng Center		Drilling Company:	StrataCore	Borehole Diameter (in.):	
		Frisco,	ГХ		Driller:	Mario Robles	Total Depth (ft):	4
				_	Driller's License:	52694	Northing:	7101557.95
	PBW F	Proiect N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2480184.84
		,			Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	:
pth t)	Recovery (ft/ft)	Sample Interval				Lithologic Descri	ption	
0	<u> </u>			(0 - 4.0)	SILTY CLAY, CL, da	rk grayish brown, moist, so	ft to firm, medium plasticity	y, trace sand siz
1				carbona	te nodules, no stainii	ng or foreign material obser	vea, no odor.	
1 -		0-2						
2 –	4.0/4.0		CL					
-								
3 —		2-4						
-								
4 -			VIIIA					

				ompletion Date:	1/4/2012	Drilling Method:	Geoprobe
		g Center		rilling Company:	StrataCore	Borehole Diameter (in.):	
	Frisco, T	X		riller:	Mario Robles	Total Depth (ft):	4
			the second se	riller's License:	52694	Northing:	7101552.75
PBW F	Project N	o. 1755	Lo	ogged By:	Christopher Moore, P.G.	Easting:	2480291.52
			Sa	ampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
t) (ft/ft)	Sample Interval	USCS			Lithologic Descrip	otion	
2 - 4.0/4.0 3 -	0-2	CL	(0 - 4.0) SIL nodules, no	TY CLAY, CL, ve staining or foreig	ry dark gray, moist, soft, me n material observed, no odc	dium plasticity, trace sand r.	d size carbona

					Completio	on Date:	1/4/2012		Drilling Method:	Geoprobe
			ig Cente	r	Drilling Co		StrataCore		Borehole Diameter (
		Frisco,	ГХ		Driller:	pointy.	Mario Robles		Total Depth (ft):	4
					Driller's Li	icense:	52694		Northing:	7101174.44
	PBW F	Proiect N	lo. 1755		Logged B		Christopher Moor		Easting:	2479970.62
					Sampling		2"x 4' Barrel		Ground Elev. (ft AM	SL):
epth (ft)	Recovery (ft/ft)	Sample Interval	USCS				Lithologic	c Descripti	on	
0									t, low to medium pla	sticity, some roots
-			··········	<u>no stai</u> (0.3 - 4	ning or foreig .0) SILT. ML	n materia ., verv pale	l observed, no odo e brown, weathered	or. d limestone	, dry to moist, very s	soft, non-plastic.
1 -		0-2	<u> </u>	some li	mestone fra	gments, n	o staining or foreig	n material	observed, no odor.	,
=			····							
2 -	4.0/4.0		·							
_										
		_								
3 —		2-4								
=										
4 -										
	P	BV			-		1.5 feet to check for utilitie a chips upon completion.	s.		

					Completi	ion Date:	1/4/2012	Drilling Method:	Geoprobe
			ig Center	·	Drilling C	company:	StrataCore	Borehole Diameter (in.):	2.25
		Frisco, ⊺	ΓX		Driller:		Mario Robles	Total Depth (ft):	2.9
_			_		Driller's L	icense:	52694	Northing:	7101170.31
	PRW P	Project N	lo. 1755		Logged I	By:	Christopher Moore, P.G.	Easting:	2480098.36
	1 0111	rojoorn	0. 1100		Sampling	g Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
0	Recovery (ft/ft)		········			brown, mo stone fragn	ist, soft, low plasticity, no si nents.	aining or foreign material	observed, no
1	2.9/2.9	0-2) SILT, M nestone fra	L, very pale agments, n	e brown, weathered limesto o staining or foreign materia	ne, dry to moist, very soft, al observed, no odor.	non-plastic,
2		2-2.9	·······						



Notes: Boring lacation hand probed to 1.5 feet to check for utilities. Borehole plugged with bentonite chips upon completion. Refusal at 2.9 This Log of Boring should not be used seperately from the report to which it is attached.

					Completion Date:	1/10/2012	Drilling Method:	Geoprobe
	Frisco	Recyclin	ng Cente	r	Drilling Company:	StrataCore	Borehole Diameter (in.):	
		Frisco,	TX		Driller:	Mario Robles	Total Depth (ft):	5.5
-		_			Driller's License:	52694	Northing:	7102343.75
	PBW F	Proiect N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2479384.49
_					Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
th	Recovery (ft/ft)	(mqq)	Sample Interval	uscs			ologic cription	
		0	0-2		(0 - 5.5) CLAY, CH, odor. 2.0-2.5: with I	dark gray, moist, firm, medi olack, gravel size slag fragm	um plasticity, fill, with ang ents.	ular gravel, no
	4.0/4.0	0.1	2-4	СН				
-	0/1.5							

					Completion Date:	1/10/2012	Drilling Method:	Geoprobe
			ng Cente	r	Drilling Company:	StrataCore	Borehole Diameter (in.):	
	I	Frisco,	ТХ		Driller:	Mario Robles	Total Depth (ft):	8
-					Driller's License:	52694	Northing:	7102486.2
	PBW F	roject N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2479520.54
					Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
epth ft)	Recovery (ft/ft)	UIA (mdd)	Sample Interval	USCS			hologic scription	
0	<u> </u>				(0 - 1.2) CLAY, CH, material observed, r	dark gray, moist, soft, med o odor.	ium plasticity, no staining c	or foreign
1 -	-	0	0-2		(1.2 - 8.0) CLAY, CH	I, light grayish brown and li	ight gray, moist, soft to firm no staining or foreign mater	, medium
2 -	4.0/4.0				odor. 7.5: Wet, silty.		to staming of foreign mater	101 00301 400, 110
3 -	-	0						
4 -		0	_	СН				
5 -	-							
6 -	4.0/4.0	0	5-7					
7 -		0						
8 -								
 Pa	P astor, Behl	BV				e chips upon completion.	t and water sample collected from bas	e of boring.

	F -ieee	Deevelir	a Conto		Completion Date:	1/10/2012	Drilling Method:	Geoprobe
		Recyclir Frisco,	ng Cente	Γ	Drilling Company:	StrataCore	Borehole Diameter (in.):	
		11000,			Driller:	Mario Robles	Total Depth (ft):	12
					Driller's License:	52694	Northing:	7102514.89 2479697.92
	PBW F	Project N	lo. 1755		Logged By: Sampling Method:	Christopher Moore, P.G. 2"x 4' Barrel	Easting: Ground Elev. (ft AMSL):	
epth (ft)	Recovery (ft/ft)	(mqq)	Sample Interval	USCS		Lith Des	nologic cription	
0					(0 - 3.5) CLAY, CH, material observed, r	dark gray, moist, soft to firm no odor.	n, medium plasticity, no sta	aining or foreigr
1 -		0	0-2					
2 -	4.0/4.0							
3 -		0.1			(3.5 - 9.0) CLAY CL	I, light grayish brown and lig	aht grav moist firm medi	um plasticity.
4 -	-				some sand size carl	oonate nodules, no staining	or foreign material observ	red, no odor.
5 -	-	0						
6 – 7 –	4.0/4.0	0.1		CH.				
8 -	-							
9 -	-	0.1	8-10		(9.0 - 12.0) CLAY, C staining along lamir sand laminae, wet.	CH, light gray, moist, firm to ations, fractured, no foreigr	hard, high plasticity, lamir n material observed, no od	nated, orange or. 10.3-10.8:
10 -	3.5/4.0				Sand laminac, wet.			
11 -	-	0.1						
12 -								
	P stor, Behl		heeler, LL					ase of boring.

					Completion Date:	1/10/2012	Drilling Method:	Geoprobe
	Frisco I	Recyclir	ng Cente	r	Drilling Company:	StrataCore	Borehole Diameter (in.):	2.25
	I	Frisco,	ТΧ		Driller:	Mario Robles	Total Depth (ft):	8
_	_	_			Driller's License:	52694	Northing:	7102385.51
	PBW P	roiect N	lo. 1755		Logged By:	Christopher Moore, P.G	. Easting:	2480118.633
		· - , · ·			Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL)	
pth t)	Recovery (ft/ft)	(mqq) CII	Sample Interval	USCS			ithologic escription	
0				11111	(0 - 8.0) CLAY, CH,	dark gray, moist, soft to f	rm, medium plasticity, trace	sand size
- 1 -		0	0-2			no odor. 2.0-2.5: black, g ple saturated, borehole fil	ravel size slag fragments. 4 ling with water.	1.0-5.0 some
2 –	2.7/4.0							
3 -	-	0.1	2-4					
4 -				(ch)				
5 -	-	0						
-								
~				(1111)				
6 -	3.5/4.0	-		()))))				
2	-			(()))				
7 -	-	0.1		(111)				
			0					
8 -				(1111)				
	P Istor, Behl	BV		6		te chips upon completion.	ter sample collected from base of boring	

						1/10/2012	Drilling Mothed	Geoprobe
	Frisco	Recyclin	ng Cente	r	Completion Date:	1/10/2012	Drilling Method:	
		Frisco,		•	Drilling Company:	StrataCore	Borehole Diameter (in.):	
					Driller:	Mario Robles	Total Depth (ft):	18 7102389.57
					Driller's License:	52694 Christopher Moore, P.G	Northing: G. Easting:	2480411.84
	PBW P	roject N	lo. 1755		Logged By: Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL)	
Depth (ft)	Recovery (ft/ft)	(udd) Cld	Sample Interval	USCS	Company Method.		Lithologic Description	
0	Ř			11111	(0 - 4.0) CLAY, CH,	dark gray, moist, soft, me	edium plasticity, some sand s	size carbonate
°				11111	nodules, no odor. 3.	0-4.0: glass fragments, o	luct tape, black gravel size sl	ag fragments
1 -		0	0-2	AIIII	with metallic odor.			
-				AIIII.				
2 -	2.6/4.0			11111				
2	1			11111				
3 -	-	0.1	2-4	AIIII.				
-	1							
4 -				11111			, medium to high plasticity, s	ome sand size
-	1			AHHH,		no staining or foreign ma		
5 -	1	0.1		AIIII)				
	-			(IIII)				
6 -	4.0/4.0			(IIII)				
,	-			AHHH.				
7 -	-	0.1		AIIII				18
	-			(1111)				
8 -			-	(IIII)				
				11111				
9 -	-	0.1		CH				
	-			11111				
10 -	4.0/4.0		-	11111				
	-			<u>UIIII</u>				
11 -		0.1		(IIII)	(110 133) CLAV	CH gray moist firm to	hard, high plasticity, laminate	d vellowish
	-				brown/orange stain	ing in laminae, no foreigr	n material observed, no odor.	, jenomon
12 -			-	11111				
	-			UIII				
13 -		0.1		11111				
-				11111	(13.3 - 18.0) CLAY/	SHALE, dark gray, moist	t firm to hard, high plasticity,	laminated,
14 =	4.0/4.0		4	(1111)	fractured, yellowish	brown/orange staining in	n fractures, no odor.	
•••	-			(IIII)				
15 -		0.1		AHHI.				
-	-			AIIII				
16 -				AIIII,				
	-							
17 -	2.0/2.0		16-18	(1111)				
	-			(1111)				
18 -			_	11111	1			
P a 22	P astor, Behl 01 Double	BV ing & W Creek Dr	heeler, LI	.C 04				

			ng Cente	r	Completion Date: Drilling Company:	1/10/2012 StrataCore	Drilling Method: Borehole Diameter (in.):	Geoprobe 2.25
	I	Frisco,	ТΧ		Driller:	Mario Robles	Total Depth (ft):	19
		_			Driller's License:	52694	Northing:	7102442.92
	PBW P	roject N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2480662.06
					Sampling Method:	2"x 4' Barrel	Ground Elev. (ft AMSL):	
pth t)	Recovery (ft/ft)	(mqq) CII	Sample Interval	USCS		Des	hologic scription	
0 - 1 -		0	0-2		(0 - 4.5) CLAY, CH, fill material, some ar	dark gray and very dark gra ngular gravel, 0.5-0.7 angul	ay, moist, firm, medium pla ar black plastic fragments,	no odor.
2 –	3.0/4.0							
3 –		0						
J		U						
4 -		_						
5 –	-	0			plasticity, trace sand	CH, brownish yellow, moist, d size carbonate nodules, n	o staining or foreign mater	ial observed, no
				()))))	odor. 10.0-14.8: mo dry.	ttled light gray, increased c	arbonate nodules. 12.2-12	2.4: sand lens,
6 –	4.0/4.0				ciy.			
-		0.4		/////				
7 –	1	0.1	d in the second s					
8 -								
9 -		0.1		СН				
0 -	4.0/4.0		-					
1 -		0.1						
	-							
2 -			_	AIIII				
	-							
3 -		0.1		AIIII				
4 -	3.6/4.0		-	(IIII)				
5	1				(14.8 - 10 0) CLAV	CH, dark gray, moist, firm	to hard high plasticity lar	inated fracture
5 -		0.1			yellowish brown/ora	ange staining in fractures, n	o staining or foreign mater	ial observed, no
6 -		0.1		Ullli	odor.			
	_			(1111)	4			
7 -	-							
	3.0/3.0							
8 -	-	0.1	17-19					
	-			alle				
9 -	J			11111	1			
	P stor, Behl		heeler, LI	.c				

					Completion Date:	2/22/2012	Drilling Method:	Hand Sampler
	Frisco I	Recyclir	ng Cente	г	Drilling Company:	NA	Borehole Diameter (in.):	2.25
		Frisco,			Driller:	NA	Total Depth (ft):	4
					Driller's License:	NA	Northing:	7102395.75
	PBW F	Project N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2480119.01
-					Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL):	
epth ft)	Recovery (ft/ft)	(mqq) UIA	Sample Interval	USCS			nologic cription	
0					(0 - 4.0) CLAY, CH, material observed, r	dark gray, moist, soft to firm no odor. Borehole filling with	n, medium plasticity, no sta n water at approximately 3	aining or foreign feet.
1 =		0						
2 -	-			СН				
3 -	1.2/2.0	0	2-4					
4 =				UUUV				
	P	BV	V		Notes: Borehole plugged with bentonit This Log of Boring should not b	e chips upon completion. Je used seperately from the report to wh	ich it is attached.	

Frisco Recycling Center Frisco, TX Drilling Company: Driller: NA Borchole Diameter (n.): 2.25 PBW Project No. 1755 Driller's License: Logged By: Christopher Moore, P.G. Sampling Method: 2"x 2" Barrel Ground Elev. (ft AMSL): - epth Solution Company: Breaching NA Total Depth (ft): 1 0 Company: Christopher Moore, P.G. Easting: 2480686.14 0 Company: Christopher Moore, P.G. Easting: Company: Christopher Moore, P.G. 0 Company: Christopher Moore, P.G. Easting: Company: Company: Company: Christopher Moore, P.G. 0 Company: Company: Christopher Moore, P.G. Easting: Company: Company: Company: Company: Company: Company: Company: Comp						Completion Date:	2/22/2012	Drilling Method:	Hand Sampler
Frisco, TX Drilleg company NA Total Depth (ft): 1 Driller: NA Total Depth (ft): 1 Driller's License: NA Northing: 7102459.95 Degged By: Christopher Moore, P.G. Easting: 2480666.14 Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): epth Image company Image company Image company Image company 0 0.5/1.0 0 NA CH (0 - 1.0) CLAY, CH, dark grayish brown, moist, soft to firm, medium plasticity. Slag fragment at approximately 0.5 feet blocked sample barrel.		Frisco I	Recyclin	ng Center	·				
PBW Project No. 1755 Driller's License: NA Northing: 7102459.95 Logged By: Christopher Moore, P.G. Easting: 2480666.14 Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): epth (ft) \widehat{O} \widehat{O} NA CH (0 - 1.0) CLAY, CH, dark grayish brown, moist, soft to firm, medium plasticity. Slag fragment at approximately 0.5 feet blocked sample barrel.			Frisco, 7	ГΧ					
PBW Project No. 1755 Logged By: Christopher Moore, P.G. Easting: 2480666.14 Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): epth (ft) \widehat{O} \widehat{O} \widehat{O} NA CH Christopher Moore, P.G. Easting: 2480666.14 0 0.5/1.0 0 NA CH Christopher Moore, P.G. Easting: 2480666.14	_			_					
Pow Project No. 1700 Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): epth (ft) $\bigcirc \\ \bigcirc \\ \bigcirc$			Project N	lo 1755					
epth (ft) Image: Comparison of the system Sample Interval USCS Lithologic Description 0 <td< td=""><td></td><td>FDVVP</td><td>i ojeci N</td><td>0. 1700</td><td></td><td></td><td></td><td></td><td></td></td<>		FDVVP	i ojeci N	0. 1700					
0 - 0.5/1.0 0 NA CH (0 - 1.0) CLAY, CH, dark grayish brown, moist, soft to firm, medium plasticity. Slag fragment at approximately 0.5 feet blocked sample barrel.	epth (ft)	tecovery (ft/ft)	DID (mdd)	Sample Interval	USCS	•	Lith		
	0		0	NA	СН	(0 - 1.0) CLAY, CH, fragment at approxi	dark grayish brown, moist, s mately 0.5 feet blocked sam	soft to firm, medium plasti ple barrel.	city. Slag
Notes:									

					Completion Date:	2/22/2012	Drilling Method:	Hand Sampler
	Frisco F	Recyclin	ng Cente	r	Drilling Company:	NA	Borehole Diameter (i	
	l	Frisco,	ГХ		Driller:	NA	Total Depth (ft):	2
-				_	Driller's License:	NA	Northing:	7102503.41
		roject N	lo. 1755		Logged By:	Christopher Moore, I		2480665.79
	FDVVF	TOJECT P	0. 1755		Sampling Method		Ground Elev. (ft AMS	
epth (ft)	Recovery (ft/ft)	(mqq) Cliq	Sample Interval	USCS			Lithologic Description	
0 - 1 - 2 -	1.2/2.0	O	0-2	GF	(0 - 2.0) CLAY, CH or foreign material	l, dark grayish brown, m observed, no odor.	noist, soft to firm, medium pla	sticity, no staining

					Completion Date:	1/18/2012	Drilling Method:	Hand Sampler
	Frisco I	Recyclin	ig Cente	r	Drilling Company:	NA	Borehole Diameter (i	n.): 2.25
		Frisco,	IX		Driller:	NA	Total Depth (ft):	2
_					Driller's License:	NA	Northing:	7102016.84
	PBW P	roject N	lo. 1755		Logged By:	Christopher Moore, P		2479679.40
					Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMS	SL):
epth (ft)	Recovery (ft/ft)	(mqq)	Sample Interval	USCS			Lithologic Description	
0 - 1 - 2 -	0.6/2.0	0	0-2	GH	(0 - 2.0) CLAY, CH, staining or foreign n	very dark brown, moist naterial observed, no oc	, firm, medium plasticity, tra dor.	ce roots, no

	Frisco I	Recyclir	ig Cente	r	Completion Date: Drilling Company:	1/19/2012 NA	Drilling Method: Borehole Diameter (in.):	Hand Sampler 2.25
		Frisco,	ΓX		Driller:	NA	Total Depth (ft):	2
					Driller's License:	NA	Northing:	7101912.01
	PBW P	roiect N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2479827.17
					Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL)	
epth ft)	Recovery (ft/ft)	(mqq)	Sample Interval	USCS		Des	hologic scription	
0 - 1 - 2 -	1.3/2.0	0	0-2	GH	(0 - 2.0) CLAY, CH, crystalline material	very dark brown, moist, firn deposited in cracks to appro	n, medium plasticity, some oximately 1 foot, no odor.	e sand, white

	Frisco	Recvclir	ng Cente	r	Completion Date:	1/19/2012	Drilling Method:	Hand Sampler
		Frisco,	TX	•	Drilling Company: Driller:	NA NA	Borehole Diameter (in.)	2
_					Driller's License:	NA	Total Depth (ft): Northing:	7101904.02
		Project N	lo. 1755		Logged By:	Christopher Moore, P.G		2479836.71
	FBWF	TOJECTI	0. 1755		Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL)	
epth (ft)	Recovery (ft/ft)	(mqq) UI	Sample Interval	USCS		L	ithologic escription	
0	1.0/2.0	0.1	0-2	GH	(0 - 2.0) CLAY, CH, staining or foreign m	very dark brown, moist, s naterial observed, no odo	soft to firm, medium plasticity r.	/, some sand, no

					Completion Date:	1/19/2012	Drilling Method:	Hand Sampler
	Frisco	Recyclir	ng Cente	r	Drilling Company:	NA	Borehole Diameter (in.)	
		Frisco, 1	ГХ		Driller:	NA	Total Depth (ft):	2
					Driller's License:	NA	Northing:	7101885.93
		Project N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2479858.70
	FDVVF	TOJECT N	0. 1755		Sampling Method:		Ground Elev. (ft AMSL)	
epth ft)	Recovery (ft/ft)	(mqq) CIId	Sample Interval	USCS		Liti	hologic scription	
0 - 1 - 2 -	1.0/2.0	0.1	0-2	GH	(0 - 2.0) CLAY, CH sand, no staining c	, very dark brown, moist to w r foreign material observed,	vet, soft to firm, medium pl no odor.	asticity, some

					Completion Date:	1/19/2012	Drilling Method:	Hand Sampler
	Frisco I	Recyclin	g Cente	r	Drilling Company:	NA	Borehole Diameter (in.)	: 2.25
		Frisco, 7	T X		Driller:	NA	Total Depth (ft):	2
					Driller's License:	NA	Northing:	7101863.34
	PBW P	roject N	lo. 1755		Logged By:	Christopher Moore, P.G		2479891.18
					Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL)	:
pth t)	Recovery (ft/ft)	(mqq)	Sample Interval	USCS			ithologic escription	
0 1 - 2 -	1.1/2.0	0	0-2	GH	(0 - 2.0) CLAY, CH, white crystalline ma below surface, no o	terial present on surface,	oft to firm, medium plasticity no staining or foreign mater	r, some sand, ial observed

					Completion Date:	1/19/2012	Drilling Method:	Hand Sampler
	Frisco I	Recyclin	ng Cente	r	Drilling Company:	NA	Borehole Diameter (in.)	
		Frisco, 1	ΓX		Driller:	NA	Total Depth (ft):	2
					Driller's License:	NA	Northing:	7101823.97
		Project N	lo. 1755		Logged By:	Christopher Moore, P.C		2479944.65
	I DVV I	TOJECI N	0. 1700		Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL)	
pth ft)	Recovery (ft/ft)	DIG (mdd)	Sample Interval	USCS			Lithologic Description	
0	0.9/2.0	0.1	0-2	GH	(0 - 2.0) CLAY, CH, sand, white crystallin observed below surf	ne material present on su	o wet, soft to firm, medium pl urface, no staining or foreign	asticity, some material

					Completion Date:	1/19/2012	Drilling Method:	Hand Sampler
			ng Cente	r	Drilling Company:	NA	Borehole Diameter (in.):	
		Frisco,	ГХ		Driller:	NA	Total Depth (ft):	2
					Driller's License:	NA	Northing:	7101804.83
	PBW F	Project N	lo. 1755		Logged By:	Christopher Moore, P.G.	Easting:	2479965.58
		lojooti			Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL):	
epth ft)	Recovery (ft/ft)	(mqq) UIA	Sample Interval	USCS		Liti Des	hologic scription	
0 1 —	1.3/2.0	0	0-2	GH	(0 - 2.0) CLAY, CH, sand, white crystallin observed below surf	very dark brown, moist to w ne material present on surfa face, no odor.	vet, soft to firm, medium place, no staining or foreign	asticity, some material

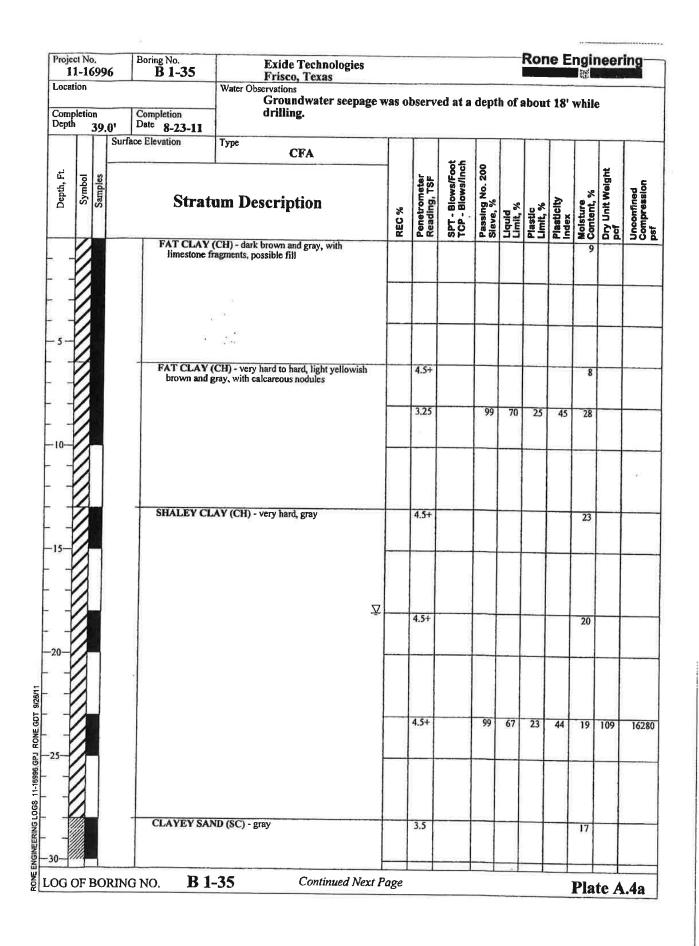
Frisco Recycling Center Frisco, TX Drilling Company: NA Borehole Diameter (in.): 2.25 Driller: NA Total Depth (ft): 2 PBW Project No. 1755 Driller's License: NA Northing: 7101745.75 Logged By: Christopher Moore, P.G. Easting: 2480046.41 Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): th Sample Interval USCS Lithologic Description							Complet	ion Date:	1/18/2012		Drilling Meth	od:	Hand Sam
Frisco, TX Driller: NA Total Depth (ft): 2 PBW Project No. 1755 Driller's License: NA Northing: 7101745.75 Logged By: Christopher Moore, P.G. Easting: 2480046.41 Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): th Image: Sample interval USCS USCS (0 - 2.0) CLAY, CH, very dark brown, moist to wet, very soft, medium plasticity, no staining or foreign material observed, no odor. (0 - 2.0) CLAY, CH, very dark brown, moist to wet, very soft, medium plasticity, no staining or foreign material observed, no odor.		Frisco	Recyclir	ng Cente	er								
Driller's License: NA Northing: 7101745.75 Dogged By: Christopher Moore, P.G. Easting: 2480046.41 Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): th Image: Complexity of the second secon			Frisco,	ТХ									
PBW Project No. 1755 Logged By: Sampling Method: Christopher Moore, P.G. 2"x 2' Barrel Easting: 2480046.41 th Image: Sample Interval USCS USCS Lithologic Description - Image: Sample Interval USCS (0 - 2.0) CLAY, CH, very dark brown, moist to wet, very soft, medium plasticity, no staining or foreign material observed, no odor.	_	_			_			License:					
Sampling Method: 2"x 2' Barrel Ground Elev. (ft AMSL): th Image: Comparison of the second			Project N	lo 1755	5				and the second se	Moore, P.G.			
Image: Constraint of the second se		1 5 11 1	10,0001	10. 1700	·							. (ft AMSL)	
- or foreign material observed, no odor.		Recovery (ft/ft)	(mqq) CIA	Sample Interval	US	scs				Desc	ription		
	-		0	0-2		CH/	(0 - 2.0) (or foreigr	CLAY, CH, n material o	very dark brov bserved, no o	vn, moist to we dor.	et, very soft, n	iedium plas	sticity, no sta
				1									

					Completion Date:	1/18/2012	Drilling Method:	Hand Sampler
	Frisco	Recyclir	ng Cente	er	Drilling Company:	NA	Borehole Diameter (in.):	
		Frisco,	ΓX		Driller:	NA	Total Depth (ft):	2
					Driller's License:	NA	Northing:	2 7101706.18
			la 4765		Logged By:	Christopher Moore, P.G.	Easting:	2480100.38
	PRAN H	roject N	lo. 1755		Sampling Method:	2"x 2' Barrel	Ground Elev. (ft AMSL):	
	_ S	-			Company method.			
epth ft)	Recovery (ft/ft)	(mqq) DIG	Sample Interval	USCS			nologic cription	
0	0.5/2.0	0	0-2	GH	(0 - 2.0) CLAY, CH, material observed, r	very dark gray, wet, very so no odor.	ft, medium plasticity, no s	taining or foreig

Geotechnical Engineering Report Boring Logs (Rone, 2011)

Project No. 11-16996	Boring No. B 1-10	Exide Technologies Frisco, Texas						Ron	e E	ngir I词	leer	ing-
Location Completion Depth 10.0'	Completion Date 8-23-11	Water Observations Groundwater seepage appeared dry at comp	was n detion.	ot obs	erved	while	drill	ling,	and (the b	oreho	le
Sur	face Elevation	Туре СГА		÷				1	-			
Depth, Ft. Symbol Samples		um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pof	Unconfined Compression
/	FAT CLAY with limest and sand	(CH) - very hard to hard, dark brown, one fragments and calcareous nodules		4.5+		86	64	22	42	17		
1			-	4.5+						19		
-5-	- brown and	gray, with calcareous nodules		4.5+						15		
/			-	4.5+		88	53	19	34	16		
-				1.5+/2.5						18		
-10	Boring Termi	nated at 10 Feet				_						
OG OF BORIN	IG NO. B1	-10					5				ate	

Proje 1). 5 996	5	Boring No. B 1-25	Exide Technologies Frisco, Texas						Ron	ie E	ngir	ieer	ing-
Locat Comp Depti	pletio	n 25.0		Completion Date 8-23-11	Water Observations Groundwater seepage v drilling.	was o	bserv	ed at a	dept	h of :	abou	t 18'	while	•	
	T			ace Elevation	Туре	Т			1			T	-		
Depth, Ft.	Symbol	Samples		Strat	CFA um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression nef
-	E GE			FILL: FAT of gray, with 1 roots and tr	CLAY (CH) - very hard, dark brown and imestone fragments, calcareous nodules, ash (pieces of glass, nails, plastic)		4.5+	0 F	2.0			0.5	14		208
	1.61.6						4.5+		87	65	22	43	20	106	2423
- 5			ile il	SANDY CLA yellowish b	Y (CL) - very hard to hard, light rown, with calcareous nodules		4.5+						16		
							2.5		64	49	17	32	17		
-10-				- layer of calc	areous materia)		3.75						21		
1 1				- dark brown,	with sand seams		4.5+						17	_	
-15-				FAT CLAY (CH) - dark gray								-		
-	2														
-					Ϋ́		NR								
				SHALEY CL	AY - gray										
25				Boring Termina	ated at 25 Feet										
		308		G NO. B 1	-25									ate .	



Project 11 Locatio	-16	,. 5996		Boring No. B 1-35	Exide Technologie Frisco, Texas	2S						C E	l gill	neer	mg-
Compl Depth	etio			Completion Date 8-23-11	Water Observations Groundwater seer drilling.	age was o	bserv	ed at a	dept	h of :	abou	t 18'	while	•	
Depin		39.0		Date 8-23-11 ace Elevation	Туре		T			-	F	-	1		
Depth, Ft.	Symbol	Samples		Strat	CFA um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pof	Unconfined Compression
				SHALEY CI	LAY (CH) - very hard, gray		4.5+		99	56	20	36	16		
-35				SHALE - gra	у									1	
-				Boring Termin	nated at 39 Feet			100/3.5"							
OG O	FE	BOR	INC	G NO. B 1 -	-35]	Plat	e A	.4b

2

-	l-16		5	Boring No. B 2-10	Exide Technologies Frisco, Texas						Ron	eΕ	ngir I	ieer	ing-
Locati Comp Depth	letio	n 10.0)'	Completion Date 8-23-11	Water Observations Groundwater seepage appeared dry at comp	e was n pletion.	ot obs	served	while	drill	ling,	and	the b	oreho	le
			Surfa	ace Elevation	Туре СГА		1								
Depth, Ft.	Symbol	Samples			tum Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pof	Unconfined Compression
	NGN G			nodules	DY FAT CLAY - very hard, dark th limestone fragments and calcareous		4.5+		69	55	19	36	21		
	101			- pieces of t	rash at 2'		4.5+						21	103	1052
- 5				SANDY CL with grave	AY (CL) - hard, light yellowish brown, I, calcareous		4.5+						14		
_							3.5						20		
		ł		- light gray a	and yellowish brown, with sand seams		4.5+						22		
							ν.								
06 0	DF E	BOF	UN	G NO. B 2	2-10								Pla	ate	A.5

Project No. 11-16996	Boring No. B 2-25	Exide Technologies Frisco, Texas						KOI	e E	ngi Fi	neer	ing
Location Completion Depth 25.0'	Completion Date 8-23-11	Water Observations Groundwater seepage drilling.	was o	bserv	ed at a	dept	h of :	abour	t 11'	while	e	
Su	urface Elevation	Туре СГА										
Depth, Ft. Symbol Samples		um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plaetic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	FAT CLAY with calcar	(CH) - dark brown to brown and gray, cous nodules	1	4.5+						19		
				4.5+			-			18		
- 5 -	SANDY LE/ and gray, ca	AN CLAY (CL) - light yellowish brown alcareous		4.5+		65	38	14	24	16		31
			-	4.5					-	15	_	
-			-	3.5						29		
-10	- with limesto	one layers 10'-12'	-		-							
	SHALEY CL	AY (CH) - very hard, dark gray	1									
				4.5+						22		
				4.5+		99	63					
-20	- slickensided			4.51		39	03	23	40	19	109	171
	6											
-	- slickensided			4.5+						20	107	925
25-25-	Boring Termin	ated at 25 Feet							-			
OG OF BORD												
OG OF BORIN	NG NO. B2	-25								DI.	ate .	A 6

-	1-1	599(6	Boring No. B 2-35	Exide Technologies Frisco, Texas								。 開	neer	mg-
Local Comp Dept	pletic	on 35.(Completion Date 8-25-11	Water Observations Groundwater seepage drilling.	was o	bserv	ed at a	dept	h of :	ibou	t 25'	while	9	
		Π	Sur	face Elevation	Туре СГА		-							1	
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	1			FAT CLAY calcareous possible fil	(CH) - hard, dark brown, with nodules and limestone fragments, ll								16		
-	0					-	2.5		89	60	· 22	38	26	97	4
- 5	0			- dark browr	n and gray		2.5/4.5		-				29		
	0			- dark gray a	nd olive, with calcareous nodules	-	2.25						28		
-							2.25		89	69	24	45	27		
-10				FAT CLAY	(CH) – dark gray					_		<u>)</u>			
-15				- with grave]	size calcareous nodules 14'-15'		1.75		57	54	18	36	19		
				SHALEY CI and yellowi	AY (CH) - hard to very hard, light gray sh brown		3.0						- 20		
20-				- slickensided	1		5.0						30	91	47
-															
				- dark gray, si	lickensided		4.5+		99	62	22	40	21	107	153
			×		<u>*</u>										
							4.5+			-		_	15		-
30-	1		יעס	IG NO. B 2	2-35 Continued Next 1									te A	

ALC: NOT THE OWNER OF

Proje 1	ct No 1-1). 5 99	6	Boring No. B 2-35	Exide Technologi Frisco, Texas	es					Ron	e E	ngir Iര	ieer	ing-
Loca	tion	10.7			Water Observations Groundwater see	nade was u	hserv	eđata	dent	hofe	bou	1751	while		
Com Dept		n 35.	0'	Completion Date 8-25-11	drilling.	ange mus o	05011	cu at a	depti		1004	1 23	WAIIC		
			Surf	ace Elevation	Туре СГГА			+ -							
Depth, Ft.	Symbol	Samples		Stra	tum Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastio Limit, %	Plasticity index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
				- slickensid	ed		4.5+						16	118	237
-35-			×	SHALE -gr	ау										
		7						100/3.0"							
	-			Boring Tern	ninated at 38 Feet										
.0G	OF	BC	RIN	IG NO. B	2-35								Pla	te	.7b

Project No 11-16		Boring No. B 3-10	Exide Technologies Frisco, Texas						Kon	e E	ngir 悉	ieer	ing-
Location Completion Depth	10.0'	Completion Date 8-26-11	Water Observations Groundwater seepage appeared dry at comp	was n letion.	ot obs	erved	while	dril	ling,	and 1	the b	oreho	ole
	Su	face Elevation	Туре СГА							[[1
Depth, Ft. Symbol	Samples	5	um Description	REC %	Penetrometer Reading, TSF	SPT - Blowe/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pof	Unconfined Compression
		limestone	CLAY - dark brown to brown, with fragments, calcareous nodules, plastic, ad paper, sandy		4.5+						11		
67.6							69	60	20	40	11		
5-5-6											18		
22.22		- dark gray, v	with calcareous nodules, paper, trash				80	63	22	41	30		
-10-10											22		
.OG OF E	BORIN	IG NO. B 3	-10								Pl	ate	A.8

Projec 1		5. 5996	;	Boring No. B 3-25	Exide Technologies Frisco, Texas						Kor	ne E	ngir 国际	ieer	ing-
Locat	ion				Water Observations										2
Comp Depth		n 21.0)1	Completion Date 8-26-11	Groundwater seepa appeared dry at con	ge was n npletion.	ot ol	oserved	while	e dril	ling,	and	the b	oreho	ole
			Surf	face Elevation	Type HSA/CFA										
Depth, Ft	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight	Unconfined Compression
	61.61			fill: CLA fragments a paper	Y - dark grayish brown, limestone and roots, with plastic, slag, gravel and								12		
	12:42								54	58	20	38	9		
- 5	61- 61- (a							43		
1				FILL: FAT	CLAY - firm, dark gray and yellowish		1.25		73	60	20	40	32		
-10-	61.61			brown					,,,		20	40	52		
1	0.00			FILL: FAT (nodules and	CLAY - very soft, gray, with calcareous wood, wet										
	()))))))))))))))))))))))))))))))))))))			- calcareous n	odules 14' to 14.5'		0,25						24		
1				SHALEY CL stains	AY (CH) - gray, with iron oxides										
20-							3.0		99	80	28	52	27		
4	4			Boring Termin	ated at 21 Feet			46/12"	_						
		-													
) DF E	OR	INC	G NO. B 3	-25								Ple	ite .	<u> </u>

1.1

Proje 1 Local	1-16		5	Boring No. B 3-35	Exide Technologies Frisco, Texas						Ron	e E	ngin Kal	leer	ing-
Comp	letio	35.(Completion Date 8-29-11	Groundwater seepage drilling.	was o	bserv	ed at a	dept	h of s	bou	t 18'	while	;	
		-	Surf	ace Elevation	Type HSA/CFA		Τ	*=							
Depth, Ft.	Symbol	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blaws/Foot TCP - Blaws/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	12.61		-	FILL: CLA	Y - brown, with gravel, wood, and slag				69	50	19	31	8		10
 - 5 -				FILL: SLA	G - gray, slag, rock fragments, gravel size										
- - -10-		X		CLAY (CH) rock fragm	- dark brown, with slag, gravel and ents, possible fill			√=50/5.0	9				23		
				FAT CLAY and yellow	(CH) - soft to firm, dark grayish brown ish brown, with weathered limestone		1.0		96	65	24	41	36		
20-					Ţ	z	0.5			68	23	45	35		
				- dark grayis weathered l	brown and yellowish brown, with imestone		1.25						36		
L'ala la la		7		SHALEY CL	AY (CH) - gray			N=64		55	18	37	19		
30-	1	Y		G NO. B 3	-35 Continued Next									_	

11		o. 5 996	5	Boring No. B 3-35	Exide Technologi Frisco, Texas	es					Kor	ie E	ngir	neer	ing-
Locat Comp Depth	oletic	m		Completion	Water Observations Groundwater see drilling.		bserv	ed at a	dept						
Depth		0010		Date 8-29-11 ace Elevation	Type HSA/CFA	. b. 			1		[Γ	[
Depth, Ft.	Symbol	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Llquid Limit, %	Plaetlo Limit, %	Plasticity index	Moisture Content, %	Dry Unit Weight	Unconfined Compression
		X		Boring Term	inated at 35 Feet			⊨9 4/11.5	7				18		
														4	
				3 NO. B3						_					

	1-16	996	Boring No. B 4-10	Exide Technologies Frisco, Texas						Ron	e Ei	ngir Iæl	neer	ing
Locat Comp Depth	oletio	n 10.0'	Completion Date 8-26-11	Water Observations Groundwater seepage	was o	bserv	ed at a	depi	th of	abou	it 8' v	vhile	drill	ing.
			Inface Elevation	Туре СГА	T			1				à		
Depth, Ft.	Symbol	Samples		tum Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Paseing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moleture Content, %	Dry Unit Weight pcf	Unconfined Compression
-	19.4		FILL: FAT and gray, nodules	CLAY - very hard, dark brown, brown with limestone fragments and calcareous		4.5+		86	56	20	36	12		
	61.6					4.5+						11		
	1.10							-				23		
	1.6				-					_	·	18		
	61.6													
-	1000		- becomes s	andy at 8'		4.5+		64	56	20	36	17		
				ς										
			NG NO. B	4-10								Pla		

Project 11-		996	Boring No. B 4-35	Exide Technologies Frisco, Texas						Kon	e E	ngir I@1	ieer	ing-
Locatio Comple	etio		Completion	Water Observations Groundwater seepage drilling.	was o	bserv	ed at a	dept	h of s	bout	13'	while	•	
Depth		58.0' Si	Date 8-25-11 urface Elevation	Туре СГА					-				r	
Depth, Ft.	Symbol	Samples		um Description	REC %	Penetrometer Reading, TSF	SPT - Blowa/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined Compression
_			FILL: CLA limestone	YEY SAND - loose, brown, with fragments and calcareous nodules								10		
_	(). ().		- light gray e	and yellowish brown		0.5		34	58	20	38	19		
5-			FILL: SANI	DY FAT CLAY - firm, dark brown		2.25						35		
	65.63	i. N				1.25						47		
1-						1.25		69	62	23	39	36		
-	2		FAT CLAY	(CH) - hard, brown, with sand	<u>v</u>	3.75						20		
			- light yellow	ish brown and light gray		2.25						26		
20— — —														
25-			SHALEY CL	AY (CH) - dark gray, slickensided		4.5+		98	56	21	35	17	115	9500
						4.5+						18	113	13770
	F E	1 BORI	NG NO. B 4	-35 Continued Next	Page									12a

Project No. 11-16996	Boring No. B 4-35	Exide Technologies Frisco, Texas						Ror	e E	ngir Igi	neer	ing-
Location Completion	Completion	Water Observations Groundwater seepa drilling.		bserv	ed at a	dept	h of 1	abou	t 13'	while	•	
Depth 38.0'	Date 8-25-11 face Elevation	Туре		1		1			-	r	r	
E L		CFA		L.,	nch to	002					Ŧ	
Depth, Ft. Symbol Samples	Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined
				4.5+								
-35	SHALE - dar	GTAU		1.5						21		
		, fa 2			100/4.0"							
┊╞═╡┙	Boring Termir	pated at 38 Feet			100/4.0				_		_	
OG OF BORING	G NO. B4 -	35									A.1	

	1-1(o. 699	6	Boring No. B 5-10	Exide Technologies Frisco, Texas						Ror	ie E	ngi: Na	ieer	ing-
Locat	ion				Water Observations										
Comp Depth)n 10.		Completion Date 8-22-11	Groundwater seepag appeared dry at com	e was n pletion.	ot obs	erved	while	e dril	ling,	and	the b	oreho	ole
			Sur	face Elevation	Type HSA/CFA							Γ	Γ		
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Llquid Llmit, %	Plastic Limit, %	Plasticity index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	61.6			FILL: FAT limestone	CLAY - very hard, dark brown, with gravel		4.5+		60	59	19	40	14		30
	1.61.61			- with plastic	3										
- 5	19												7		
-	F C						4.5+						14		
-				FAT CLAY fragments	(CH) - hard, dark brown, with limestone		3.25		96	68	24	44	32		
10	4			Boring Termi	nated at 10 Feet					-		_			
OG C	DF E	301	RIN	IG NO. B 5	-10								Plat	re A	12

Proje 1	1-1	6996	i	Boring No. B 5-25	Exide Technologies Frisco, Texas							ie E	ng!! 【澤】	neer	nuĝ-
Loca Com Dept	pletic	on		Completion	Water Observations Groundwater seepage drilling.	e was o	bserv	ved at a	dept	h of a	abou	t 18'	while	e	
Depi	T	28.0		Date 8-26-11	Туре		1	1	1		T	<u>г</u>	-	1	
يە ئە		6			CFA	-		Lo t	00					Ħ	
Depth, Ft	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	5			FILL: LIME	ESTONE BASE - light brown								2		
	61			•		-	-	-	<u> </u>				7	_	
	61-6			ĸ		ļ									
- 5 -	E-GE			FILL: FAT	CLAY - very hard, dark brown, with ragments		4.5+			67	23	44	29		
	61-61					-		-					6		
-	61					-	2.25			71	24	47	33		
-10-	51-6														
				FAT CLAY (with sand so	CH) - light gray and yellowish brown, earns										
	0						4.5+						20	_	
-15	2														
	0														
	1			SHALEY CL ferrous stain	AY (CH) - very hard, gray, with	2	4.5+		97	65	23	42	25		
-20											-			\neg	•
4	1			- slickensided									20		
	1							8					20	111	
-				SHALE - dark	gray										
				Boring Termin	ated at 28 Feet			100/4.0"							
				Soring remain	100 dt 20 1 001										
				G NO. B 5	-25									te A	

Proje 1 Local	1-10	o. 6 99	6	Boring No. B 6-10	Exide Technologies Frisco, Texas Water Observations								經過	ieer	
Comp Depti		on 10.	0'	Completion Date 8-22-11	Groundwater seepage appeared dry at comp	was n letion.	ot obs	served	while	e dril	ling,	and	the b	oreho	ole
			Sur	face Elevation	Туре СГА	1									[
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression nef
_	19			FILL: CLA fragments,	Y - dark brown, with gravel, limestone slag fragments and plastic fragments	1	4.5+						13		502
	61.61.6			- with concr	ete fragments and plastic								12		
- 5	Herer Gr							*							
	6			FILL: SANI	DY FAT CLAY - soft, brown		0.75		64	59	22	37	30		
-10-	1. A				inated at 10 Feet										
000 0	OF I	BO	RIN	G NO. B 6										te A	15

Project N 11-1		5	Boring No. B 6-25	Exide Technologies Frisco, Texas						Ron	eΕ	ngir	ieer	ing-
Location			1 11 10 100	Water Observations								2.10		
Completie Depth	28.0		Completion Date 8-26-11	Groundwater seepage appeared dry at comp	was n letion.	ot ob	served	while	dril	ling,	and (the b	oreho	ole
	Π	Surfa	ce Elevation	Туре СГА		T	1			1			1	
Depth, Ft. Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blaws/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
5			FILL: SANI with limest	DY FAT CLAY - brown to dark brown, one fragments			100/5.25							50
E						1						12		
			FILL: CLAY concrete fra	Y - light gray, with ground concrete, agments, finc to medium				70	58	21	37	11		
									40	23	17	7		
- 5 - 6	V						24/12"					11		
6			FILL: FAT (slag, wood	CLAY - dark brown, with plastic, glass, fragments, concrete fragments					61	30	31	25		
						2.0						35		
-0														
-6												34		
10	▼	5	- Dimonut	(CH) - hard, dark brown			12/12"							
-15						2.25		85	64	22	42	29		
20-			SHALEY CL brown and g	AY (CH) - hard to very hard, light ray, with iron stains		4.5						28		
			- slickensided			3.0		66	46	15	31	16	119	203
25-1-1		1	SHALE - gray		+				-+			-+		
			Boring Termin	ated of 28 Feet			00/2.75'							
				now at 20 / 50;										
OG OF 1	BOR		NO. B6	-25										.16

	1-1(6	Boring No. B 7-10	Exide Technologies Frisco, Texas						KON	eE	ngir	ieer	Ing-
Locat	tion				Water Observations Groundwater seepage	was n	ot obs	erved	while	dril	line.	and 1	the b	oreho	le
Com Depti		n 10.		Completion Date 8-22-11	appeared dry at comp	letion.								or on c	
	-		Surf	ace Elevation	Type HSA/CFA			+ -							
Depth, Ft.	Symbol	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight	Unconfined Compression
	H-CH			FILL: FAT limestone f	CLAY - very hard, brown, with fragments	1	4.5+		80	59	20	39	19		0
	61.61.6			FILL: SLAC fragments	G GRAVEL - brown, with slag broken							4	-		
- 5	H.GH.GH												-		
1	61.61												is.		
	61.6				inated at 10 Feet			×.					6		
															a
		BO	RIN	G NO. B 7	/-10								DIa	te A	17

	1-16	996		Boring No. B 7-25	Exide Technologies Frisco, Texas						ROI	le E	ngir	ieer	ing-
Locat Comp Depth	letio	29.0		Completion Date 8-29-11	Water Observations Groundwater seepage drilling.	was o	bser	ved at a	dept	h of :	abou	t 13'	while	•	
			Surfa	ce Elevation	Type HSA/CFA						Γ		1		
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading TSE	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pof	Unconfined Compression
	101	V		FILL: FAT	CLAY - dark brown and dark gray, with d slag fragments			3/12"					11		
	and a			FILL: SLAC	G - gray, slag fragments, gravel size			1					7		
			olan 4 - 1-			_	7/12"								
	100			- slag and pla	1500				34	50	19	31	14		
							5/12"								
	10.10			- slag fragme. wood	nts, plastic, piece of shoe, cloth and								27		
	a citado			FAT CLAY (CH) - firm, dark gray and brown	7	1.0						37		-
				- with sand se	ams		2.0		82	66	24	42	18	107	38
-25-			3	SHALEY CL iron staining SHALE - dark Boring Termin 3 NO. B 7	АҮ (СН) - very hard, dark gray, with		4.5+						27		
				SHALE - dark				100/4.75"							
				Boring Termin	ated at 29 Feet										
.0G (OF F	BOR	INC	NO. B7	-25						1		Dla	te A	10

11-1699	5 Boring No. B 8-10	Exide Technologies Frisco, Texas								ngir 協調	leer	ing-
Location		Water Observations										_
Completion Depth 8.0	Completion Date 8-22-11	Groundwater seepag appeared dry at com	e was n pletion.	ot obs	erved	while	dril	ling,	and (the bo	oreho	le
	Surface Elevation	Type CFA				1						
Depth, Ft. Symbol Samples		tum Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %		Plastic LImit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pof	Unconfined Compression
	ciay	G GRAVEL - broken slag, concrete , rubber, plastic fragments, with brown ninated at 8 Feet					46	16	30			

	l-10		5	Boring No. B 8-25	Exide Technologies Frisco, Texas									neer	me.
Locati	ion				Water Observations Groundwater seepage	e was n	ot ob	served	while	dril	ling	and	the b	orah	
Comp Depth		n 25.0)'	Completion Date 8-24-11	appeared dry at com	pletion			** 18844	- 41 11	чшВ,	auu I	uc D	orene	ме
			Surf	ace Elevation	Туре СГА		T		1					Γ	
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unoonfined Compression
	61			FILL: GRA	VEL - railroad ballast, broken rock								6		
				SANDY FA	T CLAY (CH) - very hard, dark brown with limestone fragments	1	4.5+		52	55	18	37	9		
- 5						-	4.5+						10		
						-	4.5+						12		_
-	J			FAT CLAY	(CH) - firm, dark gray and brown, with nodules		1.5		87	66	22	44	29		
-10-	1														
-15-				- with sand			1.75						33		
					-1929										
				- with gravel a	at 18'-20'								15	+	
20-										-					
				SHALEY CL.	AY (CH) - very hard, gray		4.5+		90	79	27	52	26		
25	1			Boring Termin	ated at 25 Feet							-		_	
) FE	BOR	INC	G NO. B 8	-25								Plat	e A	20

Projec 11		, 599(6	Boring No. B 9-10	Exide Technologies Frisco, Texas						Ror	C E		leer	mić
Locat	on				Water Observations					-					
Comp	latio			Completion	Groundwater seepage appeared dry at comp	was r	not ob	served	whil	e dri	lling,	and	the k	oreh	ole
Depth		n 10.()'	Completion Date 8-24-11	abbearen niñ at comb	leuon	•								
				face Elevation	Туре	1			1	T	r	r—	r		
					CFA	-		ųr	1						
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pof	Unconfined Combression
- 1	19			with layer	VEL - railroad ballast, broken roack, of clay								16		
	61- (G1-)			FAT CLAY olive, with fill	(CH) - firm to very hard, dark gray and limestone fragments and gravel, possible	+	1.75		54	59	21	38	17		
-5	() () ()					-	4.5+						18		
_	10.40			FAT CLAY gray, possil	(CH) - hard to firm, dark brown and ble fill, with gravel layer 8'-10'	+	3.0					_	33		
-	(1) (1)						1.25						31		
10-1	<u>~</u>			-	nated at 10 Feet		3								
DG O	FB	OR	INC	5 NO. B9	-10								Plat	te A	.21

1	ct No 1-1	5996		Boring No. B 9-25	Exide Technologies Frisco, Texas					j				neer	nug
Loca	tion				Water Observations										
Com				Completion Date 8-24-11	Groundwater seepag appeared dry at com	e was n pletion.	ot obs	erved	while	dril	ling,	and	the b	oreho	le
Depa	T	25.0		face Elevation	Туре	T	1-1		T		r	<u> </u>	1	1	
Ft.	o	5	-		CFA	-	ra re	/Foot /Inch	200					ght	
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined Compression
	6			FILL: GRA	VEL - railroad ballast, broken rock								5		
	2			SANDY FA brown, wit	T CLAY (CH) - firm, dark brown to h gravel		2.0						25		
- 5 -						-	2.0		61	59	20	39	19		
-							3.0		9	_			29		
_	0			- brown and	gray	-	1.5		-				34		
-10				-		-			-		-				
-15				FAT CLAY sand	(CH) - hard, dark gray and brown, with		2.5		82	63	23	40	25		
				120	a										
-	4			FAT CLAY	(CH) - firm, brown, with sand, wet	_	1.25						30	96	30
20-					×										
-															
-							1.25						24	101	270
25	2			Boring Termin	nated at 25 Feet										
	 OF	BOR	N	GNO. B9	0-25	1									.22

	1-1	5. 6 99 6		Boring No. B10-25	Exide Technologies Frisco, Texas						Ron	E	ngn Illij	leer	ing
Loca Com Dept	pletic	25.0		Completion Date 8-24-11	Water Observations Groundwater seepage drilling.	was o	bserve	ed at a	dept	h of a	abou	13'	while	•	
		1	Surf	ace Elevation	Туре СГА	T				[[[
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plaetic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined Compression
	6			FILL: GRA	VEL - gray, railroad ballast								8		
				SANDY FA brown and	T CLAY (CH) - very hard to firm, dark gray, with limestone fragments		4.5+		64	54	18	36	18		
- 5 -	1						2.0						24		
-	0					-	1.5						27		
-	0						2.75						33		
-10	0														
	0					7									
-15-	2			FAT CLAY brown, wet	(CH) - firm to very soft dark gray and		2.0						35		
. 1 1															
	1						<0.25				_		42		
20															
-				CLAYEY SA	ND (SC) - light brown, with gravel				23	42	17	25	18		
25-															
				Boring Termir	nated at 25 Feet										
OG	OF	BOR	IN	G NO. B1	0-25								Pla		.23

Project No. 11-1			Boring No. B11-25	Exide Technologies Frisco, Texas							TON	ie E	ngi Iœi	neer	ing-
Location				Water Observations Groundwater seepag	e was	obse	rve	d at a	dept	h of	abou	t 18'	whil	e	
Completic Depth	25.0	<u>۱</u>	Completion Date 8-29-11	drilling.					-						
		Surfa	œ Elevation	Type CFA			Π	+ -							
Depth, Ft. Symbol	Samples			um Description	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Penetrometer	Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity index	Molsture Content. %	Dry Unit Weight pcf	Unconfined
GE			FILL: - grave and slag	el fragments, concrete, dark brown clay						,			13		
-						+	+		36	36	. 17	19	12		
E CE			FILL: - grave	el slag, plastic, concrete and brown clay											
5-6-6			FILL: - slag a	and concrete fragments		-	+						1 		
C															
6126															
-10-							_								
6															
-CF	1		×		-	-	+								
15		24								-					
1			FAT CLAY (gray, with th	CH) - soft to firm, dark brown and ace gravel, wet											
1					<u>v</u>										
-1					-	0.5						1	32		ă
20-						T	T								
1															
1			 dark gray and nodules 	d yellowish brown, with calcareous		1.5							25	101	364
25		2	Boring Termina	ated at 25 Feet	-	-	1						_		
OG OF I	BOR	ING	NO. B11	-25									Pla	te A	.24

Proje 1		o. 699 (6	Boring No. B12-25	Exide Technologies Frisco, Texas					1	Ror	ie E	ngil	neer	ing-
Loca	tion				Water Observations										
Com Dept	pleti h	on 25.0	D'	Completion Date 8-24-11	Groundwater seepage drilling.	e was n	lot ob	served	at a c	lepth	ofa	bout	12' v	vhile	
				face Elevation	Туре СГА								Γ		
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined Compression
	F-61-			FILL: GRA	VEL - railroad ballast and limestone							.	20		20
	61.61			FILL: FAT (and brown	CLAY - very hard to hard, dark gray	+	4.5+				-		18	108	156
- 5 -	61.6						4.5+						30		
	F CF						2.75	.	88	62	23	39	24		
	61-61			- firm gray d	ark brown and olive							5,	24		
-10-	12			- min, gray, u	are brown and brive		1.25						30		
-	1.61														
-	61-61-	4		- organics and	wood fragments at 13'-15'	z									
-15-	61.6			or Barries mid	wood naginenis at 15-15								247		
				FAT CLAY ((CH) - firm to hard, dark gray and sand										
7	2			R.			1.0		77	58	21	37	30	94	306
20-											-	5/	50	74	300
ł	1														
-	2						3.0		_	-			26		
25-	1			Boring Termina	ted at 25 Feet										
															- 649
				Boring Termina											
)G C	OF I	BOR	INC	G NO. B12	-25							 1	Dla4	e A	75

C IN

	Major	Divisions	Grp Sym		Labora	atory Clas Criteria	ssification a	Ro	nel	Engi	neer	in
e size)	n is larger	Clean gravels (Little or no fines)	Gw	Well graded gravels, gravel-sand mixtures, little or no fines	ined soils		$C_{u} = \frac{P_{uo}}{P_{to}} grades$	eater than	4: C _c	$= \frac{(D_{30})^2}{D_{30} \times D_{30}} $ bi	etween 1 a	and
o. 200 Siev	Gravels n half of coarse fractio than No. 4 Sieve size)	Clean (Little or	GP	Poorly graded gravels, gravel-sand mixtures, little or no fines	re. e), coarse-gra	slo		eting al	l gradi for G		quiremer	nts
Coarse - Grained Soils (more than half of the material is larger than No. 200 Sieve size)	Gravels (more than half of coarse fraction is larger than No. 4 Sieve size)	ith fines siable f fines)	GМ	Silty gravels, gravel - sand - silt mixtures	Determine percentages of sand and gravel form grain size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows	ess than 5 percentGW,GP,SW,SP lore than 12 percentGM,GC,SM,SC to 12 percentBorderline cases requiring dual symbols	Liquid and below "A great	l Plastic \" line or er than 4	P.I.	limit hat	d and pla s plotting ched zor een 4 an	g in ne
Coarse - Grained Soils e material is larger than	(more the	Gravels with fines (Appreciable amount of fines)	GC	Clayey gravels, gravel - sand - clay mixtures	vel form gra aller than No.	Less than 5 percentGW,GP,SW,SP More than 12 percentGM,GC,SM,SC 5 to 12 percentBorderline cases requiring dual sym	Liquid and above "A' great	l Plastic ' line witt er than 7	h P.I.	are cases	borderlir requiring ual symbo	ne gu
Co alf of the n	action is e size)	Clean sands (Little or no fines)	sw	Well graded sands, gravelly sands, little or no fines	nd and gra (fraction sma	derline cas	$C_{u} = \frac{P_{uo}}{P_{uo}} greater$	eater than	6: C _c =	$= \frac{(D_{30})^2}{D_{10} \times D_{10}} be$	tween 1 a	ind
ore than h	Sands If of coarse fi No. 4 Sieve	Clear (Little or	SP	Poorly graded sands, gravelly sands, little or no fines	ges of sal ge of fines	ercent percent ntBor	Not me	eting all	grada for S		quiremen	nts
ш)	Sands (more than half of coarse fraction is smaller than No. 4 Sieve size)	Sands with fines (Appreciable amount of fines)	SM	Silty sands, sand silt mixtures	 percenta on percenta od as follows 	Less than 5 percent More than 12 percent 5 to 12 percentBord	Liquid and below "A less			limi betw	d and pla its plottin een 4 an	ig id 7
	(more ti smal	Sands w (Appre amount	sc	Clayey sands, sand clay mixtures	Determine Depending are classifie	Les Moi 5 tc	Liquid and above "A'	Plastic line with er than 7	η P.I.	cases	borderlin requiring Ial symbo	ju
Sieve)	Clays these	(0	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity	60					тт	17	1
lls er than No. 200 Sieve)	Silts and Clays	than 50)	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, and lean days	50				СН		\bigwedge	
		-	OL	Organic silts and organic silty clays of low plasticity	Xii 40				-	И		
- Grained Soils terial is smaller	ays eater		мн	Inorganic silts, micaceous or diatomaceous fine sandy or silty solls, elastic silts	40 Xadni Yiloitte Xadni Yiloitte A					and N	414	
Fine - Grained Sc (more than half of the material is smal	Silts and Clays louid limit great	than 50)	сн	Inorganic clays of high plasticity, fat clays	ਛੋਂ 20		CL /	. W				
an half of			он	Organic clays of medium to high plasticity, organic silts	10	CL-ML	ML	and OL				
(more th	Highly Organic	soils	Pt	Peat and other highly organic soils	0 L 0	10		0 50 LIQUID LII ASTICITY	МІТ	70 80 T	90 10	00

LETTA CLAN	PES			Rone Engineering
			SAND-WELL GRADED	
FAT CLAY			LIMESTONE-WEATHERED	
LEAN CLAY			CONCRETE	
SANDY CLA	Y		FILL	
			GRAVEL	'Shelby' 'Auger' Split Tube Spoon
CLAYEY SA	ND		CLAYEY GRAVEL	
SHALE			MARL	
SAND-POO	RLY GRADED		SILT	Rock Cone No Core Pen Recovery
TERMS DESCRIBING	CONSISTENCY	. COND	TION, AND STRUCTURE OF SOIL	
Fine Grained Solls (More I				
Consistency	Penetrometer R		tsf) Unconfined Compression, (psf)	
Very Soft	<u><</u> 0.8			
Soft Firm	0.5 to 1.0 to		1000 to 2000	
Hard	2.0 to		2000 to 4000 4000 to 8000	
Very Hard	> 4.(> 8000	
Coarse Grained Solls (Md	ore than 50% Retained or	No. 200 Sien	7e)	
Penetration Resistance (Blows / Foot)	Descriptiv	e item	Relative Density	
0 to 4 4 to 10	Very Los Loose		0 to 20%	
10 to 30	Medium D		20 to 40% 40 to 70%	
30 to 50	Dense		70 to 90%	
Over 50	Very Der	ise	90 to 100%	
				200-10
Soil Structure				
Calcareous Slickensided Laminated	Having inclined pla Composed of thin	anes of we layers of v	ts of calcium carbonate; generally nodular akness that ate slick and glossy in appearanc arying color or texture	Xe
Calcareous Silckensided .aminated Fissured	Having inclined place Composed of thin Containing cracks	anes of we layers of v sometime	akness that ate slick and glossy in appearant arying color or texture is filled with fine sand or silt	
Calcareous Silckensided .aminated Fissured nterbedded	Having inclined pla Composed of thin Containing cracks Composed of alter	anes of we layers of v sometime nated laye	akness that ate slick and glossy in appearant arying color or texture is filled with fine sand or slit irs of different soll types, usually in approxima	
Calcareous Silckensided .aminated Fissured nterbedded	Having inclined pl Composed of thin Containing cracks Composed of alter PHYSICAL PRO	anes of we layers of v sometime nated laye	akness that ate slick and glossy in appearant arying color or texture is filled with fine sand or slit irs of different soll types, usually in approxima	
Calcareous Silckensided .aminated Fissured Interbedded FERMS DESCRIBING fardness and Degree of	Having inclined pl Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation	anes of we layers of v sometime nated laye	akness that ate slick and glossy in appearand arying color or texture is filled with fine sand or slit is of different soll types, usually in approxime S OF ROCK	
Calcareous Silckensided aminated Fissured nterbedded FERMS DESCRIBING fardness and Degree of fery Soft or Plastic Soft	Having inclined pl Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched	anes of we layers of v , sometime nated laye PERTIES n hand; co with fingen	akness that ate slick and glossy in appearance arying color or texture as filled with fine sand or slit rs of different soil types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nail	
Calcareous Silckensided aminated Fissured Interbedded FERMS DESCRIBING Iardness and Degree of Very Soft or Plastic Soft Moderately Hard	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Can be scratched	anes of we layers of v , sometime nated laye PERTIES n hand; co with fingen easily with	akness that ate slick and glossy in appearand arying color or texture is filled with fine sand or slit is of different soil types, usually in approxima S OF ROCK	
Calcareous Silckensided aminated Fissured nterbedded FERMS DESCRIBING fardness and Degree of fery Soft or Plastic soft foderately Hard lard	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Can be scratched Difficult to scratch	anes of we layers of v , sometime nated laye PERTIES n hand; co with fingen easily with with knife	akness that ate slick and glossy in appearand anying color or texture is filled with fine sand or slit its of different soll types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nall knife; cannot be scratched with fingernall	
Calcareous Silckensided aminated Fissured nterbedded ERMS DESCRIBING fardness and Degree of fery Soft or Plastic soft foderately Hard lard fery Hard soorly Cemented or Friable	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Difficult to scratch Cannot be scratched Easily crumbled	anes of we layers of v , sometime nated laye PERTIE n hand; co with fingen easily with with knife ed with kni	akness that ate slick and glossy in appearand arying color or texture is filled with fine sand or slit ris of different soll types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nail knife; cannot be scratched with fingernall ife	
Calcareous Silckensided .aminated Fissured nterbedded	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Difficult to scratch Cannot be scratched Difficult to scratch Cannot be scratched Bound together by	anes of we layers of v , sometime nated laye PERTIE n hand; co with fingen easily with with knife ed with kni	akness that ate slick and glossy in appearand arying color or texture is filled with fine sand or slit ris of different soll types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nail knife; cannot be scratched with fingernall ife	itely equal proportions
Calcareous Silckensided aminated Fissured nterbedded FERMS DESCRIBING fardness and Degree of fery Soft or Plastic Soft foderately Hard fordy Camented or Friable cemented	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Can be scratched Difficult to scratch Cannot be scratch Cannot be scratched Difficult to scratch Cannot be scratched Bound together by matertals.	anes of we layers of v sometime nated laye PERTIES n hand; co with finger easily with knife ed with knife chemically	akness that ate slick and glossy in appearand anying color or texture is filled with fine sand or slit re of different soil types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nail knife; cannot be scratched with fingernal ife y precipitated material; Quartz, calcite, dolom	itely equal proportions
Calcareous Silckensided aminated issured herbedded ERMS DESCRIBING fardness and Degree of fery Soft or Plastic oft foderately Hard oorly Cemented or Friable emented emented regree of Weathering nweathered lightly Weathered	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Can be scratched Difficult to scratch Cannot be scratch Cannot be scratch Easily crumbled Bound together by matertals.	anes of we layers of v sometime nated laye PERTIE: n hand; co with finger easily with with knife ed with knif chemically state befor ty by color	akness that ate slick and glossy in appearand anying color or texture is filled with fine sand or slit its of different soil types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nail knife; cannot be scratched with fingernall ife y precipitated material; Quartz, calcite, dolom e being exposed to atmospheric agents change with no disintegrated zones	itely equal proportions
Calcareous Silckensided aminated Fissured nerbedded FERMS DESCRIBING lardness and Degree of fery Soft or Plastic oft loderately Hard ard fery Hard oorly Cemented or Friable emented legree of Weathering nweathered legtity Weathered feathered	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Can be scratched Difficult to scratch Cannot be scratched Bound together by materlals. Rock in its natural Noted predominan Complete color ch	anes of we layers of v sometime naled laye PERTIE: n hand; co with finger easily with with knife ed with kni chemically state befor ty by color nge with z	akness that ate slick and glossy in appearand anying color or texture is filled with fine sand or slit its of different soll types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nail knife; cannot be scratched with fingernail ife y precipitated material; Quartz, calcite, dolom change with no disintegrated zones cones of slightly decomposed mork	itely equal proportions
Calcareous Silckensided aminated issured hterbedded ERMS DESCRIBING lardness and Degree of fery Soft or Plastic oft loderately Hard ard ery Hard corly Cemented or Friable emented egree of Weathering nweathered lightly Weathered	Having inclined pi Composed of thin Containing cracks Composed of alter PHYSICAL PRO Cementation Can be remolded Can be scratched Can be scratched Difficult to scratch Cannot be scratch Cannot be scratch Bound together by materials.	anes of we layers of v sometime nated laye PERTIE: n hand; co with finger easily with with knife ead with knif chemically state befor ty by color nge with c	akness that ate slick and glossy in appearand anying color or texture is filled with fine sand or slit its of different soil types, usually in approxima S OF ROCK mesponds in consistency up to hard in soils nail knife; cannot be scratched with fingernall ife y precipitated material; Quartz, calcite, dolom e being exposed to atmospheric agents change with no disintegrated zones	itely equal proportions

Exide APAR Page 594 of 2984

Phase II RCRA Facility Investigation Boring Logs (JDC, 1998a)

Client: <u>CNB Tec</u> Site: <u>Frisco</u> , Tex Geologist: <u>J. G</u> Drilling Method	cas - Phase I RFI Start Date: reg Dennis Driller: ESDI Geoprobe Drill Bit: cd: Continuous Shelby Tube w/ocatate liner Total Depth:	6/18/98 / M. McNitt 4.0 ft.	Finish Date: Ground Wate:	of1 6/18/98
Depth (11.) Depth (11.) Method (bbd) Method	Sample Description	Depth (ft.)	Boring Completion	Remarks
- NR - B - C - C - C - C - C - D 2 - D 2 D 2 	CLAY - some gravel (10%), damp, firm-grades into a silty gravel GRAVELY SILT - gravel & silt (75%), well graded 25% clay matrix, loose, damp less than 10% matrix, alean gravel CLAY - with some well rounded calcareous grav less than 20% pebbles & granule, soft, TOTAL DEPTH = 4' BGL	d2		

J,

lite: eolc rilli amp	Fri	INH Let							RRS#2
eolc rilli amr		sco Te	shnolo	ogies - Phase I RFI	Job No.: <u>027-01</u> Start Data: 6/1	8/98		leet <u> </u>	of1 6/18/98
rilli amr	orist	J. (Frea l	Dennis	Driller: ESDI / N	A. McNitt	FA		
amp	ng l	Method	; <u> </u>	oprobe	Drill Bit:		Gr	ound Wate	r:
	ling	Meth tes:	od: <u>C</u>	ontinuous Shelby Tube w/acatate liner	Total Depth: <u>4</u> Elev., GL (ft. ms	<u>.0 ft.</u> 1)·	 El	ev TOC (f	t. msl):
		pling	Class			(F	я	oring	
;	hod	OVM		Sample Descrip	tion	Ę I	Соп	pletion	Remarks
	Method	(ppm)	uscs	ч.		Depth			
-		-	223	RAILROAD BALLAST GRAVEL - gra	ding into clay		-		
	. Α		368						
	B		888		•	_			
	, D		388 8			1			
	С								
			$\gamma\gamma\gamma$	CLAY – soft, moist with alternati	na bands of				
	D			brownish yellow to gray cold	or (6" bands) 👘 👘	-			
				with calcareous gravel (20%)	-2			
			//	••		·			
			//						
					•				
						- 3			
						-			
-									
_						-·			
	E		//	CLAY – soft. moist. black		-			
					· · ·				
				TOTAL DEPTH = 4' BGL		-			
-									
-						-			
-									
-						- 5			
-		1			•				
+									
-									
-						- 6		t .	
-									1
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		1 .	1				1	1	1

E. N

Client: <u>CN</u> Site: <u>Frisc</u>	B Technolo o. Texas	ogies Phase I RFI	Start Date: 6/18	1/98	Shee Finis	t1	of1 of1 5/18/98
Drilling Me	thod: Ge	Dennis coprobe ontinuous Shelby Tube w/acatate liner & Discrete Soil Sample per intervals	Drill Bit:	Ø ft.	Grou		
Method Method d)	ing ss Class Class MVC CDCS Class	Sample Descrip	tion	Depth (ft.)	Bori Compl	ing etion	Remark
		NR – no recovery GRAVELY CLAY – firm, dry, gray SANDY GRAVEL – well graded, ar granules with less than 1 matrix, loose, damp GRAVELY CLAY – with 10% to 30 pebbles (limey calcareous moist, brownish yellow CLAY – with decreasing gravel (soft, moist, grayish black TOTAL DEPTH = 4' BGL	0% silty sand 7% weil rounded pebbles), soft, 1ess than 10%)				

Site: <u>Frisco, T</u> Geologist: <u>J.</u> Drilling Method	3006 Austi chnolo exas Greg 1 1: <u>G</u> e	P Consulting, LLC Bee Cave Road - Suite B200 in, Texas 78746 LOG OF BORING opgies - Phase 1 RF1 Dennis optimuous Shelby Tube w/ocatate liner & Discrete Soil Sample per intervals	'98 McNitt ft.	S1 Fi G1	neet nish Da	1 ate:. Wate:	<u>6/18/98</u>
Method Method Method Method Method	USCS Class	Sample Description	Depth (ft.)	B Con	oring npletion	a	Remarks
F		NR – no recovery (railroad ballast @ surface) GRAVELY CLAY – firm , damp, gray GRAVEL – clean, less than 10% silty sand matrix, greater than 90% gravel, angular to sub angular, well graded granules & pebbles, loose, moist CLAY – soft, with moderate plasticity, with 20% gravel, well rounded pebbles, moist, brownish yellow CLAY – soft, with moderate plasticity, moist, black TOTAL DEPTH = 4' BGL					

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Site: <u>F</u> Geologis Drilling	<u>isco, T</u> t: <u>J.</u> Metho	echnolo exas Greg I d: <u>C</u> e	n, Texas 78746 LOG OF BORING Job No.: 027-01 Start Date: 6/18, Dennis Driller: ESDI / M. Brogrobe Drill Bit:	McNitt	Sho Fir Gro	eet nish Dat ound Wa	ater:
	OVM (ppm	S Class	Sample Description	Depth (ft.)	Во	oring pletion	Remar
		2000 2000 2000 2000 2000 2000 2000 200	GRAVELY FILL – white, silt (not sampled) FILL – dark, clay (not sampled) GRAVELY CLAY – with 20% – 30% calcareous gravel, well rounded pebbles & granules, stiff, light brown TOTAL DEPTH = 4' BGL				
5 5 6 7				- - - - - 6 - - - 7			

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eologist: <u>J. G</u> rilling Method		_ Start Date: <u>6/18</u> _ Driller: <u>ESDI / M</u> _ Drill Bit: <u>-</u>	/98 . McNitt	She Fin Gro	eet lish De ound V	1 ite: _ Vater	6/18/98
Sampling D OVM (ppm)	Sample Descr	iption	Depth (ft.)	Bo Comj	oring pletion	L	Remarks
	CLAY – stiff, dry, block CLAYEY SILT – stiff, dry, orang CLAY – maist, soft, greenish, e motiling TOTAL DEPTH = 4' BGL						

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ite: <u>Frisco, 1</u> eologist: <u>J.</u> rilling Metho	Austin echnolo exas - Greg [d: <u>Ge</u>	Bee Cave Road - Suite B200 a, Texas 78746 LOG OF BORING gies - Phase RFI Dennis oprobe Datinuous Shelby Tube w/acatate liner & Discrete Soil Sample per intervals Elev., GL (ft. ms	8/98 4. McNitt .0 ft.	Finish Date Ground Wat	of1 : <u>5/18/98</u> er:
Sampling OVM OVM OVM	S Cla	Sample Description	Depth (ft.)	Boring Completion	Remark
A = B B = C C = D C		CLAY – some gravel (less than 20%), stiff, dry, grayish black (upper soil layer) SILTY CLAY – loose, dry, white to brown CLAY – with well rounded colcoreous gravel, dry, stiff, gray CLAY – with fine grained gravel, (less than 20% granules), stiff, dry, grayish green TOTAL DEPTH = 4' BGL			

Site	:	isco, T	l chnol exas	in, Texas 78746 LOG OF BOI ogiesJob No - Phose RFIStart]	.: 027-01 Date: 6/18/	/98	SI Fi	heet	:	
Drill	Geologist: J. Greg Dennis Driller: ESD Drilling Method: Geoprobe Drill Bit:						Ground Water:			
Depth (ft.)	por	OVM (ppm)	USCS Class	Sample Description		Depth (ft.)	B Con	loring npletion	Remarks	
9	A			ROOTS & CRASS – soil root zone GRAVELY CLAY – stiff, dry, light brown, g into grayish brown clay with 20%	gravel,					
1	B			well rounded pebbles & granules. decrease & less pebbles with dep	Gravel th, stiff, dry	 1			÷.	
1 1	с Г р									
2						2				
1 1 1					•				÷	
3 -						<u> </u>				
 4	E E (dup)			TOTAL DEPTH = 4' BGL		4				
5 -						- 5 				
6 						- 6 				
-										

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	D Consulting, LLC 66 Bee Cave Road - Suite B200			······································
A	stin, Texas 78746 LOG OF BORING		Boring No.:.	504#4
	blogies Job No.: 027-01		Sheet1	of1
Site: Frisco, Texa	- Phase RFI Start Date: 0/10/	30	Finish Date	:
Geologist: J. Gre	Dennis Driller: ESULZ_M.	MCIVIT		
Drilling Methody	Geoprobe Drill Bit:		Ground Wat	.er:
Sampling Method Coordinates:	<u>Continuous Shelby Tube w/acatate liner</u> Total Depth: <u>4.0</u> & Discrete Soil Sample per intervals Elev., GL (ft. msl)); <u> </u>	Elev., TOC ((ft. msl):
() Sampling t T T T		(ft.)	Boring	
H G OVM		臣	Completion	Remarks
Depth (Method (MAO MAO		Depth		
	CLAY – very loose, dry with 15% gravel (pebbles & cobbles)			
	CLAY - loose to compact at depth, less than 20%			
В	aravel, decrease with depth (poorly graded			
	mostly rounded granules, 5% gravel, very moist, black © TD			
	Very moist, block & ib			
C				
	R	-		
		$\left - \right $		
2-		-2		tal a
		-		
		- 1		
		-		
3-		-3		
		F		
- E				
– E (dup)				
4	TOTAL DEPTH == 4' BGL	4		
				1
5-		-5		
		-		
		-		
		–		
6		– 6		
		\vdash		
			1	
		-		
		-		
7	· ·	-7		

Client: <u>CNB Techn</u> Site: <u>Frisco</u> , Texas Geologist: <u>J. Cree</u> Drilling Method: Sampling Method Coordinates: <u>-</u>	ologies – Phase I RFI Dennis Geoprobe Continuous Shelby Tube w/acatate liner & Discrete Soil Sample per intervals	Start Date: <u>6/18/</u> Driller: <u>ESDI / M.</u> Drill Bit: <u>-</u> Total Depth: <u>4.0</u>	98 McNitt ft	Ground Water:			
Depth (ft.) Method Method USCS Class		tion	Depth (ft.)	Boring Completion	Remarks		
$ \begin{array}{c} - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\$	CLAY – roots, loose, damp, black CLAY – with less than 20% well gravel, compact, highly pla greenish gray to olive TOTAL DEPTH = 4' BGL	rounded well graded					

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te Friso	3006 Austr	ogies Jo - <u>Phase I RFI</u> S Dennis D	tart Date: <u>6/18/</u> riller: <u>ESDI / M.</u>	<u>McNitt</u>	Sheet _ Finish	1 Date:	0/10/90
rilling M	ethod: <u>Ge</u>	oprobe D potinuous Shelby Tube w/acatate liner Tu	rill Bit:	ft.	Ground		
Samp Wethod	oling Class OVM ppm) S	Sample Description	on.	Depth (ft.)	Boring Complet	g ion	Remark
A B C		CLAY – root zone, loose, dry, black CLAY – with 10%–30% calcareous v graded gravel (pebbles & gr to dense, damp, greenish gr olive with orange mottling	veli rounded & anules) compact	1			
D							
				- 3			
		TOTAL DEPTH = 4' BGL		4			
-				- - - - -			
				- 7			

nt: <u>CNB Techno</u> : <u>Frisco</u> , Texas	D Consulting, LLC 6 Bee Cave Road - Suite B200 tin, Texas 78746 LOG OF BORING logies Job No.: 02 - Phage 1 RF1 Start Date: Dennis Driller: ESE	6/18/98 1 / M. McNitt	Finish Date:	of <u>1</u> <u>6/18/98</u>
ling Method:	Geoprobe Drill Bit: Continuous Shelby Tube w/acatate liner Total Depth	4.0 ft.	Ground Wate	
Method Mod WAO WSCS Cass WAO Mod Mod WC Mod SCS Cass U SCS Cass Cass Cass Cass Cass Cass Cass	Sample Description	Depth (ft.)	Boring Completion	Remarks
A	CLAY — (upper soil root zone) loose, dry, blach	s		
- c	CLAY — compact, dry, gray to grayish green	- - - - 2		
		3		
	TOTAL DEPTH == 4' BGL			
		- 5 		
		- 6 - -		
		-7		

Geologist: Drilling Met	J. Techi o, Texa J. Gre thod:	nolc 1 <u>s</u> <u>-</u> Ge	<u>– Phose I RFI</u> Start Date: <u>6/18</u> Dennis Driller: <u>ESDI / M</u> .	<u>/98</u> <u>McNitt</u> ft.	She Fin Gre	ush Date: 	0[1 6/18/98
Sampli	ing S	usco class	Sample Description	Depth (ft.)	Bc	pletion	Remarks
			NR / FILL— interval from 0 — 24" contains 12" of recovered fill, not sampled				
NR 1				 1 			
				- 2			
F			SILT – calcareous material, laminated rock fragments to loose material recovered, individual layers are cohesive & very stiff, dry, tan, loose material is calcareous silt			-	
				- 3			
			TOTAL DEPTH == 4' BGL				
-				-			
;				- 5			
-							
7_				-7			

ite: <u>Fr</u>	isco, Te	Austi chnolo exas - Grea I	Bee Cave Road - Suite B200 a, Texas 78746 LOG OF bgiesJoh - Phase 1 RFISte DennisDri coprobeDri	o No.: <u>027-01</u> art Date: <u>6/18</u> iller: <u>ESDI / M</u> .	/98 McNitt	_ Sheet _ Finish	1 Date:	6/18/98
		- A. C.	ontinuous Shelby Tube w/acatate liner Tol & Discrete Soil Sample per intervals Ele	tal Donth 4.0) ft.			
Method Rel	OVM	s Cla	Sample Description	n	Depth (ft.)	Borin Comple	g tion	Remarks
			CLAY – soil layer, dry, stiff, black GRAVELLY CLAY – mixed with angular pebbles, loose, dry, whitish bu LIMESTONE – layered, loose, loyers a hard but brittle, dry, white TOTAL DEPTH = 18" BGL	rown				

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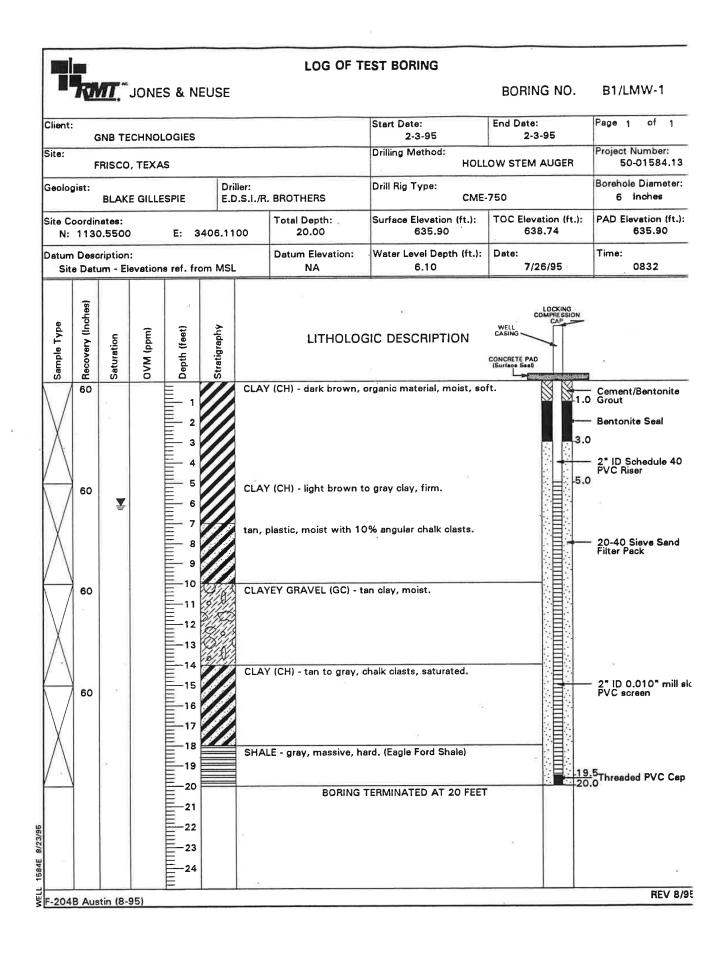
Site:	Fri	sco, T	Aus echno	ntin 0/0-	Bee Cave Road - Suite B200 1, Texas 78746 LOG OF BORING gies	/98	Shee Finis	t1	<u>SDA∦9-2</u> of1 _6/18/98
Drill	ing	Metho	d:(Ge	Dennis Driller: <u>ESDI / M</u> oprobe Drill Bit: ontinuous Shelby Tube w/ocotate liner Total Depth: <u>4.0</u> & Discrete Soil Sample per intervals Elev., GL (ft. msl)) ft.	Grou		
^D Depth (ft.)	San Por	ovm ovm	S Class		Sample Description	Depth (ft.)	Bori Comple	ng etion	Remark
					CLAY – roots, dry, loose, black SILTY CLAY – stiff, dry, gray SILTY CLAY – very stiff, loose, dry, orange to tan (calcareous material) SILTY CLAY – Same as above, grades into compact dry, grayish clay	- - - - - - - - - - - - - - - - - - -			
4					TOTAL DEPTH = 4' BGL	4			

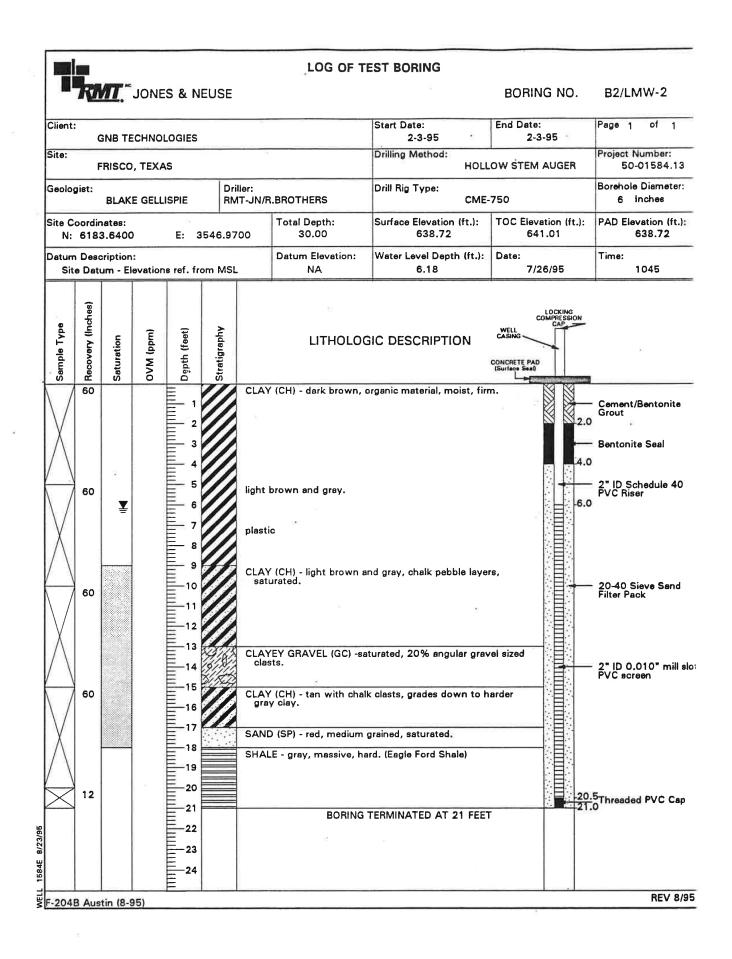
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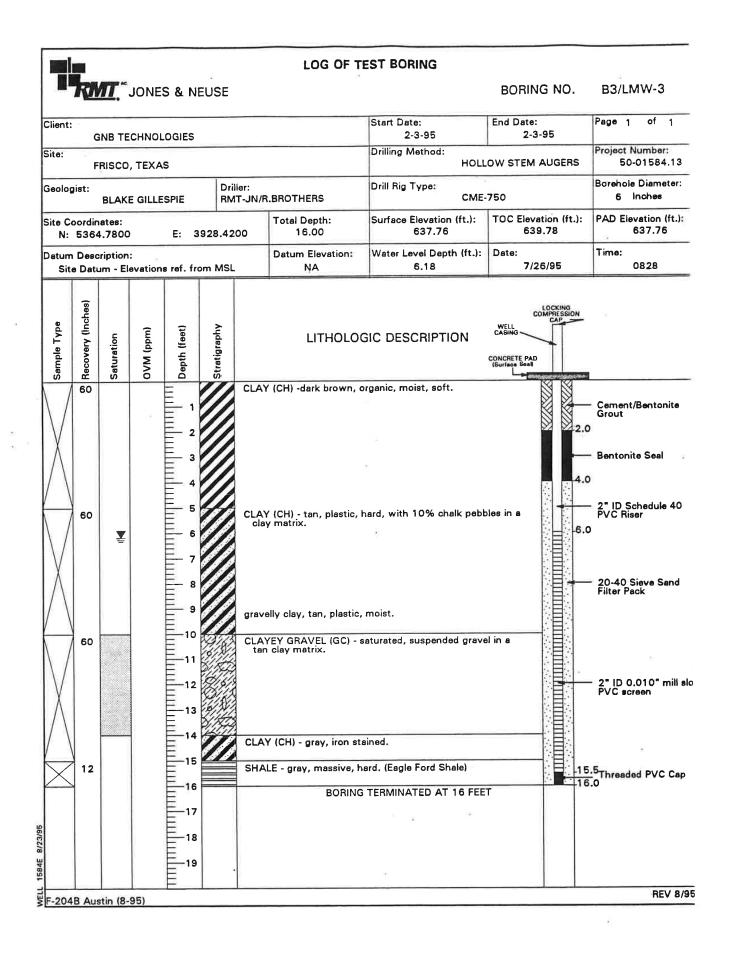
eologist: rilling Met	Technol Texas J. Greg hod:G	ogies J – Phase I RFI S Dennis D eoprobe D ontinuous Shelby Tube w/acatate liner T	tart Date: <u>6/10</u> riller: <u>ESDI/M</u> rill Bit: <u>-</u>	B/98 1. McNitt 0 ft.	Sheet1 Finish Date: Ground Wate	of <u>1</u> <u>6/18/98</u> r:
Samplin Samplin Vet Hod Wet Hod	USCS Class	Sample Descripti	on	Depth (ft.)	Boring Completion	Remarks
A B C C D C C C C C C C C C C C C C C C C		CLAY – upper soil layer, soft, dry, CLAY – compact to loose, dry, bro with orange mottling SHALEY CLAY – laminated, thin bed soft, moist, grayish black ©	wnish gray ided, stiff, damp	1 1 2 2 3 3		
		TOTAL DEPTH == 4' BGL	· · · · · · · · · · · · · · · · · · ·	- 4 - 5 - 5 - 6 - 7		

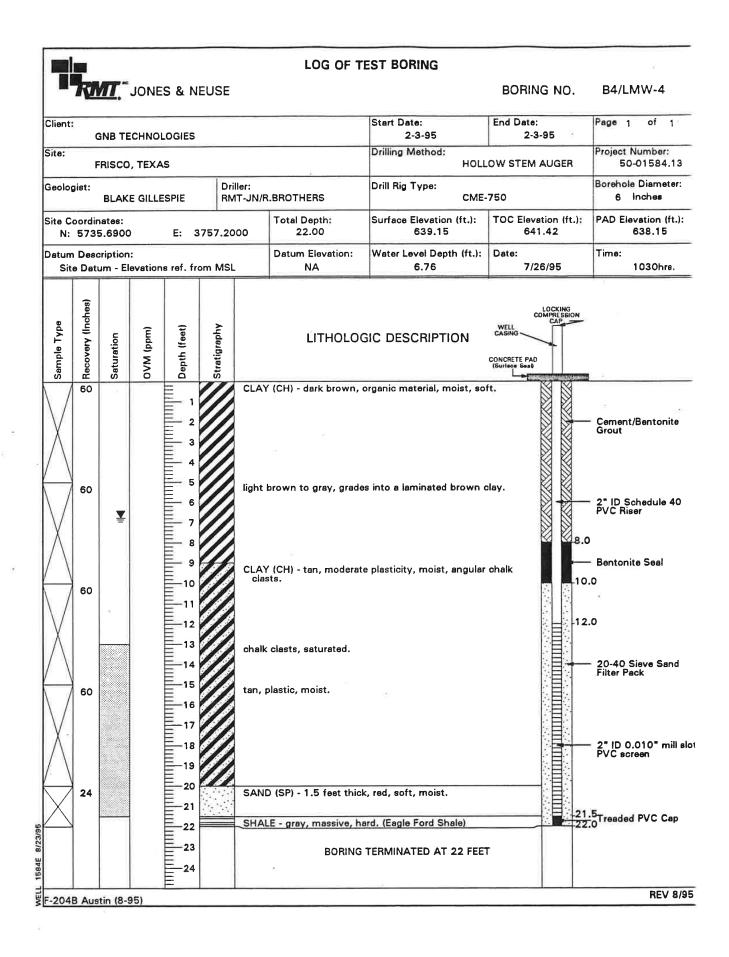
Exide APAR Page 611 of 2984

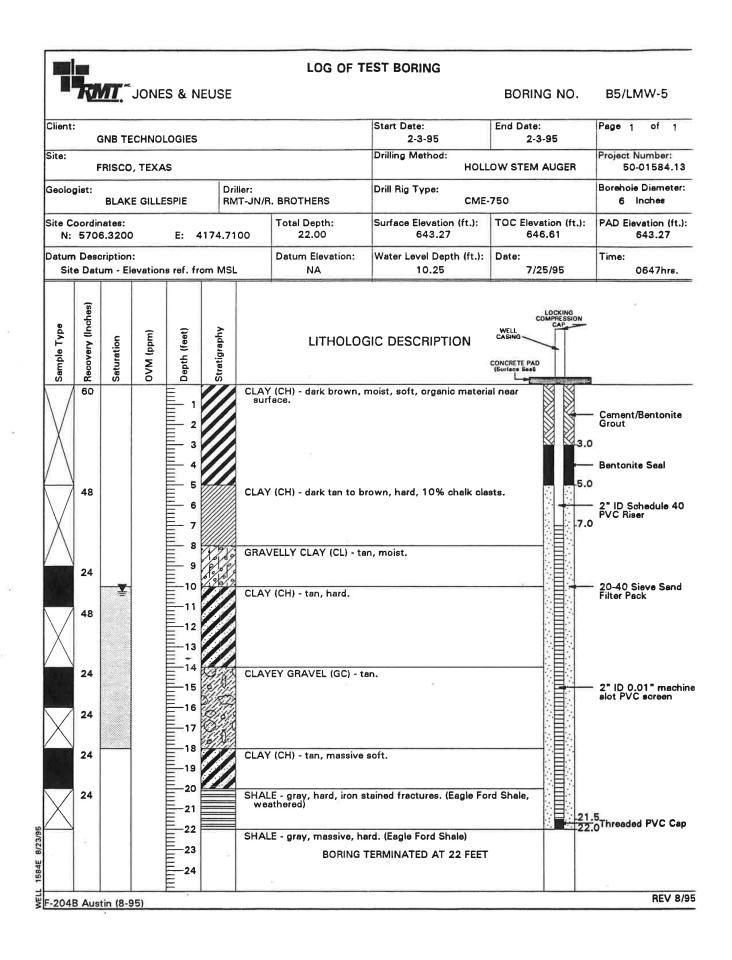
Notification of an On-Site Class II Industrial Waste Landfill Boring Logs (RMT/JN, 1995)





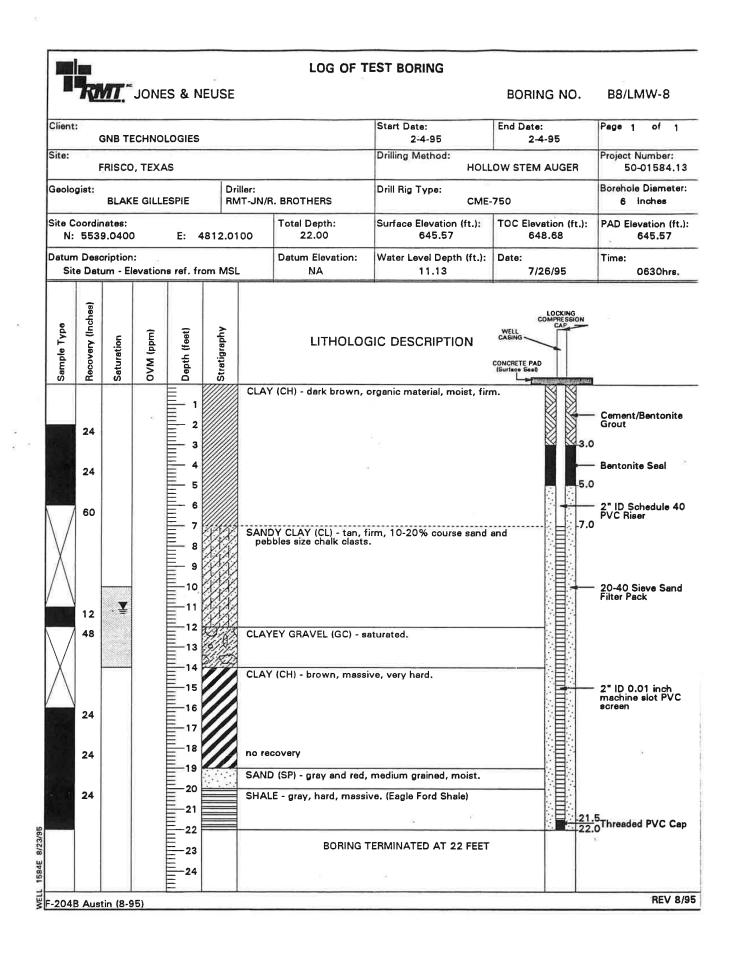


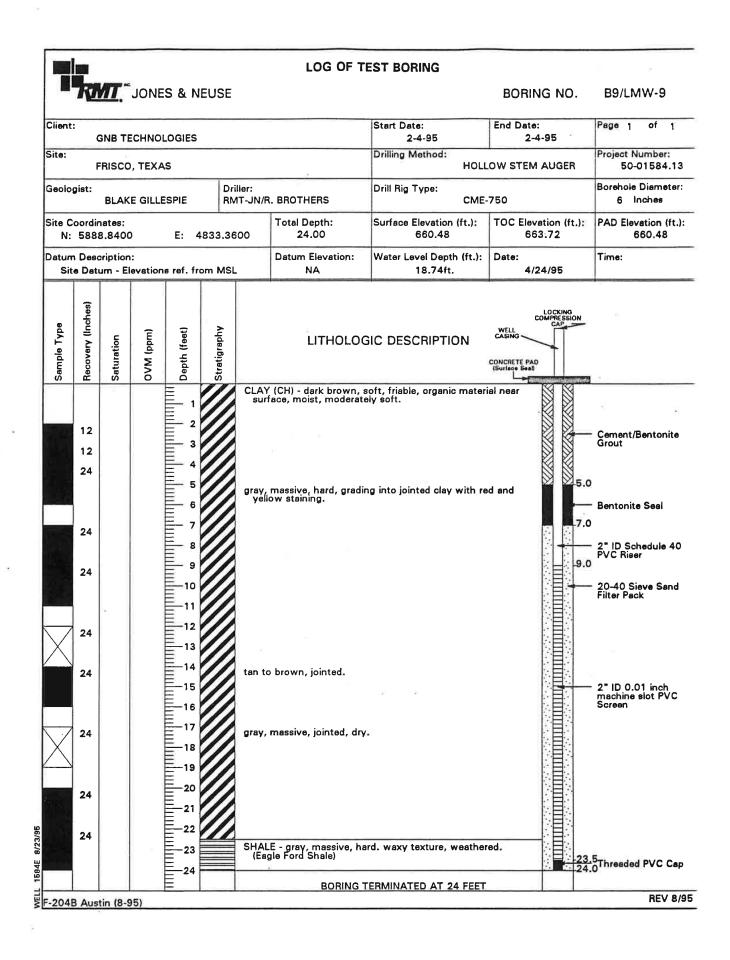


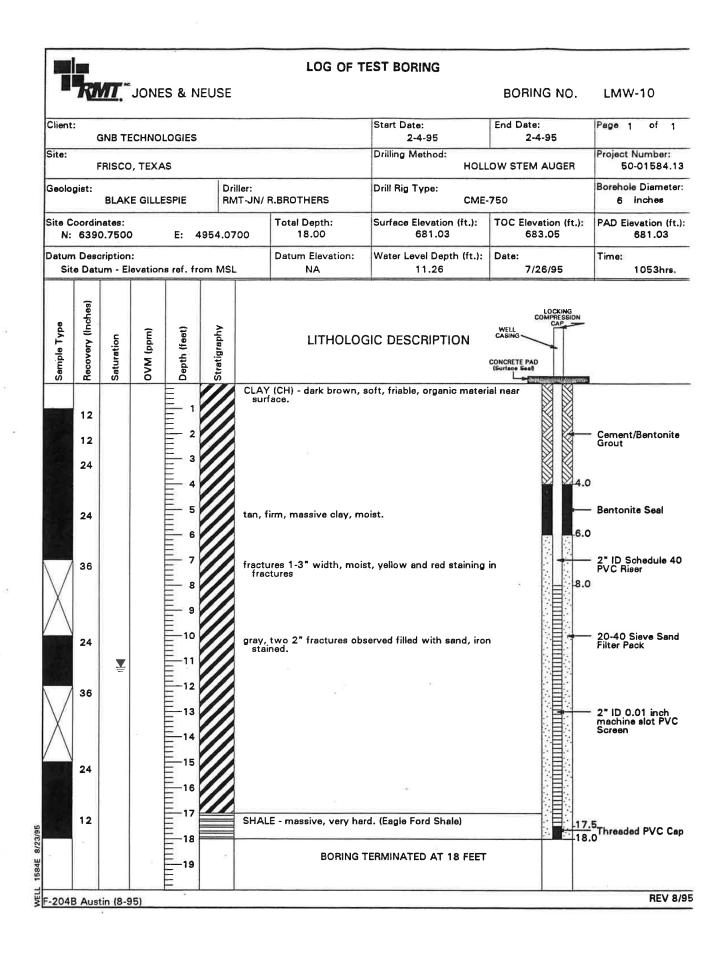


						LOG OF T	EST BORING		
78/	<u>π</u> . [*] .	JONE	S & N	EUS	SE			BORING NO.	SB-6
lient:		СНИОГ	OGIES				Start Date: 2-4-95	End Date: 2-4-95	Page 1 of 1
iite: F	RISCO,	, TEXA	S				Drilling Method: HO	LLOW STEM AUGER	Project Number: 50-01584.13
eologist:	BLAKE		SPIE		Driller: RMT-JN	R. BROTHERS	Drill Rig Type: CN	IE-750	Borehole Diameter: 6 Inches
ite Coordin N: 617			E: 4	1239	.9600	Total Depth: 21.00	Surface Elevation (ft.): 652.79	TOC Elevation (ft.): NA	PAD Elevation (ft.): NA
atum Deso Site Dat	•		sref.fr	om N	ISL	Datum Elevation: NA	. Water Level Depth (ft. NA): Date: NA	Time: NA
Sample Type Recovery (Inches)	Saturation	(mqq) MVO	Depth (feet)	Stratigraphy				ESCRIPTION	
24 24 24 24 24 48 24 48 24 48 24 48 12			1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24		ligh tan CLA SIL	t brown and gray. to brown, very firm, r NY (CH) - tan, firm wit aining. TY SAND (SM) - red, r ALE - gray, massive, h	nassive. h horizontal jointing, 1-3 nedium grained, friable, o ard. (Eagle Ford Shale) TERMINATED AT 21 FE	" width, jointing coated	with red and yellow
			Ξ						REV 8/

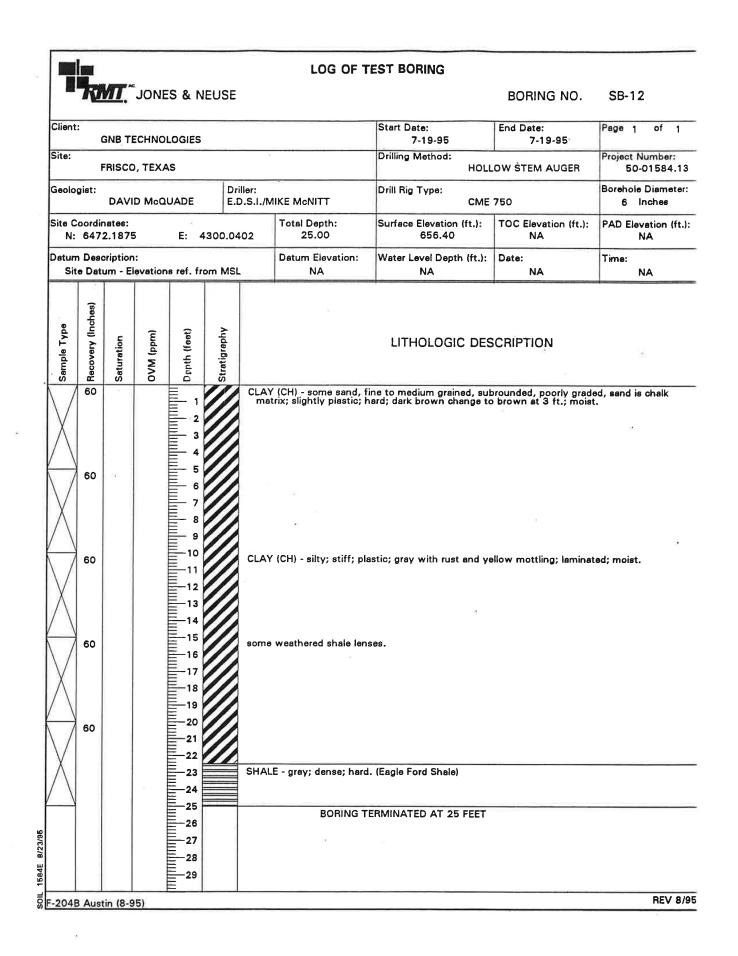
	F T	<u>лт.</u>	JONE	ES & N	EUSE				BO	RING NO.	B7/LMW-7
Client:		NB TE	снио	LOGIES				Start Date: 2-2-95	End D)ate: 2-3-95	Page 1 of 1
Site:	F	RISCO	, TEXA	AS				Drilling Method: H	TEM AUGER	Project Number: 50-01584.1	
Geolog	jist:	BLAK	E GILLI	ESPIE		lier: IT-JN/F	R. BROTHERS	Drill Rig Type: Cl	Borehole Diamete 6 Inches		
Site Co N:		ates: 1.6800		E: 4	322.69	00	Total Depth: 20.00	Surface Elevation (ft.) 657.45	: TOC I	Elevation (ft.): 659.07	PAD Elevation (ft 657.45
		ription um - Ele		ns ref. fr	om MSL		Datum Elevation: NA	Water Level Depth (ft 8.06	.): Date:	7/26/95	Time: 1050hrs.
Sample Type	Recovery (Inches)	Saturation	(mqq) MVO	Depth (feet)	Stratigraphy		LITHOLOG	GIC DESCRIPTION	WELL CASING CONCRET ISurfece		zi
X	60	¥		1 2 3 4 5 6 7 8 9 9 10		light	face. brown to gray, grade moist with 10% angu	s to laminated brown c ilar chalk clasts.	aγ.		- 2" ID Schedule 4 PVC Riser
	48 36 36			10 11 12 13 14 15 16 17 18 19		CLAY	r (CH) - tan to gray, ·	en, decreasing grain siz <5% chalk pebbles. ith horizontal jointing, ii		119	- 2" ID 0.01 inch machine slot PVC Screen
/				20 21 22 23 23		SHAI	LE - gray, massive, he BORING	ard. (Eagle Ford Shale) TERMINATED AT 20 FE	ET	20 20	.0

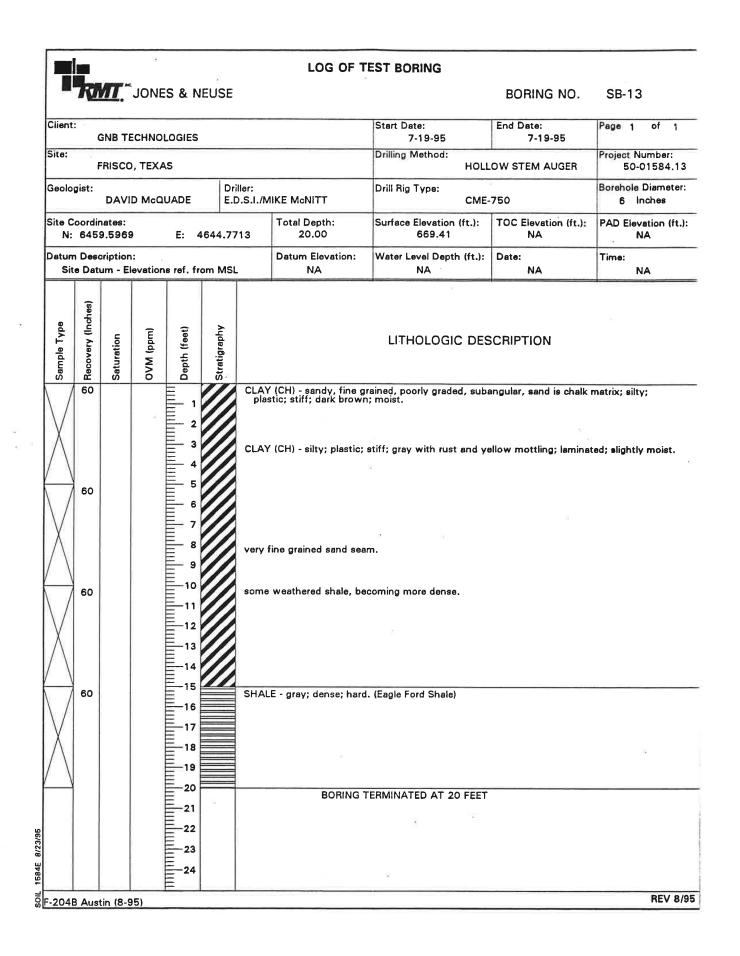


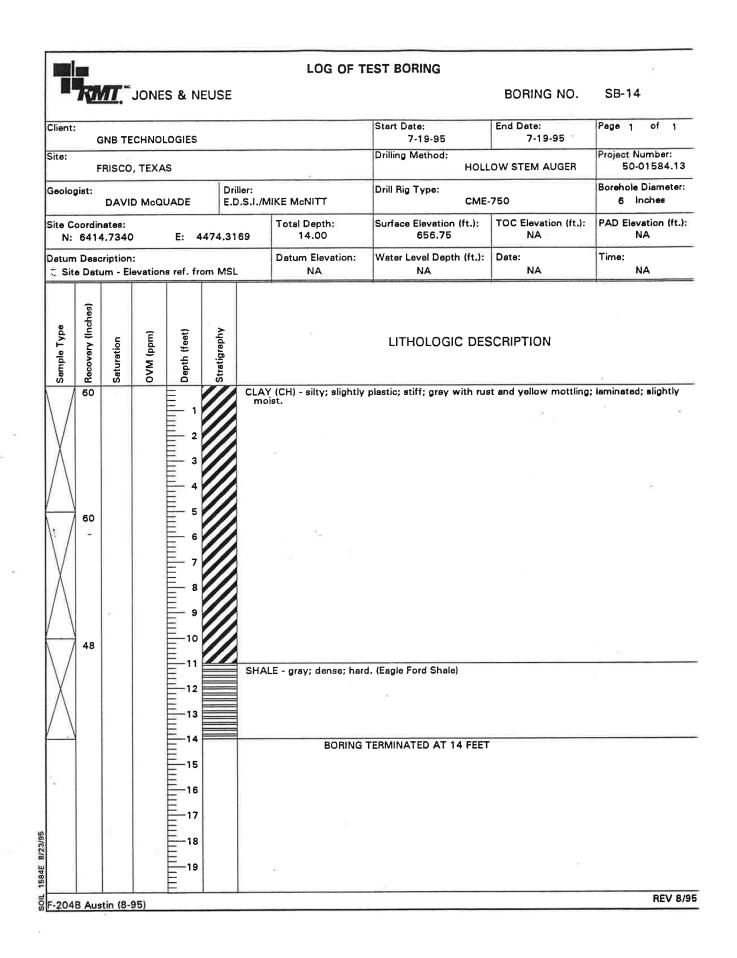


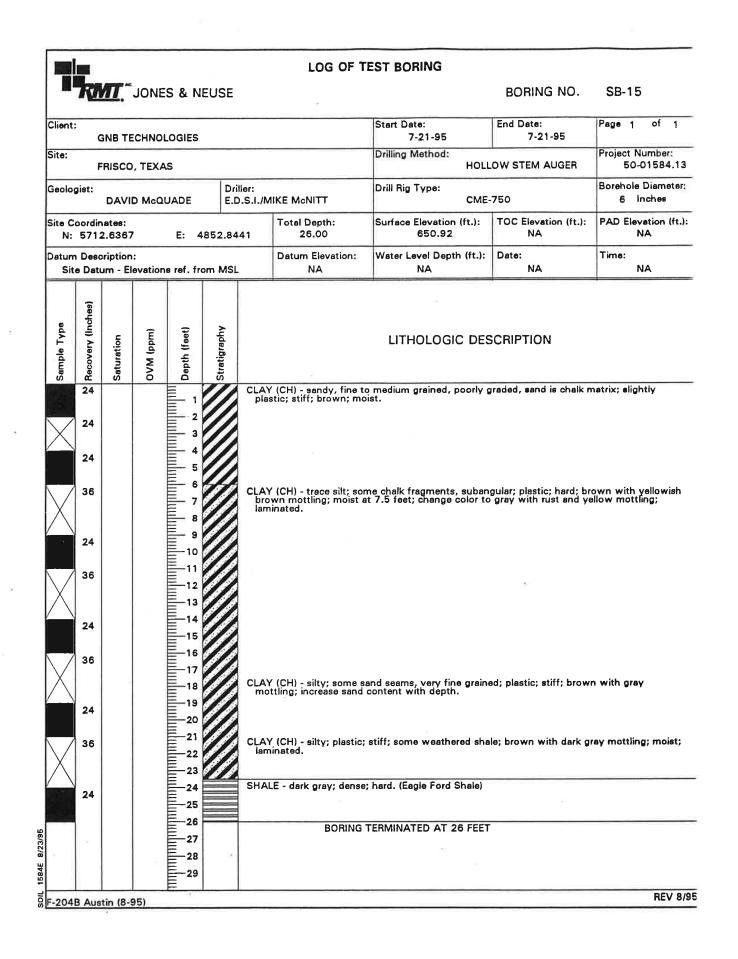


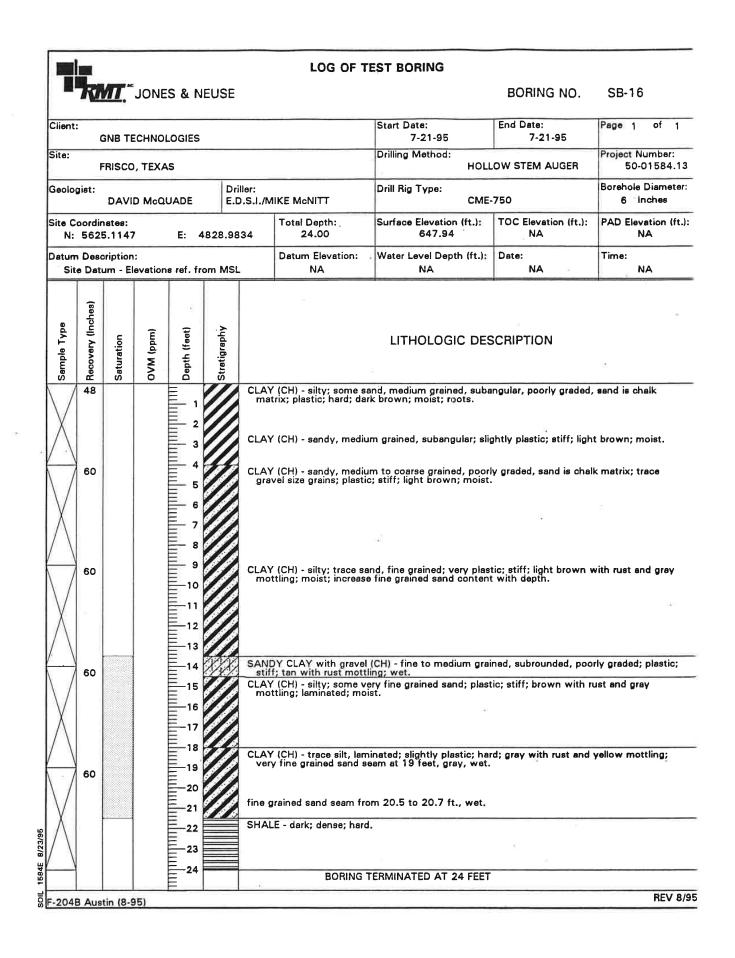
-	R	<u>/Л</u> ́	JONE	ES & N	IEUSI	Ē			BORING NO.	SB-11
Client:		GNB TE	ECHNO	LOGIES				Start Date: 7-19-95	End Date: 7-19-95	Page 1 of
Site:	F	RISCO), TEX/	AS				Drilling Method: HOLL	OW STEM AUGER	Project Numbe 50-0158
Geolog	jist:	DAVI	D McQ	UADE		oriller: .D.S.I./N		Drill Rig Type: CME	750	Borehole Diam 6 Inches
Site Co N:		nates: 0.1701		E: 4	4279.5	5396	Total Depth: 23.00	Surface Elevation (ft.): 655.15	TOC Elevation (ft.): NA	PAD Elevation NA
Datum Site				ns ref. fr	om M	SL	Datum Elevation: NA	Water Level Depth (ft.): NA	Dete: NA	Time: NA
	(8						-			
ed	Recovery (Inches)		-	÷	2			*	¢.	
Sample Type	very (Saturation	(mqq) MVO	Depth (feet)	Stratigraphy			LITHOLOGIC DES	CRIPTION	
Sam	Reco	Satu	NV0	Dept	Strat					¥:
\mathbb{A}	60			3 4 5 6 7 8 9 10 11 11				2	đ.	
\bigwedge	60			13 14 15 16		trace	weathered shale	ŧ		25
\bigwedge				17 18 19 20		silty a	sand seam, very fine	grained; some laminated la	yers of soft, very plas	tic clay; tan.
X	36			21 22 23		CLAY son SHAL	E - gray; dense; hard	ne grained; plastic; stiff; y ad shale, gray, dense, hard . (Eagle Ford Shale) ERMINATED AT 23 FEET	ellowish brown with ru	ust mottling; mo

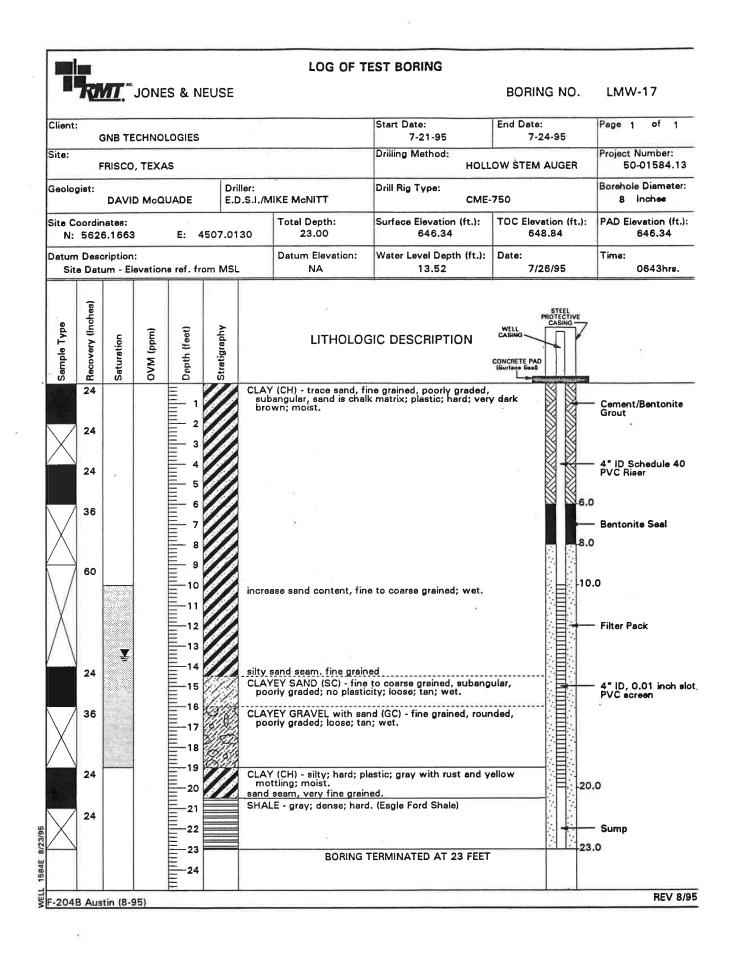


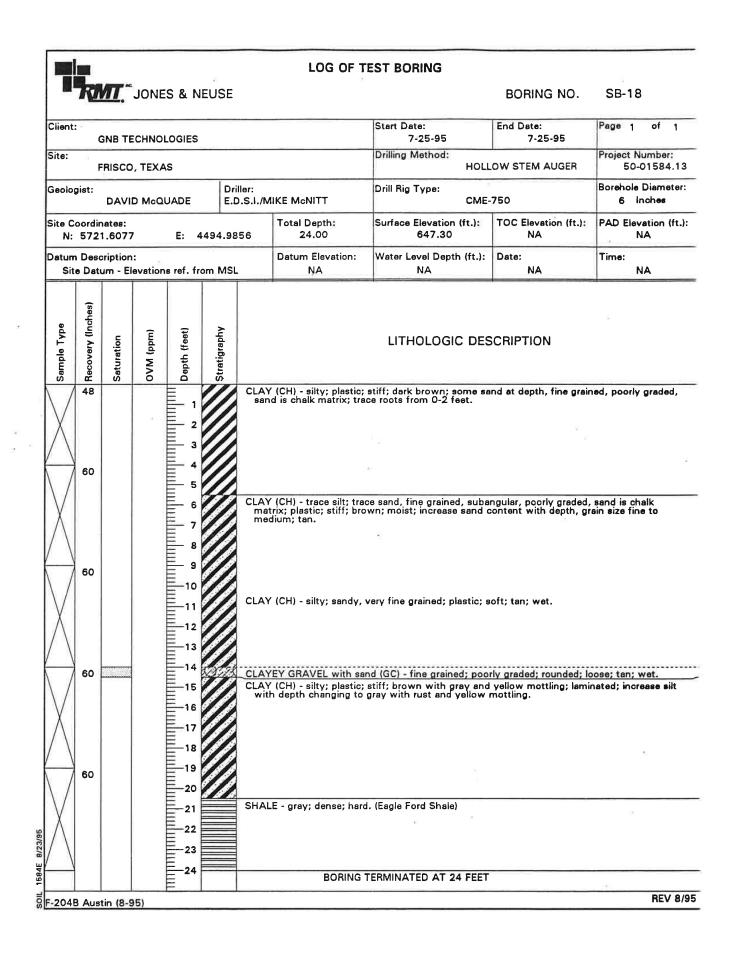












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Phase I RCRA Facility Investigation Boring Logs (Lake, 1991; Lake, 1993)

					RING, INC. Project Remedial Investigation 5.4.5 GNB, Incorporated - Frisco, Texas	Boring no.	P-1	_
_	_	_		-		Sheet Boring depth:	1 of 25.	
Drilli	ing	me	thc	ds:	8.0" Hollow Stem Auger Drill rig: CME-55	Well depth:	20.	0
Grou	und	wate		elevo	ation: 636.14 (msl) Date: 7/16/90 Surface elevation:	645.9	5 (ms)
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION		Recovery ² Daming	No. 200 Sieve
	CH				CLAY, dark brown, stiff, with calcerous pebbles, root zone to 5'			
 - 10 -	сн Сн			•	GRAVEL, clayey, calcerous, wet CLAY, silty, tan CLAY, silty, tan, with calcerous pebbles, moist			
- 15 -					<u>CLAY, silty, calcareous, with gravel</u> <u>CLAY, tan, very stiff, with pebbles</u> SHALEY CLAY, gray, orange staining on parting surfaces			
- 20 -	SH				SHALE, dark gray, fissile, brittle, yellow staining on parting surfaces, moist, pyrite nodule at 18.5'			
- - - 25 -	SH				SHALE, dark gray, fissile, brittle	L.		
30 - - -								
- 35 -						-		
	Lo	g	of	Bo	ring No. P-1 E = CHEMICAL ANALYSIS E = SIEVE ANALYSIS E = PERMEABILITY SAMPLE	PLATE		

Project no. 495.4.5 GNB, Incorporated - Frisco, Texas	oring no. P-2 Sheet 1 c	
	g depth: 2	22.
	depth: 2	20.
Groundwater elevation: 633.35 (msl) Date: 7/16/90 Surface elevation:	642.82 (r	msl
USC CLASSIFICATION USC SYMBOLS CONSTRUCTION SYMBOLS Samples	Recovery	% Dateina
CHE CLAY, dark brown, highly plastic, with small calcareous pebbles		
5 CH CLAY, brown mottled orange, with calcareous pebbles		
CLAY, silty, brownish gray, with calcareous pebbles SHALEY CLAY, plastic, moderately fissile, less weathered		
15 CH SHALEY CLAY, plastic, moderately fissile, less weathered at depth, selenite crystals found on parting surfaces SH SHALE, dark gray, fissile, very brittle	·	
20 - F SH LIMESTONE, layer, refusal at 22'		
30 -		
35 -		
Log of Boring No. P-2 $E = CHEMICAL ANALYSIS$ $E = SIEVE ANALYSIS$ $E = PERMEABILITY SAMPLE PT$	ATE	

				_	Is: 4.5" Split Spoon Completion date: 6/22/90 Boring depth:	6	52.0
		_	-		8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:		59.5
Gro	-	-		_	ation: 622.01 (msl) Date: 7/16/90 Surface elevation: 679.	40 (msl)
Depth (ft.)	USC CLASSIFICATION		CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passina
		HEFERE			LIMESTONE, (Austin Chalk Group), light brown		
- 5					CLAY, light brown, moderately dry		
	СН				SHALEY CLAY, light brown, calcareous, fissile		-
	- CH				SHALEY CLAY, dark gray, calcareous, fissile		
2	-SH				SHALE, dark gray, sand lense at 10.0'		-
- 10 - -	SH				SHALE, dark gray, hard, fissile, (refusal at 16', needed drilling method change from auger to mud rotary)		
- 15	SH				SHALE, dark gray		
- 20					3		
				•	<<< RIG CHANGE TO MOBILE B-53 >>>		
25					SHALE, dark gray		
35 -	SH			E	SHALE, dark gray		

LAKE Project			ERING, IN 95.4.5	1C.	Pro		Reme GNB,						o, Tex		Boring		B1- 2 a	
Samplin	g me	thod	s: 4.5 "	Split	Spoor	۱	Co	mplet	ion da	ite:	6/22	2/90		Bo	ring dep	_	_	52.0
Drilling	metho	ods:	8.0" H	Hollow	Stem	Au	ger Dr	ill rig:	: MO	BIL	E-53			We	ll depth	:	5	9.5
Ground	voter	elev	ation:	62	22.01	(msl) Dat	e: 7	/16/	/90	Su	rface	elevatio	ר:	67	79.4	n) O	msl)
Depth USC C	USC SYMBOLS CONSTRUCTION SYMBOLS	Samples			STI	٦A	TUI	M	DE	SC	CRI	>T∣	ÔN				Recovery	% Passing No. 200 Sieve
SH _ 40SH SH SH		₽ <u></u>	SHALE, SHALE, SHALE,	dark	gray													
		æ																
- <u>LS</u> - SH - 55 - 			LIMESTO SHALE, 56', sh										yer al					
 65 - - 70 -																		
Lo	g of	Bo	ring No.	B1-	-N		===	= SIE	EVE /	ANA	ANAL LYSIS	5		F	PLATE		-	

							فعريثون
						i st	345 345
•	Laki	E E	NGI	VEE	RING, INC. Project Remedial Investigation Boring to.	B -	1F
-						1 0	
					s: 4.5" Split Spoon Completion cate: 4/24/91 Boring cepth: 8.5" Hollow Stem Auger Drill rig: CME-55 Well cepth:		4.
8	Grou						
•	Depth (fl.)	USC CLASSIFICATION	USC SYMUULS CONSIRUCION STMIRTS	Samples	STRATUM DESCRIPTION	Recovery	Z Presing
		L L L		E	LIMESTONE, (Austin Chalk Group), Light Brown		
•		CHIN			OLAY, Light brown, weathered S-ALE, Dark gray w/ T/-" hard limestone lense @ 13.5'		
•							
•		SH			SHALE, Dark gray, Fossile, Calcareous		
•	- 20 -						
	1 25						
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
	2 41 47 8 195 4 18 20 04 10 5.4	SH T T T			SmAllE, Dark gray, Fossile, Colocreaus W/ The Imestone weathered lenses		
	2				•		+

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· · · · · · · · · · · · · · · · · · · ·		
	LAKE ENGINEERING, INC. Englect Remedial Investigation Boring to.	B-1F
•	CNP Incorporated - Frisco Texas	a 2 of 3
	Sampling methods: 4.5° Split Spoon Completion acte: 4/24/91 Boring cepth:	94.
	Drilling methods: 8.5" Hollow Stem Auger Orderig. CME-55 Well depth:	63.
		.8 (msi)
	STRATUM DESCRIPTION	
		covery Passina
•	Depth UISC CIA Sommerce	Recovery % Passir
		+
	STALE, Dark Gray, Fossile, Calareous w/(1/B'-1/4'') intermittent lenses of limestone	
•		
	- 40 - 1	
•		
		ļ
	SH S-A.F. Dork groy. Calcareous, A/ 1/4" pyrite nadules	┿╾┿
A	SHALE, Dork groy, Fossile, Calcoreaus w/ 6" weathered limestone lerise @ 47.0"	
	50 - 50	
	SH SHALE, Dork gray, Fossile, Coloreous 22 v/1" weathered limestone enses @ 53.5' and 57.0'	
•		
	- 55 -	
	sauend wing	
•		
	6) SH S-LE, Dork groy, Fossie, Colocrepus	
	w/ wetthered shale @ 62.0 - 63.0	
		
	SH SH SHALE, Dork gray, Fossie, Corcoreaus () / 1/4" weathered imestore erse @ 66.0' () / 1/4" = 100000000000000000000000000000000000	
	a wy sym wegatered acceptere as a colo	
•		
·		

Exide APAR Page 637 of 2984

	e contra de la con	
·····		
•	LAKE ENGINEERING, INC Project Remedial Investigation Boring no.	B-1R
		t 3 of 3
	Sampling methods: 4.5" Split Spoon Completion date: 4/24/91 Boring depth:	94.0
	Drilling methods: 8.5" Hollow Stem Auger Drilling: CME-55 Well depth:	63.8
	Groundwater elevation: 619.8 (msl) Date: 4/24/91 Surface elevation: 682. [z] [msl]	.8 (ms:)
•	(1) Huden (1) STRATUM DESCRIPTION	Recovery % Passing No. 200 Sinue
	SHALE, Dark gray, Fossile, Calcareous w/ 5" weathered limestone lense @ 74.5' - 75.0'	
	75 SHALE, Dark gray, Fossile, Calcareous	
	w,/ The intermittent imestone tenses from 75.0" - 76.0"	
	SHALE, Dark groy, Fossile, Colooreous	
•	95 SHALE, Dark gray, Fassile, Calcareous w/ fassils from 86.0' - 37.0'	
•		
•	- 95 -	
• (87)		
04 RAK 80. 435	-100-	
13 Kra-1954 (1110		
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
	Log of Boring No. B-1R = CHEMICAL ANALYSIS = SIEVE ANALYSIS = PERMEABILITY SAMPLE PLATE	

LAK	E EN	IGIN	NEE	RING, 1	INC.	Pro				nvesti			- T	Boring	no.	B-2	2R
	ect no			5.4.5				, מאופ	incor	porate	- 0		o, Texa	15	Sheet	1 0	
		-	-			Spoor				n date:	-	11/90		Boring de	epth:	_	9.0
	ng me					Stem					_			Well dept			7.0
	ndwat			ition:	6.	33.76	(msl)	Date	7,	/16/90)	Surface	elevation	: 6	542.7	9 (r	nsl)
Depth (ft.)	P USC CLASSIFICATION	CONSTRUCTION SYMBOLS	Samples							DES	CF	RIPT	ION			Recovery	% Passing No. 200 Sieve
					dry, d shale	 y	ous	pebble	es								
 - 10 - 			ŧ														
- 15 -	SH			SHALE													
- 20 - 																	
- 25 - 															-		
- 30 - 															-		
- 35 -	_og	of	Bo	ring No	ь. В -	-2R			CHI SIE PEF	EMICAL VE AN RMEABI	AN ALY:	IALYSI SIS ' SAMI	SPLE	PLAT	E		

		E E			ERING, 95.4.5	INC.	Pro	ject	Reme GNB,	dial In Incorp	vestig orate	jati d -	on - Frisc	o, Texa		ng no.	B-(
	_	_		_		5" Split	Spoor		Cor	noletion	date:	7	/21/90		Borino	depth:	t 1 c	14.0
	_	ng r	-	-		Hollow		_		_	_	-	21/30		Well di		_	4.0
			_	_	ation:		38.51			7/1	_	_	Surface	elevation		649.2		msl)
			LS				00.01		.,	.,,	0,00	-				043.2		
	Depth (ft.)	USC C		Samples			ST	RA	TUN	<i>I</i> D	ESC	CF	RIPTI	ÔN			Recovery	% Passing No. 200 Sieve
	-	CHIERE			CLAY,	, gray												
ł		CH		K	CLAY	, gray												
	- 5 -	CH		Ð	CLAY,	, gray,	sands	tone	e layer	s								
		CH			SHAL	EY CLA												
t	10 -																	
ł	-																	
ł																		
t	- 15 -																	
ł									3									
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$\left \right $	35 -															1		
195 B-3R PS 1=1		Log	g of	Bc	oring N	lo, B [.]	-3R			CHEN SIEV PERN	MICAL E AN MEABL	AL ALY LIT	NALYSIS 'SIS Y SAMF	S PLE	PL	ATE		

LAKE ENGINEERING, INC. Project Remedial Investigation Boring in GNB, Incorporated - Frisco, Texas	•. B-4R
Project no. 493.4.3	heet 1 of 1
Sampling methods: 4.5" Split Spoon Completion date: 7/11/90 Boring dept	
Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	
	1.40 (msi)
Depth ((T) DEPTH (T) DESCRIPTION STRATUM DESCRIPTION Somples Somples	Recovery % Passing No. 200 Sieve
CLAY, dry CLAY, dry SHALEY CLAY SHALE, dark gray	
- 30	
Log of Boring No. B-4R B = CHEMICAL ANALYSIS E = SIEVE ANALYSIS E = PERMEABILITY SAMPLE PLATE	

Proj	ject no	o.	49	RING, INC. Project Remedial Investigation 5.4.5 GNB, Incorporated - Frisco, Texas	Sheet	B-51 1 of	1
		_	_		Boring depth:	19	_
					Well depth:	16	-
Grou	undwat Tzl			ation: 621.05 (msl) Date: 7/16/90 Surface elevation:	629.97		
Depth (ft.)	USC CLASSIFICATION	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION			No 200 Siava
	A CONTRACTOR STATE			CLAY, silty, dark brown, calcareous, with sand size calcareous particles	-		
 - 10 -	CHINING		+	CLAY, silty, very soft, moist, blocky SILT, clayey, sand size calcareous particles			
- 15 -				GRAVEL, dense clay interfill, calcareous, wood fiber and sand size calcareous particles at 12.0-13.0' SHALEY CLAY, yellow staining on parting surfaces, 3"			
20 -	CH		-	seam of clayey gravel at 19.0' SHALE, dark gray, fissile, brittle 19.25-19.50'			
- 25 - -					-		
- - - - -					-		
- 35 -	-				-		
	Log	of	Bc	nring No. B-5N ⊕ = CHEMICAL ANALYSIS ⊕ = SIEVE ANALYSIS ⊕ = PERMEABILITY SAMPLE	PLATE		

LA F Proj					RING, INC. Project Remedial Investigation 5.4.5 GNB, Incorporated - Frisco, Texas	Boring no.	B-7	
	_	_	-	_	s: 4.5" Split Spoon Completion date: 5/10/90	Boring depth:	t 1 of 25	1 5.0
Drill	ing	me	tho	ds:	8.0" Hollow Stem Auger Drill rig: CME-55	Well depth:	24	4.0
Grou	undv	vate	er e	eleva	ation: 634.66 (msl) Date: 7/16/90 Surface elevation:	644.0)8 (m	ısl)
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION		Recovery	% Passing
	CH				CLAY, dark brown to brown, calcareous, increase in amount and size of calcareous particles at depth			
	CH		•	•	CLAY, gray mottled tan, slightly moist, blocky, with calcareous pebbles			
-	СН			=	CLAY, gray mottled tan, calcareous, fewer and smaller calcareous particles pebbles than above			
15 - - -	CH				crystals on parting surfaces			
- 20 - - -	SH			•	SHALE, dark gray, clayey, moist, very brittle,less brit- tle and more fissile at depth, shell fragments 23-25'			
25 - - -	-		-	Ħ				
- 30 - - -								
35 -								
	Lo	g	of	Bo	ring No.B-7NE = CHEMICAL ANALYSISE = SIEVE ANALYSISE = PERMEABILITY SAMPLE	PLATE		

				ERING, INC. Project Remedial Investigation Boring no. GNB, Incorporated - Frisco, Texas	B-8	3N
_	-		_	95.4.5 GND, Incorporated - Frisco, Texas ds: 4.5" Split Spoon Completion date: 5/15/90 Boring depth:	et 1 c	of 1 20.0
_	_		_	8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:		4.0
		_	_	vation: 618.89 (msl) Date: 7/16/90 Surface elevation: 626.9		msl)
(.t.)	CLASSIFICATION		construction symbols Samples		Recovery	Passing 200 Sieve
Depth	USC 0	nsc	Samples		Rec	R Z
	СН			CLAY, dark brown, highly plastic, calcareous, shell fragment at 3'		
- 5 -						
	СН			CLAY, dark brown, highly plastic, with calcareous pebbles		
	СН			SHALEY CLAY, gray, highly plastic, calcareous, light yellow and orange weathering on parting surfaces		
- 10 -	СН			SHALEY CLAY, gray, yellow weathering on parting surfaces		
-	СН			SHALEY CLAY, dark gray, light yellow staining on parting surfaces	-	
- 15 -	SH	4		SHALE, dark gray, fissile, thin sand lenses		
	SH			SHALE, dark gray, brittle, fissile, very dry		
	SH		++	SHALE, dark gray, moderately fissile		
- 20						
-						
25 -						
- 30 -						
-						
- 35 -						
55 -						-
	Lo	g c	of Bo	Dring No.B-8NE = CHEMICAL ANALYSISE = SIEVE ANALYSISE = PERMEABILITY SAMPLEPLATE		

_	_	_			s: 4.5" Split Spoon Completion date: 6/12/90 Boring depth: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	
	_		_	_	ation: 628.45 (msl) Date: 7/16/90 Surface elevation: 637.	02
Gru		-			628.43 (ms) bute. //10/90 Sundce elevation. 65/.	J2 T
Depth (ft.)	USC CLASSIFICATION	1 4 4	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery
	- Cł	-	×		CLAY, dark to medium brown, calcareous, sand to gravel size calcareous pebbles	
- 5	- - - - - - - - - - - - - - - - - - -			HU Î	SAND, silty, clayey, calcareous, with gravel size pebbles	
10					SHALEY CLAY, gray, orange staining on parting surfaces	
15	- S+ - - -			•	SHALE, dark gray, fissile, very brittle, interbedded with sand layers 17.5—18.0'	
- 20 -						
- 25						
- - - 30 -						
- - - 35						

LAKE ENGINEERING, INC.ProjectRemedial InvestigationBoring no.Project no.495.4.5GNB, Incorporated - Frisco, TexasShe	MW10 et 1 of 1
Sampling methods: 4.5" Split Spoon Completion date: 6/13/90 Boring depth:	
Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	17.0
Groundwater elevation: 637.95 (msl) Date: 7/16/90 Surface elevation: 645	.12 (msl)
Depth (tf.) Depth (tf.) Depth (tf.) SUBOLS Samples Samples	Recovery % Passing No. 200 Sieve
CLAY, dark to medium brown, with calcareous pebbles CLAY, sandy, brown to brown mottled orange, with calcareous pebbles	
CHE CLAY, gray mottled orange-brown, dense, highly plastic	
CHE SHALEY CLAY, gray, moist, yellow and orange staining on parting surfaces	
SHALE, dark gray, fissile, brittle, selenite crystals on parting surfaces	
Log of Boring No. MW10 = CHEMICAL ANALYSIS = SIEVE ANALYSIS = PERMEABILITY SAMPLE PLATE	

				RING, INC. Project Remedial Investigation GNB, Incorporated - Frisco, Texas	Boring no.	M٨	
-	ect no		_	0.4.0	Sheet Boring depth:		f 1 9.0
	ing me		-		Well depth:		7.0
Grou	undwote	er e	elevo		625.5	8 (r	nsl)
Depth (ft.)	USC CLASSIFICATION USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION		Recovery	% Passing No. 200 Sieve
	<u>9</u> 1000000000000000000000000000000000000	\otimes		CLAY, dark brown, dense, highly plastic, calcareous, blocky with calcareous pebbles, shell fragment at 18.0" CLAY, dark to medium brown, highly plastic, calcareous,			
				moist, larger calcareous pebbles at depth GRAVEL, sandy, clayey, calcareous			
				CLAY, light brown to gray, moist, highly plastic			
- 15 -	SH		E	SHALE, dark gray, brittle, fissile			
- 20 -							
- 25 -							
- 30 -							
- 35 -							
	Log	of	Во	ring No. MW11 ₩ = CHEMICAL ANALYSIS ₩ = SIEVE ANALYSIS ₩ = PERMEABILITY SAMPLE	PLATE		

	_		-	-	4.5" Split Spoon Completion date: 6/19/90 Boring depth:		8.5
Drilli	-	-	-				8.5
Grou				levo	tion: 624.43 (msl) Date: 7/16/90 Surface elevation: 633.9	4 (r	msl) I
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing
	СН				CLAY, medium brown, firm, calcareous pebbles		
5	СН				CLAY, medium brown, firm, calcareous pebbles		
10 - - -	СН			E	CLAY, medium brown, firm, calcareous pebbles		
_	СН		TUTUTU	-	SHALEY CLAY, brown to gray, yellow and orange weathering on parting surfaces LIMESTONE, very hard, 1" layer-12'		
15 -				•=			F
	SH				SHALE, dark gray, fissile		F
- 20 - - 25 - - -	SH				COMPOSITE LOG, 0—12.0' 1st, 12.0—18.5' 2nd, 6' offset NW		
- 30 - - 35 -							

LAF	Œ	ENGI	NEE	RING, INC. Project Remedial Investigation Boring no. EA.E GNB, Incorporated - Frisco, Texas	MW	/13
Proj	ect	no.	49	5.4.5 GNB, Incorporated – Frisco, Texas Shee	t 1 o	f 1
Sarr	pling	g met	thod	s: 4.5" Split Spoon Completion date: 6/18/90 Boring depth:	2	25.0
Drilli	ing r	netho	ods:		2	2.0
Grou	undw	ater	elev	ation: 620.94 (msl) Date: 7/16/90 Surface elevation: 636.1	7 (r	nsl)
Depth (ft.)	2 USC CLASSIFICATION	USC SYMBOLS CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing No. 200 Sieve
	СН			CLAY, dark brown, fill CLAY, dark brown, dense, stiff		
	CL			CLAY, moist, loose, blocky CLAY, dark brown, dense, stiff CLAY, silty, dark brown, loose, moist, sand layers 8.0' and 9.0', shell fragments 11.0' and 12.0'		
 - 15 - 	CH			CLAY, dark brown, calcareous, stiff, no recovery 13.5- 15.0' CLAY, silty, dark brown, calcareous		
 - 20 - 	SC GM			SILT, clayey, brown, calcareous GRAVEL, silty, sandy, wet		
F	СН			SHALEY CLAY, gray, yellow staining on parting surfaces		
- 25 - - 25 -	SH	2_		SHALE, dark gray		. <u>.</u>
- 30 -						
- 35 -						
	Lo	g of	Bo	pring No. MW13 HE = CHEMICAL ANALYSIS HE = SIEVE ANALYSIS HE = PERMEABILITY SAMPLE PLATE		

3

						ERING, INC. Project Remedial Investigation GNB, Incorporated — Frisco, Texas	Boring no. Sheet	MW	
S	am	ıplin	g m	net	hoc	ds: 4,5" Split Spoon Completion date: 6/18/90	Boring depth:	2	0.0
	Drilli	ing	met	ho	ds:	8.0" Hollow Stem Auger Drill rig: CME-55	Well depth:	1	7.0
G	FOL				elev	vation: 622.77 (msl) Date: 7/16/90 Surface elevation:	629.8	9 (r	msl)
(H) (H)	nepru (III.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples			Recovery	% Passing No. 200 Sieve
	5 -	CH		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 1	CLAY, dark brown, blocky, calcareous, with calcareous pebbles CLAY, sondy, gravelly, brown, slightly moist, dense, stiff			
		СН			H	CLAY, slightly silty, light brown mottled gray, calca- reous pebbles, weathered limestone layers 13' and 13.5'			
Ē	10 - M								
F	-	СН			_	CLAY, gray mottled brown			•
-	5 -	мн Сн			+	<u>SILT, clayey, moist</u> SHALEY CLAY, dark gray, dry, brittle, yellow staining on			
Ē	1					parting surfaces			
F	5	SH	1			SHALE, dark gray, brittle, fissile		_	
F	1		A				-		
2	0 -		4	-					
Ē							Į		
F	_								
F	-						-		
- 2	5 -						F		
[]						Į		
-									
F	-						-		
- 30	o -						-		
F	-						ł		
Ε									
L	_								
- 35	5 -						ŀ		
							-		
							ŀ		
1=1:34 MM4 DS:1=1		Lo	g c	of	Bc	Image: Sing No. MW14 Image: Sing No. Sing No. Image: Sing No.	PLATE	-	

Som	plin	g m	et	hod	:: 4.5" Split Spoon Completion date: 6/11/90 Boring depth:		2.0
Drilli	ng	met	ho	ds:	8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	2	2.0
Grou	indw	ote	rе	elevo	tion: 617.05 (msl) Date: 7/16/90 Surface elevation: 624.99	9 (m	nsl)
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing
5 (1) (1) (1) (1)	СН				CLAY, dark brown, moist, calcareous, blocky CLAY, dark brown, blocky, moist, highly plastic, loose,		
5 -				L	shell fragments		
10 - - -	CH				CLAY, silty, sandy, dark gray, loose, very moist CLAY, stiff, sand size calcareous pebbles		
15 -	CH GW				CLAY, silty, dark brown mottled gray, calcareous, calcareous pebbles GRAVEL, sandy, well graded, well rounded, calcareous, wet, clayey at 17.5-18.5'		
- 20 - -	SH			•	SHALE, dark gray, weathered		
- 25 - -				27	2 		
30 -							
- - 35 -							

				ERING, INC. Project Remedial Investigation GNB, Incorporated - Frisco, Texas	Boring no. Sheet	MW	
	-	_			oring depth:	_	9.0
Drilli	ing	meth	nods:	8.0" Hollow Stem Auger Drill rig: CME-55 W	ell depth:	7	7.5
Grou	undv	vater	elevo	ation: 562.54 (msl) Date: 7/16/90 Surface elevation:	627.9	3 (r	nsi)
Depth (ft.)	USC CLASSIFICATION		construction symbols Samples	STRATUM DESCRIPTION		Recovery	% Passing No. 200 Sieve
	CH			CLAY, dark brown, blocky, calcareous, calcareous pebbles			
	CH		ŧ	CLAY, dark brown, moist, blocky			
- 10 -	СН			CLAY, brown, blocky, calcareous pebbles			
15 -	СН			CLAY, sandy, silty, gravelly, wet			
	CH SH			SHALEY CLAY, gray with yellow and orange staining on parting surface SHALE, dark gray, brittle, fissle, grading to less			
20 -				brittle, yellow weathering on parting surface			
-	1	1					
25 - - -	SH			SHALE, dark gray, shell fragments at 28.0' ((Rig change to Mobile B—53 for rock coring))			
- 30 - -			E				
- - 35 -							
	Lc	yg o	of Bo	pring No. MW16 ₩ = CHEMICAL ANALYSIS ₩ = SIEVE ANALYSIS ₩ = PERMEABILITY SAMPLE	PLATE		

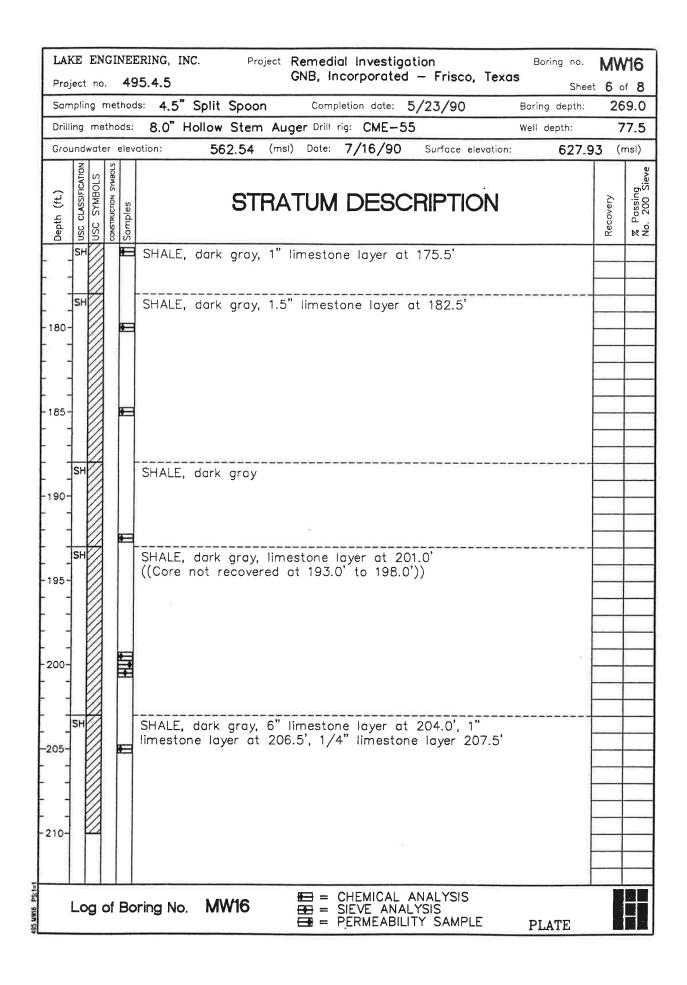
	inc		_	_	4.5" Split Spoon Completion date: 5/23/90	Boring depth:	20	9.0
Grou	n y	met	ho	ds:	8.0" Hollow Stem Auger Drill rig: CME-55	Well depth:	7	7.5
0.00	undv			leve	tion: 562.54 (msl) Date: 7/16/90 Surface (elevation: 627.	93 (1	msl)
Depth (ft.)			CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION		Recovery	% Passing
-	SH				SHALE, dark gray, 1/4" clay layer at 36.0' and 3	37.0'		14
40 -	SH		Ē	E	SHALE, dark gray, calcareous particles on parting surface from 42.0' to 136.0'	g		
45 - - -	SH		8		SHALE, dark gray, pyrite found at 48.5', 4" limes layer at 53.0'	stone		
- 50 - -			8		34			
- 55 - -	SH		R		SHALE, dark gray, sandstone layers at 59.5' and clay lense at 62.0', sandstone layers at 64.0' an	61.5' 64.5'		
60 - -			1					
- 65 - -	SH		H.		SHALE, dark gray, limestone layers at 66.0', 66.5 68.0'	5', and		
- - 70 -								

LAF Proj				ERING, I 95.4.5	NC.	Proj	ect Remed GNB, I		gation ed — Frisco,	Texas	Boring no. Shee	MW	
Sam	nplin	g me	ethod	s: 4.5	* Split	Spoor	Com	pletion date:	5/23/90	Bo	ring depth:		69.0
Drilli	ing	meth	ods:	8.0"	Hollow	Stem	Auger Drill	rig: CME-	55	We	ell depth:	7	7.5
Grou	undw	ater	elev	ation:	56	2.54	(msl) Date:	7/16/90) Surface el	evation:	627.9	3 (msl)
Depth (ft.)	$1 \sim 1$	USC SYMBOLS				ST	RATUN	1 DES	CRIPTIC	ÓN		Recovery	% Passing No. 200 Sieve
	SH			SHALE	, dark	gray,	limestone	layers at	73.0' and	73.5'			
- 73 - - 80 -	SH			SHALE 84.5',	, dark sand	gray, layers	limestone at 82.0' d	layers at and 84.0'	76.5', 79.0	', and			
- 85 -	SH		æ	SHALE	, dark	gray,	limestone	layer at	86.0'				
90 - - - - 95 -	SH		•	SHALE	, dark	gray,	limestone	layers at	96.0', 97.0	 ,			
 -100- 				103.0'	, and ⁻	104.0'							
-105-			€ -9										
	Lo	g o	f Bo	oring No	o. M	W16	₩ <u></u> = = = = =	SIEVE AN	_ ANALYSIS IALYSIS IILITY SAMPL	-E	PLATE	ľ	

LAK Proje				ERING, 95.4.5	INC.	Pro			ial Inve ncorpor			o, Texa		ring no. Shee	MW et 4 c	
		_			5" Split	Spoor	1	Com	pletion da	te: 5/	23/90		Boring	g depth:		<u>9.0</u>
	_	-	hods:		_			r Drill	rig: CM	E-55			Well d	depth:	7	7.5
Grou	undv	vater	elev	ation:	5	62.54	(msl)	Date:	7/16/	/90	Surface	elevation	1:	627.9	93 (1	msl)
Depth (ft.)	USC CLASSIFICATION		construction symbols Samples			ST	RAT	ŪN	IDE	SCF	RIPTI	ÓN			Recovery	% Passing No. 200 Sieve
 - 110-	SH			sond	stone	< gray, ayer a < gray,	t 108.	75' c		it 107. .0'		108.0	,			
 - 115- 	SH		ŧ.	SHAL	E, darl	< gray,	limes	stone	layers							
- 120-	SH		6	SHAL	E, darl fragm	k gray, nents f	thin ound	limes in lim	tone la nestone	yers ti layers	hrough	out				
- 125- - 130- 	- - - - -		•	SHAL		k gray, nd 136	limes	stone	layers,	fractu	ures at	t 60				
 -135- 	- - - - - -		•					, den	se, non		 preous					
	SH		0	SHAL	E, dar	k gray,	non-		areous							
	Lo	og (of B	oring	No. N	/W16		\blacksquare =	CHEMI SIEVE PERME	ANAL	YSIS		P	LATE		

LAKE ENGINEERING, INC.ProjectRemedial InvestigationBProject no.495.4.5GNB, Incorporated - Frisco, Texas	Boring no. MW Sheet 5 of	
	ng depth: 269	_
	depth: 77	7.5
Groundwater elevation: 562.54 (msl) Date: 7/16/90 Surface elevation:	627.93 (m:	sI)
Depth (ft.) USC SYMBOLS CONSTRUCTION SYMBOLS SOUTPLES SOUTPLES	Recovery	% Passing No. 200 Sieve
SHALE, dark gray, non-calcareous particles		
SHALE, dark gray, solid, non-calcareous SHALE, dark gray, non-calcareous SHALE, dark gray, non-calcareous		
SHALE, dark gray, 1.5" limestone layer at 173.0'		
Log of Boring No. MW16 = CHEMICAL ANALYSIS = SIEVE ANALYSIS = PERMEABILITY SAMPLE PI	LATE	

÷,



-	ect r	_	_	5.4.5			_					isco, T			_	t 7 a	_
_			_	s: 4.5" 8.0" H						_		/90		oring c			59.0
_			_	ation:	_	_	_	_	7/10	_		ace elevat		ell dep			77.
						2.34	(1131)	Dute	//10	5/90	Sund		tion:		627.9		msi) T
Depth (ft.)	USC CLASSIFICATION	CONSTRUCTION SYMBOLS	Samples		_							TION	١			Recovery	% Passing
	SH		•	SHALE,	dark	gray,	lime	stone	layer	at 2	14.0'						
- 220- - 220- 	SH			SHALE, 228.0'	dark	gray,	1/2'	' lime	stone	layer	ot 22	.7.5' an	nd				
 - 230-	SH		æ=	1/4" lir	nestor	ne laye	er at	t 237.	0'								
			Ð												-		
	SH I I I I I I I I I I I I I I I I I I I			SHALE, several	dork siltsto	gray, me lay	1/2" yers	siltst ot 24	cone 10 0.0' a	nd 2	at 239 41.0'	.0',					
Ĺ	.og	of	Boi	ring No.	MW	/16		H =	SIEVE	ANA	ANALY LYSIS ITY SA			PLAT	E		

	KE E ect			ERING, INC. Project Remedial Investigation GNB, Incorporated — Frisco, Texas	Boring no.	M۷	
		_	-		Boring depth:	8 o	9.0
		netho			Well depth:	_	7.5
-				ation: 562.54 (msl) Date: 7/16/90 Surface elevation:	627.9		nsl)
	Z	S			027.3	<u> </u>	
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION		Recovery	% Passing No. 200 Sieve
	SH			SHALE, dark gray			
- 250-	SH			SHALE, dark gray, siltstone layers at 250.0' and 251.0'			
	SH			SHALE, dark gray ((Core not recovered from 256.0' to 259.0'))			
- 255-	SH			SHALE, dark gray, siltstone layers at 260.0' and 264.0' limestone layers at 264.0' and 268.0', EOB at 269.0'			
- 260-			€				
				24			
- 265-							
 - 270-							
 -275-							
t :							
- 280-							
<u> </u>							
	Lo	g of	Bo	pring No. MW16 ⊕ = CHEMICAL ANALYSIS ⊕ = SIEVE ANALYSIS ⊕ = PERMEABILITY SAMPLE	PLATE		

			CRING, INC. Project Remedial Investigation GNB, Incorporated - Frisco, Texas	5	MW	
	npling me			Sheet Boring depth:	<u>1</u> °	f 1 9.0
-		-		Well depth:	_	7.0
Gro	undwater	elev	ation: 620.31 (msl) Date: 7/16/90 Surface elevation:	627.5	51 (n	nsl)
Depth (ft.)	USC CLASSIFICATION USC SYMBOLS CONSTRUCTION SYMBOLS		STRATUM DESCRIPTION		Recovery	% Passing No. 200 Sieve
			CLAY, dark brown, blocky, highly plastic, clacareous CLAY, silty, dark brown, blocky, highly plastic, calcareous			
- 10 -			CLAY, dark brown, blocky, calcareous pebbles at 11.5' and 12.5'			
- 15 -			GRAVEL, clayey, sandy, well rounded, calcareous SHALEY CLAY			
- 20 -	SH		<u>SHALE, dark gray, weathered, fissile</u>			
	Log of	Во	ring No. MW16S	PLATE		

	_		_		Boring depth:		19
_	_	_	_		Well depth:		17
Gro			_	evation: 620.83 (msl) Date: 7/16/90 Surface elevation:	628.5	8 (m:
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS Somples	STRATUM DESCRIPTION		Recovery	
	CH			CLAY, silty, dark brown, blocky			
5 -	CH			CLAY, dark brown to brown, sand size calcareous pebble	es		
-	CHE			CLAY, very soft, blocky, moist			-
- 10 - -	II.I.I.I		æ	bies verying in grain size norn sond to graver)—		
			Æ				
- 15 - -	CHarananananan		•	SHALEY CLAY, dark gray, light yellow staining on parting surfaces			
-	SH	9					
- 20 -		4-	-	<u>SHALE, dark gray</u>			┝
						_	
-							-
-							
25 -					-		
]					ł		-
-					ļ		
30 -					ł		-
1					į		
-					ŀ		
					F		
35 -					F		
					ŀ		-

Pro	oject	no		49		MW eet 1 of	
			_		ds: 4.5" Split Spoon Completion date: 6/12/90 Boring depth:	18	8.0
	ling		-			15	5.5
Gro		wate		elev	ration: 626.17 (msl) Date: 7/16/90 Surface elevation: 631.	84 (m	nsl)
Depth (ft.)		USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples		Recovery	% Passing No. 200 Sieve
	- - - - - -		8		CLAY, dark to light brown, with calcareous pebbles GRAVEL, clayey, sandy, dense, calcareous		
 	-CH				CLAY, gray mottled orange, moist, very plastic, inter— bedded with light yellow slit laminae		
	CH				SHALEY CLAY, gray mottled orange-brown, some interbedded light yellow silt and iron stained laminae		
15 -	SH				SHALE, dork gray, wet		
20 -							
- 25 -					at a		
30 -							_
- 35 -							
	Lo	g c	of I	30	ring No. MW18		

Exide APAR Page 662 of 2984

Appendix 3

Monitoring Well Development and Purging Data

GRO	UNDWA1	ER SAMP	LING	7 RE	CORD		PAGE of			
Project N	umber:	1732	Project	Name:	Exide Frisco R	ecycling Center	r	Date: 1-17-12		
Sample I	Number: 20	12- B46	2		Starting Water Level (ft. BMP):					
Samplin	Location (we	II ID, etc.):	34R			Casing Stickup	o (ft.):			
Sampled	by: JTB				Starting Water Level (ft. BGL):					
		of Well: TOC	IPU	Ċ	Total Depth (ft. BOL): BMP 11.80					
	Interval (ft. E		1		Casing Diameter (In ID): 410					
Filter Pa	ck Interval (ft.	BGL):			Casing Volume (gal.):					
QUAL	ITY ASSU	RANCE								
METHO	DS (describe)	:								
Cleani	ng Equipment	ι ο Ο.		new	- equil					
Purgin	g: D	erastaltic	i pi	inp	Sampling:		Dame			
Dispos	al of Discharg	ged Water:	1	55	- gallo	n duun				
INSTRU	MENTS (Indica	ate make, mode	l, I.d.)		5					
Water	Level:	Kech			Thermometer:	Y	51556			
pH Me	ter: <u> </u>	51 556			Field Calibrati	ion:	7-4			
Condu	ctivity Meter:	4515	556		Field Calibrat	ion: 🔶 🗍	413			
Filter	/ Filter Size:	DALCON			Other:					
SAMP	SAMPLING MEASUREMENTS									
0911 Time	Cum. Vol. (gal. or L)	Purge Rate (gal. or L/m)	Temp. (oC)	pН	Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	Dio Remarks orp		
<u> </u>		(gal. of the find			482		Nilta			
0821			16.1	7.68		tan	11 d	076 -160		
0826			16.3	7.71	\$516					
	welli	2 aguna	di		Will 1	DUNGO U	yel dry	and retu		
	to a	L. Apunca	LIM	1	f win 1	punge in	per any	and perso		
	-10 1)a	in a constant								
Water L	evel (ft. BMP)	at End of Purge	:			Sample Intake	e Depth (ft. BM	P):		
	LE INVE									
		les Collected			Filtration	Preservation		Remarks		
Time	Volume	Composition	(G, P)	No.	(Y / N)	(type)		ontrol sample, other)		
0950	250 ml	Р		1	N	None		DS, Sulfate		
) BABC	500ml	Р		1	N	HNO ³		al Cd, Total Pb		
PESC	500ml	P		1	Y	HNO ³	Dis	s Cd, Diss Pb		
	100	C 11 - 10	e 1.0	10		Pastor Rel	 nling & Wheele	et. LLC		
Comme		SULFATI		1 TO 10	-	•	Creek Dr., Su	-		
LOU	LECTED		ENDL		4		lock, Texas 78			
WH	IERC FDI	r mena	usi	D155	-1	Round F ne: (512) 671-3	•	512) 671-3446		
RAPO	NEN				P101	ue: (512) 071-3):XB1 POFC	514 011-5440		

-				_					
GROUN	DWA1	TER SAMP	LIN	G RE	CORD	DRD PAGE of			
Project Num	ber:	1732	Project	Name:	Exide Frisco F	Recycling Cente	r	Date: 1-17-12	
Sample Nun	nber: A	012 - B51				Starting Water	Level (ft. BMP)	9,89	
Sampling Lo	ocation (we	/	3SN	[Casing Stickup	o (ft.):	· · · · · · · · · · · · · · · · · · ·	
Sampled by:	ITB					Starting Water	Level (ft. BGL)	:	
Measuring F	Point (MP)	of Well: TDC	1PL	1C		Total Depth (ft	BOLT: BINP	18,98	
Screened In	terval (ft. E	3GL):	8			Casing Diamet	er (In ID):	4:0	
Filter Pack I	nterval (ft.	BGL):				Casing Volume	e (gal.):		
QUALIT	Y ASSU	RANCE							
METHODS	(describe)	:			~	i.			
Cleaning I	Equipment			new	equip	ment			
Purging:	p	erastatic	pu	rup.	Sampling:	DA	MR		
Disposal o	of Discharg	ged Water: 55	- 'ac	alla	1 dun				
INSTRUME	NTS (Indica	ate,make, mode	l, I.d.))						
Water Lev	el:	Filch			Thermometer:	15	1556		
pH Meter:	4	51 556	- /		Field Calibrat	ion:	-4		
Conductiv	vity Meter:	4SL S	56		Field Calibrat	ion:	413		
Filter / Fi	lter Size:	OMICROM			Other:				
SAMPLI	NG ME.	ASUREMEN	ITS						
	um. Vol gal. of L)	Purge Rate (gal. of L/m)	Temp. (oC)	pН	Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	DO Remarks off	
1558	seu. 01 11/	(Bar. of 17 m)	18.4		2130		26	1,36 -74	
103		<u></u>	18.7	7,36		Horage	27		
1608			18.6	7.39	2170		27	,3 -76 ,3 -76	
1000		{	1016	1.51	2160			11/1 100	
Water Level	(ft BMP)	at End of Purge:	10.	20		Sample Intake	Denth (ft. BM	P): 1'OFF BOTTOM	
SAMPLE			1010	-0	2	Stampre mitan	bopar (in bin		
		les Collected			Filtration	Preservation		Remarks	
Time	Volume	Composition	(G, P)	No.	(Y / N)	(type)	(quality co	ontrol sample, other)	
1620	250 ml	Р		1	N	None	Т	DS, Sulfate	
1620	500ml	Р		1	N	HNO ³	Tota	al Cd, Total Pb	
1620	500ml	Р		1	Y	HNO ³	Dis	s Cd, Diss Pb	
Comments:						Pastor, Beh	ling & Wheele	er, LLC	
						2201 Double	Creek Dr., Su	ite 4004	
						Round R	ock, Texas 78	664	
					Phor	ne: (512) 671-3	434 Гал: (5	512) 671-3446	

GROU	JNDWAT	ER SAMP	LING	REC	CORD		PAGE	of	_		
Project N	umber:	1732	Project I	Name:	Exide Frisco R	ecycling Center		Date: - [6-12		
Sample N	2012	J-12				Starting Water	Level (ft. BMP)	: <u>8</u>	162		
		11 ID, etc.): M	W-1:	2		Casing Stickup	(ft.):	1,0	5		
Sampled	1-0					Starting Water Level (ft. BGL):					
Measurin	g Point (MP)	of Well: TDC	PUC	•		Total Depth (ft.	BELT: BMP	19,5	51		
Screened	Interval (ft. E	BGL):	1			Casing Diameter (In ID): <u> </u>					
Filter Pac	k Interval (ft.	BGL):				Casing Volume	(gal.):	-			
QUAL	ITY ASSU	RANCE									
METHO	DS (describe)					a					
Cleanir	ng Equipment		m	w	equips	neit					
Purgina	g: P	erestatic	pur	mp	Sampling:	Da.	me				
Dispos	al of Discharg	ed Water:	5	5-9	allon d	un					
INSTRUM	MENTS (Indica	ate make, mode	l, I.d.)								
Water I	Level:	Kert			Thermometer:		51556	5			
pH Met	ter: <u>YS</u>	556	-1		Field Calibrati	ion:	<u>-4</u>				
Condu	ctivity Meter:	YSI S!	560		Field Calibrat	ion: 🕂	113				
Filter /	Filter Size:	10 MICIDA			Other:						
SAMP		ASUREMEN	NTS					·I	17		
W19 Time	Cum. Vol (gal. of L)	Purge Rate (gal. or L/m)	Temp. (oC)	pН	Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	DD Rem	arks off		
	(gai, ya L)	(gal. of 17 m)	21.5	7,12	3110	noutral	110	0.27	- 88		
1629			21.6	7.16	3040	I II	13	0.25	-81		
1639			21.7	7.17	3040		14	0.25	- 26		
1021		-42		111 1	50010	1		- DIFF	0		
Water Le	evel (ft. BMP) a	at End of Purge	8,9	12		Sample Intake	Depth (ft. BM	P): 1' DEF E	SONDA		
	LE INVER										
		les Collected			Filtration	Preservation		Remarks			
Time	Volume	Composition	(G, P)	No.	(Y / N)	(type)		ontrol sampl	e, other)		
1,50	250 ml	Р		1	N	None		DS, Sulfate			
1650	500ml	Р		1	N	HNO ³		al Cd, Total			
1650	500ml	P		1	Y	HNO ³	Dis	ss Cd, Diss H	'b		
Commen						Pastor. Beh	ling & Wheele	er, LLC			
Commen					1	2201 Double	-				
						Round Rock, Texas 78664					
					Pho	ne: (512) 671-3		512) 671-34	46		
11											

GROU	UNDWA1	ER SAMF	PLINC	G RE	CORD		PAGE	of	_	
Project N	umber:	1732	Project	Name:	Exide Frisco R	ecycling Center		Date: - 6	-12	
Sample N		W-13				Starting Water	Level (ft. BMP)	: 15	183	
Sampling	Location (we	II ID, etc.): ML	1-13	3		Casing Stickup) (ft.):	1.15		
the second s	by: JTB					Starting Water	Level (ft. BGL)	: _14,	68	
		of Well: TOC	1PVC			Total Depth (ft.	Bati:BMP	24.	57	
	Interval (ft. E		1		Casing Diameter (In ID): 4,0					
Filter Pac	ck Interval (ft.	BGL):				Casing Volume	: (gal.):		-	
QUAL	ITY ASSU	RANCE								
МЕТНО	DS (describe)	:								
	na Fauinment		m	eur	equipme	nt				
Purgin	g: bi	undaltit	pin	10	Sampling:	Da	une			
-	al of Discharg		1	11	-gallon	dun	Vue			
INSTRUM	MENTS (Indica	ate make, mode	l, I.d.)		June					
Water	Level:	Kerh			Thermometer:	15	1556			
pH Me	ter: <u> </u>	51 556			Field Calibrati	ion: <u>J</u> -	.4			
Condu	ctivity Meter:	451 5	56		Field Calibrat	ion:	113			
Filter	Filter Size:	10 Micron			Other:					
SAMP	LING ME	ASUREME								
1433	Cum. Va	Purge Rate	Temp.		Spec. Cond.	0.1	Turbidity &		1 APP	
Time	(gal. of L)	(gal. or L/m)	(oC)	pH	(µmhos/cm)	Color	Sediment	DO Rema		
1443			21.7	7,14	3110	mentral	27	0.45	-162	
1448			21.6	713	3120	mentral		0.43	-163	
1453		•	21.6	7.13	3120	neutral		0.44	-102	
						5		-		
	1.46 (D) (D)		10	00		0	Denth (9) DM	Di Harre		
		at End of Purge	15,	10		Sample Intake	Deptn (it. BM	PI: I DEFE	BOTTOM	
SAWP	LE INVER	les Collected			Filturation	Preservation		Remarks		
Time	Volume	Composition	(G, P)	No.	Filtration (Y / N)	(type)	(quality co	ntrol sample	e, other)	
1510	250 ml	P		1	N	None		DS, Sulfate	·	
1510	500ml	P		1	N	HNO ³		al Cd, Total F	Ъ	
1510	500ml	Р		1	Y	HNO ³		Diss Cd, Diss Pb		
Commen	nts:					Pastor, Beh	ling & Wheele	er, LLC		
						2201 Double	Creek Dr., Su	ite 4004		
					1	Round R	ock, Texas 78	664		
					Pho	ne: (512) 671-3	434 Гал: (5	512) 671-34	46	

Project Number: 1732 Project Name: Exide Frisco Recycling Center Date: 1-16-12 Sample Number: 2012-MW-14 Starting Water Level (ft. BMP): 5.94 Sampling Location (well ID, etc.): MW-14 Casing Stickup (ft.): 1.10 Sampled by: TB Starting Water Level (ft. BGL): 4.84 Measuring Point (MP) of Well: TO C/PU C Total Depth (ft. BGL): 4.853 Screened Interval (ft. BGL): Casing Diameter (In ID): 4.00 Filter Pack Interval (ft. BGL): Casing Volume (gal.): 700 QUALITY ASSURANCE Casing Volume (gal.): 700 METHODS (describe): MW IquepMeth 90 Cleaning Equipment: MW IquepMeth 90 Purging: Phataltic 95- gallon Juu INSTRUMENTS (Indicate make, model, I.d.) Thermometer: 451 556
Sample Number: 2012-MW-14 Starting Water Level (ft. BMP): 5.94 Sampling Location (well ID, etc.): MW-14 Casing Stickup (ft.): 1.10 Sampled by: JTB Starting Water Level (ft. BGL): 4.84 Measuring Point (MP) of Well: TOCPUC Total Depth (ft. BGL): BMP 18.53 Screened Interval (ft. BGL): Casing Diameter (In ID): 4.00 Filter Pack Interval (ft. BGL): Casing Volume (gal.): 94.00 QUALITY ASSURANCE Casing Volume (gal.): 94.00 METHODS (describe): Cleaning Equipment: MW lquipMent Purging: phatalthic purp Sampling: Qame Disposal of Discharged Water: 55- gallon duux 100 INSTRUMENTS (Indicate make, model, Ld.) Thermometer: 451 556
Sampling Location (well ID, etc.): MU-14 Casing Stickup (ft.): 1.10 Sampled by: JTB Starting Water Level (ft. BGL): 4.84 Measuring Point (MP) of Well: TO C/PY C Total Depth (ft. BGL): 18.53 Screened Interval (ft. BGL): Casing Diameter (In ID): 17.0 Filter Pack Interval (ft. BGL): Casing Volume (gal.): 4.0 QUALITY ASSURANCE Casing Volume (gal.): 9.0 METHODS (describe): Cleaning Equipment: MW IquipMent Purging: phataltic purp Sampling: Oame Disposal of Discharged Water: 55- gallon duu 10 INSTRUMENTS (Indicate make, model, I.d.) Thermometer: 451 556
Sampled by: JTB Starting Water Level (ft. BGL): 4.84 Measuring Point (MP) of Well: TOCPUC Total Depth (ft. BGL): B.53 Screened Interval (ft. BGL): Casing Diameter (In ID): 4.00 Screened Interval (ft. BGL): Casing Volume (gal.): 4.00 Filter Pack Interval (ft. BGL): Casing Volume (gal.): 6 QUALITY ASSURANCE Casing Volume (gal.): 6 METHODS (describe): Cleaning Equipment: MW lquipment Purging: Phartathic purp Sampling: Oamel Disposal of Discharged Water: 55-gallon duur 10 INSTRUMENTS (Indicate make, model, I.d.) Thermometer: 451 556
Screened Interval (ft. BGL): Casing Diameter (In ID): 4,0 Filter Pack Interval (ft. BGL): Casing Volume (gal.): QUALITY ASSURANCE METHODS (describe): Cleaning Equipment: Purging: phatathic pump Disposal of Discharged Water: 55-gallon dum INSTRUMENTS (Indicate make, model, I.d.) Thermometer: 451_556
Screened Interval (ft. BGL): Casing Diameter (In ID): 9,0 Filter Pack Interval (ft. BGL): Casing Volume (gal.): QUALITY ASSURANCE METHODS (describe): Cleaning Equipment: Cleaning Equipment: MW lquipment Purging: phatalthi purp Disposal of Discharged Water: 55-gallon duur INSTRUMENTS (Indicate make, model, I.d.) Thermometer: Water Level: Kuh
QUALITY ASSURANCE METHODS (describe): Cleaning Equipment: MW lquipment Purging: phataltic pump sampling: Dame Disposal of Discharged Water: 55-gallon duux INSTRUMENTS (Indicate make, model, I.d.) Water Level: Kuh Thermometer: 111
METHODS (describe): MW lquipment Cleaning Equipment: MW lquipment Purging: phataltic purp Disposal of Discharged Water: 55-gallon duuc INSTRUMENTS (Indicate make, model, I.d.) Thermometer: Water Level: Kich
Cleaning Equipment: Purging: phatattic pump sampling: Dame Disposal of Discharged Water: 55-gallon dum INSTRUMENTS (Indicate make, model, I.d.) Water Level: Kich Thermometer: 151 556 TH
Purging: phatalitic purp Sampling: Dame Disposal of Discharged Water: 55-gallon durun INSTRUMENTS (Indicate make, model, I.d.) Water Level: Kich Thermometer: 151 556
Disposal of Discharged Water: 55-gallon duun INSTRUMENTS (Indicate make, model, I.d.) Water Level: Kich Thermometer: 151 556
INSTRUMENTS (Indicate make, model, I.d.) Water Level: Kinch Thermometer: 451 556
Water Level: Kich Thermometer:
pH Meter: <u>YSI SS6</u> Field Calibration: <u>7-4</u>
Conductivity Meter: <u>451 556</u> Field Calibration: <u>1413</u>
Filter / Filter Size: 10 m CrDM Other:
SAMPLING MEASUREMENTS
K21 Cum. Vol Purge Rate Temp. Spec. Cond. Turbidity & Time (gal. or L/m) (gal. or L/m) (oC) pH (µmhos/cm) Color Sediment DD Remarks DFP
1537 .1 19.7 7.33 4520 newhol 17 0.33 -97 6.1
1542 1 19.9 7.31 4540 1 12 0.33 -96 6.2
1547 2011 3.31 4550 0 13 0.34 -96 4.2
Water Level (ft. BMP) at End of Purge: (p, 24) Sample Intake Depth (ft. BMP): OFF BOTTOM
SAMPLE INVENTORY
Bottles Collected Filtration Preservation Remarks
Time Volume Composition (G, P) No. (Y / N) (type) (quality control sample, other)
Image: Weight of the second
VOO 500ml P 1 Y HNO ³ Diss Cd, Diss Pb
Comments: Pastor, Behling & Wheeler, LLC
Comments: Pastor, Benning & Wheeler, LLC 2201 Double Creek Dr., Suite 4004
Round Rock, Texas 78664
Phone: (512) 671-3434 Fax: (512) 671-3446

S.

GROU	INDWAT	TER SAM	PLING	REC	ORD				of		
Project N	Manufacture and a second	AND DESCRIPTION OF A DE	AT UNDER THE REAL PROPERTY AND	THE OWNER WATER	XIDE-P	215000		Date: 4-1	0-13		
Sample N		1-15	TIOJOUN	and. C	ALUC I	Starting Water	evel (# BMP		10.97		
		ID, etc.): (n)	-15			Casing Stickup		/-			
Sampled	1.	101,010.7.1.10				Starting Water Level (ft. BGL):					
1		Well-TOCI	NIC-			Total Depth (ft. BGL):					
	Interval (ft. Bo		12-2	2		Casing Diameter			4.0		
	k Interval (ft. E		10. 01			Casing Volume	5	-	·		
subject of the and income subject	TY ASSU	A PROPERTY OF THE OWNER	STREET, STREET, STREET, ST	and a second second		Todaling volume	(90.).	1993) (1999) (1999) (1999) (1999)	ta te contra de la calencia de la calencia		
METHO	DS (describe)			·····		10/04/10/07/07/07/07/07/07/07/07/07/07/07/07/07	N		the second s		
Cleaning	g Equipment:	1. 1	de	dica	tid or	Ment PA	aulen	end			
Purging	Ren	astalitic.	burn	D	Sampling:		Dane				
	I of Discharge		155-	toral							
		te make, model,		ga							
Water L	and the second	LIGCIL			Thermometer.	\	151 59	56			
pH Mete	er: <u>YS</u>	1556			Field Calibration	1:	1-4				
Conduc	tivity Meter:	YS1 55	sla		Field Calibration	1:	1413				
		nucron		mica							
		SUREMEN		rduvisionalis	and the second	and the second second second second second			AND DIS LONG BOT NOT SHE TO BE SHE		
0972 Time	Cum. Vol.	Purge Rate	Temp.	Vielanating Konar	Spec. Cond.			Turbidity &	Water Depth		
	(gal. of L)	(gal. d(L/m))	(OC)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)		
0032			18,4	6.50	2150	0.31	109,9	81	11.32		
0831			18,6	6.54	2160	0,26	111.4	21	11.35		
0842		12	18,7	6.55	2170	0.25	112,4	6.7	11.36		
	L		1141	L			l				
PLATER STATISTICS.	COMPANY OF THE OWNER	t End of Purge:	113	l		Sample Intake	Depth (ft. BMP	1:5'0F	BOTTOM		
SAMP	E INVEN	And in case of the local day in the loca	-						-		
Time	Bo Volume	ttles Collected Composition	(C D)		Flitration	Departmention	1	Remark			
Time	250ML		(G, P)	No.	(Y / N)	Preservation		http://			
	1	0				HND3	TOTAL				
and the second second	250ml				1-,45	HND3			metals		
0855	250ml	PP			-	-	SULFF	ITE			
Commont	lan a subject of the set	Constantive and gably man	internative internation	And the second sec				A 14-1			
Commente						(stor, Behlin	-			
						220	f Double Ci Bound Bo	reek Dr., Su ock, TX 786			
						(512) 6	71-3434		c) 671-3446		
						(012)0			······		

GROU	NDWAT	ER SAMP	LING	REC	CORD	RD PAGE of				
Project Nu	mber:	1732	Project	Name:	Exide Frisco R	ecycling Center	r	Date: 1-17-12		
		212- MW	-16			Starting Water	Level (ft. BMP)	10,22		
	Location (we		14-1	(0		Casing Stickup (ft.):				
	Dy: JTB			×		Starting Water Level (ft. BGL):				
	Billion Barrow	of Well: TDC	PULC			Total Depth (ft	BGE): BMP-	78.68		
	Interval (ft. E					Casing Diamet	er (In ID):	78.68 4.0		
	k Interval (ft.					Casing Volume				
QUALI	TY ASSU	RANCE								
METHO	OS (describe)	:				7				
	g Equipment			men	egin	ment				
Purging	: De	rastaltic			Sampling:		ime			
	l of Discharg	ged Water: 🖇	5-0	20100		2				
INSTRUM	ENTS (Indica	ate make, model	l, I.d.)	J	Greeners					
Water L		Kerch			Thermometer:	_YS	51 556			
pH Met	er; Y	51 556			Field Calibrati	ion:	1-4			
•	tivity Meter:	VISIS.	56		Field Calibrati	ion:	413			
	Filter Size:	10 micros	~		Other:					
		ASUREME								
1247 Time	7 Cum. Vol. Purge Rate Temp.				Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	DO Remarksorf		
1257		.1	19.2	1.74	1570	mentral	19	0.87 -90		
1302		1	19.3	7.71	1590		26	0,85 -81		
1307		t	19,4	7,72	1580	-	23	0.84 -89		
	-	at End of Purge	10.	4		Sample Intake	e Depth (ft. BM	P): 1 OFF BOTTON		
SAMP	LE INVEI									
Time	Bott	Composition	(G P)	No.	Filtration (Y / N)	Preservation (type)	(onality or	Remarks ontrol sample, other)		
Time		P	(G, F)	1	(I / N) N	None		DS, Sulfate		
1320	250 ml 500ml	P P		1	N N	HNO ³		al Cd, Total Pb		
1320	500ml	P P		1	Y	HNO ³	-	as Cd, Diss Pb		
Dan	300111	I I I I I I I I I I I I I I I I I I I		-	-					
Commen	ts:					Pastor, Bel	ling & Wheele	er, LLC		
Commen					1		Creek Dr., Su	-		
					1		tock, Texas 78			
					Pho	ne: (512) 671-:	•	512) 671-3446		

WL 10,39 10.41 10.41

Project Number: 1732 Project Name: Exide Frisco Recycling Center Date: 1-17-12	
Sample Number: $2019 - MW - 105$ Starting Water Level (ft. BMP): 9, 12	
Sampling Location (well ID, etc.): MW - 165 Casing Stickup (ft.):	
Sampled by: VDB Starting Water Level (ft. BGL):	
Measuring Point (MP) of Well: TOC PUC Total Depth (ft. BGE): BMP 18.11	
Screened Interval (ft. BGL): Casing Diameter (In ID): <u>4.0</u>	
Filter Pack Interval (ft. BGL):	
QUALITY ASSURANCE	
METHODS (describe):	
Cleaning Equipment: Mur equipment	
Purging: perastaltic pump sampling: Dame	
Disposal of Discharged Water: 55 gallon	
INSTRUMENTS (Indicate make, model, I.d.)	
Water Level: Kich Thermometer: <u>YSI SSL</u>	
pH Meter: <u>YS1556</u> Field Calibration: <u>7-4</u>	
Conductivity Meter: <u>151 556</u> Field Calibration: <u>1413</u>	
Filter / Filter Size: 0 m Con Other:	
SAMPLING MEASUREMENTS	
1354 Cum. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Time (gal. of L) (gal. of L) (gal. of L) (oC) pH (µmhos/cm) Color Sediment DO Remarks of H	WL
1 1 1 1 1 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1	9.56
	9,58
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	9.59
Water Level (ft. BMP) at End of Purge: 9,59 Sample Intake Depth (ft. BMP): / OFF BOTTON	
SAMPLE INVENTORY	
Bottles Collected Filtration Preservation Remarks	
Time Volume Composition (G, P) No. (Y / N) (type) (quality control sample, other)	
I430 250 ml P 1 N None TDS, Sulfate	-
Image: Non-Solution P 1 N HNO ³ Total Cd, Total Pb Image: Non-Solution P 1 Y HNO ³ Diss Cd, Diss Pb	-
1430 500ml P 1 Y HNO ³ Diss Cd, Diss Pb	
Comments: Pastor, Behling & Wheeler, LLC	
2201 Double Creek Dr., Suite 4004	
Round Rock, Texas 78664	
Phone: (512) 671-3434 Fax: (512) 671-3446	

PBW, LLC

GROU	UNDWA1	ER SAMP	LING	RE	CORD		PAGE	of]			
Project N	umber:	1732	Project	Name:	Exide Frisco R	ecycling Center		Date: - 8- 2				
	Number: 20	212- Mh	1-17			Starting Water	Level (ft. BMP)	: 8.67				
		11 ID, etc.): m		7		Casing Stickup	o (ft.):					
Sampled	by: JTB			1		Starting Water Level (ft. BGL):						
Measurir	ng Point (MP)	of Well: TOC	PVC	_		Total Depth (ft	BOLT:BMP _	18,80	-			
-	l Interval (ft. E		1			Casing Diamet	er (In ID):	4,0	-			
Filter Pac	ck Interval (ft.	BGL):				Casing Volume	e (gal.):					
QUAL	ITY ASSU	RANCE										
METHC	DS (describe)	:				,						
Cleanii	ng Equipment	: 1 m		men	equip	neut			-			
Purgin	g: P	erastaltic	pun	1	Sampling:	pa	me					
Dispos	al of Discharg	ged Water:	155	- ga	Don duy	r			_			
INSTRUM	MENTS (Indica	ate make, mode	l, I.d.)	1	5 VS		100.000		_			
Water	Level:	Kech			Thermometers	45	1556		-			
pH Me	ter:	451 556	0		Field Calibrat	ion:	-4		-			
Condu	ctivity Meter:	4515	54		Field Calibrat	ion:	413		-			
Filter /	/ Filter Size:	10 micron	•••		Other:							
		ASUREME							-			
H2) Time	Cum. Vol. (gal. of L)	Purge Rate (gal. or L/m)	Temp. (oC)	pН	Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	DO RemarksDFP	WL			
1431	(800) 0 1	1811	18.4	7.57	3120	mentral	17	0.96 -67	892			
1436			18,6	7.61	3740	I	12	0.89 -69	8,93			
1441		12	18:7	37162			13	0,88 -68	-0			
		24	1 0.1	and they want		Oon						
						wat		upole so	1			
									1			
Water La	evel (ft. BMP)	at End of Purge	: 8,0	12		Sample Intake	Depth (ft. BM	PI: 1 OFF BOTTOM				
SAMP	LE INVE	NTORY										
		les Collected		1	Filtration	Preservation		Remarks				
Time	Volume	Composition	(G, P)	No.	(Y / N)	(type)		ntrol sample, other)	-			
1500	250 ml	P		1	N	None HNO ³	1	DS, Sulfate	-			
ISOD	500ml	P		1	N	HNO ³		l Cd, Total Pb	-			
1500	500ml	Р		1	Y	HNU	Dis	s Cd, Diss Pb	-			
	00 = 1 /	N=0 (0)	. 1/	1.0		Bostor Bak	ling & Wheele	- 110	-			
Comme		NSD (a)	- YI	nia	-		ling & Wheele Creek Dr., Su	-				
Well	<u> </u>				-		ock, Texas 78					
-			-		Bha							
					Phot	ne: (512) 671-3	9434 Fax: (5	512) 671-3446				

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GROUNDWATER S	AMPLING	REC	CORD		PAGE	of				
Project Number: 1732	Project N	lame:	Exide Frisco R	ecycling Center	r	Date: 1-17-12				
Sample Number: 2012	- MW-12	\$		Starting Water	Level (ft. BMP)	1.96				
Sampling Location (well ID, etc	1: MW-1	18		Casing Stickup) (ft.):					
Sampled by:				Starting Water Level (ft. BGL):						
Measuring Point (MP) of Well:	TOCIPY	C		Total Depth (ft	. BOLT: BMP _					
Screened Interval (ft. BGL):				Casing Diamet	er (In ID):	4,0				
Filter Pack Interval (ft. BGL):				Casing Volume	e (gal.):	~				
QUALITY ASSURANC	E									
METHODS (describe):			~	7						
Cleaning Equipment:	OVe	w.	equipme							
Purging: perante	iltic pu	mp	Sampling:	dun	me		-			
Disposal of Discharged Wate	r:	55-	aalte	dun						
INSTRUMENTS (Indicate make	, model, I.d.)		5							
Water Level: Ker	L		Thermometer:	<u> </u>	51 556		_			
pH Meter:	56		Field Calibrati	on:	7-4		-			
Conductivity Meter:	151 S56	r	Field Calibrati	on:	1413		-			
Filter / Filter Size: 0 M	Cron		Other:							
SAMPLING MEASUR	EMENTS									
	Rate Temp.	mIJ	Spec. Cond.	Color	Turbidity & Sediment	DU Remarks DEP	WI.			
		pH	(μmhos/cm)		8,7					
1101		7.12	2140	meigral	6,8		-			
1106		7,13			9,1		-			
	17.7	7,14	2150		/1/	201- 102	- 21			
							-			
							-			
		_					-			
		1		Somple Intels	Depth (ft. BM	B) L'REE P DODA	1			
Water Level (ft. BMP) at End o SAMPLE INVENTOR				Sample make	e Depui (it. Divi	P): 'OFF BOTOM	9			
Bottles Colle			Filtration	Preservation	í —	Remarks	-			
	osition (G, P)	No.	(Y / N)	(type)	(quality co	ontrol sample, other)				
1125 250 ml	P	1	N	None	Т	DS, Sulfate				
1125 500ml	Р	1	N	HNO ³	Tota	al Cd, Total Pb				
125 500ml	Р	1	Y	HNO ³	Dis	ss Cd, Diss Pb				
Comments: Light du	plicate	a		Pastor, Bel	aling & Wheele	er, LLC				
this well.		0		2201 Double	Creek Dr., Su	ite 4004				
2012-MW-F	D]	Round R	lock, Texas 78	3664				
			Pho	ne: (512) 671-:	3434 Гал: (512) 671-3446				

Project Number: 1732 Project Name: Exide Frisco Recycling Center Date: $ -[7]-[2]$ Sample Number: $Q R < [T_M] - [Q]$ Starting Water Level (R. BMP): $ R.S.9 $ Sample Number: $Q R < [T_M] - [Q]$ Casing Starting Water Level (R. BGL): Sample Number: $Q R < [T_M] - [Q]$ Casing Starting Water Level (R. BGL): Servened Interval (R. BGL): Casing Starting Water Level (R. BGL): $Q = 0$ Servened Interval (R. BGL): Casing Starting Water Level (R. BGL): $Q = 0$ Water Level (R. BGL): Casing Volume (gal.): $Q = 0$ Optimize: $P = 0$ $P = 0$ $P = 0$ NSTRUMENTS (Indicate make, model, 1.d.) $P = 0$ $P = 0$ $P = 0$ Water: $S \leq 0$ Field Calibration: $P = 0$ $P = 0$ PH ter: $V \leq 1$ $S \leq 0$ $P = 0$ $P = 0$ $P = 0$ $P = 0$ Phiter Pack in the of Parge Rate Temp $P = 0$	GROU	NDWA1	ER SAMP	PLING	; <i>RE</i> (CORD		PAGE	of	_			
Sampling Location (well D): etc. : $D \downarrow - [- 2]$ Casing Stickup (ft.): Sampled by: TDE Total Depth (ft. BGL): Total Depth (ft. BGL): Measuring Toint (MF) of Well: $TOC PUC$ Total Depth (ft. BGL): Casing Diameter (In ID): 2.0 Sterened Interval (ft. BGL): Casing Volume (gal): Casing Volume (gal): 2.0 QUALITY ASSURANCE METHODS (describe): Casing Volume (gal): 2.0 METHOR Dack Interval (ft. BGL): Casing Volume (gal): 2.0 Outality ASSURANCE METHODS (describe): Casing Volume (gal): 2.0 METHOR Dack Interval (ft. BGL): Casing Volume (gal): 2.0 2.0 Value Disposal of Discharged Water: $5.5 - gallon duture 5.5 (c - fteld Calibration: 1.13 NINSTRUMENTS (Indicate make, model, Id.) Thermometer: VSL 5.5 (c - fteld Calibration: 1.12 -7.4 Conductivity Meter: VSL 5.5 (c - fteld Calibration: 1.12 -7.4 0.6 1.12 -7.78 7.772 2.6 1.16 -7.78 7.772 7.772 7.772 7.772 7.772 7.772 7.772 7.772$	Project Nu	umber:	1732	Project 1	Name:	Exide Frisco F	ecycling Center		Date: ~[7-12			
Starting Water Level (ft. BOL): Starting Water Level (ft. BOL): Total Depth (ft. BOL): Casing Diameter (In 1D): QUALITY ASSURANCE METHODS (describe): Cleaning Routhment: PURCHARCE METHODS (describe): Cleaning Routhment: OWL Disposal of Discharged Water: S5 - g allow dum DISCL Field Calibration: OWL Disposal of Discharged Water: S5 - G allow dum INSTRUMENTS (Indicate make, model, I.d.) Water Level: Level: Field Calibration: OUL Field Calibration: Thermometer: Yurbolity & Sec. Cond. Outer Sole field Calibration: OWL Outer Sole field Calibration: Thermometer: Yurbolity & Sec. Cond. (gall or (L) OWL OREGRAPHIC FIGURA OREGRAPHICE </td <td>Sample N</td> <td>umber: A</td> <td>1012-m1</td> <td>W-14</td> <td>7</td> <td></td> <td>Starting Water</td> <td>Level (ft. BMP)</td> <td>: _18</td> <td>3,59</td> <td></td>	Sample N	umber: A	1012-m1	W-14	7		Starting Water	Level (ft. BMP)	: _18	3,59			
Measuring Point (MP) of Well: TOC PUC Total Depth (R. Beff): Boff): 25.20 Screened Interval (R. BGL): Casing Diameter (In D): 2.0 QUALITY ASSURANCE Casing Volume (gal.):	Sampling	Location (we	ll ID, etc.):	nw-	19		Casing Stickup	o (ft.):					
Screened Interval (ft. BGL): Casing Diameter (In ID): 2.0 Pilter Pack Interval (ft. BGL): Casing Volume (gal.): $-$ QUALITY ASSURANCE METHODS (describe): $-$ Cleaning Equipment: NUW EquipMethod $-$ Purging: DLOT Att. $-$ Disposal of Discharged Water: $55 - gallon dum$ $-$ INSTRUMENTS (Indicate make, model, I.d.) Thermometer: $-$ Water Level: L Thermometer: $-$ pH Meter: $VSI 556$ Field Calibration: $-$ Filter / Filter Size: $O \cap (O \cap O)$ Other: SampLing $O = 0$ SAMPLING MEASUREMEENTS Spec. Cond. Color Stediment $D O$ Remarks ORP Ull $0^{1}_{100}(1)$ $(gal. or(C/m))^{10}$ $(oc) pH$ $(gumos/cm)$ $Color$ $Stediment$ $D O$ Remarks ORP Ull $0^{1}_{100}(1)$ $(gal. or(C/m))^{10}$ $(oc) pH$ $(gumos/cm)$ $Color$ $Stediment$ $D O$ Remarks ORP Ull $0^{1}_{10}(2)$ $(gal. or(C/m))^{10}$ $(oc) pH$ $(gumos/cm)$ $Color N$ $Stediment$ <	Sampled	by: JTB	,)				Starting Water Level (ft. BGL):						
Conduct Interval (It. BGL): Casing Volume (gal.): QUALITY ASSURANCE METHODS (describe): Cleaning Equipment: MULL Purging: PLOMACL Disposal of Discharged Water: SS - gallon dum INSTRUMENTS (Indicate make, model, I.d.) Thermometer: Water Level: Level INSTRUMENTS (Indicate make, model, I.d.) Thermometer: Water Level: Level INSTRUMENTS (Indicate make, model, I.d.) Thermometer: Value Field Calibration: PH Meter: YS SSC Filter / Filter Size: IO (*) (* 0 m) Other: SAMPLING MEASUREMENTS Olaged .1 17.8 Offild .1 17.8 Offild .1 17.8 Offild .1 17.7 Offild .1 17.7 Offild .1 17.8 Offild .1 17.7 Offild .1 17.7 Offild .1 17.8 Offild .1 17.7 Offild .1	Measurin	g Point (MP)	of Well: TOC	PU	C		Total Depth (ft	BOLI: BMP_					
QUALITY ASSURANCE METHODS (describe): Cleaning Equipment: NULL HAW Provided Disposal of Discharged Water: S5 - gallon dum Disposal of Discharged Water: S5 - gallon dum NSTRUMENTS (Indicate make, model, I.d.) Water Level: Low Mater: VS1 SS($_{\mathcal{O}}$ Field Calibration: Thermometer: VS1 SS($_{\mathcal{O}}$ Field Calibration: PUTGE Rate Temp. pH (gal. or (L / IM) Method (gal. or (L / IM) Out of the put of the	Screened	Interval (ft. I	3GL):				Casing Diamet	er (In ID):	2.	0			
METHODS (describe): MULT Prove that the second provided preceptores provided provided provided provided provide	Filter Pac	k Interval (ft.	BGL):				Casing Volume	e (gal.):	-				
Cleaning Equipment: NULL PROMPTLY Purging: DENOMALIA: Full Sampling: Dawle Disposal of Discharged Water: $55 - gallon$ Gallon Gallon INSTRUMENTS (Indicate make, model, 1.d.) Thermometer: $VS_1 > SS(a)$ Field Calibration: $7 - 4$ Onductivity Meter: $VS_1 > SS(a)$ Field Calibration: $7 - 4$ Conductivity Meter: $VS_1 > SS(a)$ SAMPLING MEASUREMENTS Sampling: Odd UII $Vall Vall Office VA Other: Sectiment DO Remarks OFP UII Vall Vall Vall Vall O Other: Sectiment DO Remarks OFP UII Vall Vall Vall O Other: Sectiment DO Remarks OFP UII Vall Vall Vall O $	QUALI	TY ASSU	RANCE										
Purging: Purging: Date Disposal of Discharged Water: $55 - gallon dum$ INSTRUMENTS (Indicate make, model, I.d.) Thermometer: $155 - gallon dum$ Water Level: KdN Thermometer: $7 - 4$ pH Meter: $451 - 556$ Field Calibration: $7 - 4$ Conductivity Meter: $451 - 556$ Field Calibration: 1413 Filter / Filter Size: $10 + 16 + 77$ $7 - 4$ 143 SampLing: $0 + 12 + 76$ $1 + 16 + 77$ $7 - 4$ Sampling: $0 + 12 + 76$ $1 + 16 + 77$ $7 - 4$ SampLing: $0 + 12 + 76$ $1 + 16 + 77$ $7 + 32$ Sampling: $0 + 12 + 78$ $1 + 16 + 77$ $7 + 32$ $0 + 12 + 77$ $7 + 32 + 24 + 0 + 4 + 16 + 1 + 16 + 772$ $1 + 16 + 772$ $1 + 16 + 772$ $0 + 14 + 17 + 733 + 24 + 0 + 4 + 16 + 1 + 16 + 772$ $1 + 16 + 772$ $1 + 16 + 772$ $1 + 16 + 772$ $0 + 14 + 11 + 733 + 24 + 0 + 4 + 16 + 1 + 16 + 772$ $1 + 16 + 772$ $1 + 16 + 772$ $1 + 16 + 772$ SampLing: $1 + 17 + 733 + 24 + 0 + 4 + 16 + 1 + 16 + 772$ $1 + 5 + 772$ $1 + 5 + 772$	METHO	DS (describe)	:										
Disposal of Discharged Water: $55 - gallon dum$ INSTRUMENTS (Indicate_make, model, I.d.) Water Level: K.UT Thermometer: $91 - 4$ pH Meter: $95 - 56$ Field Calibration: $7 - 4$ Conductivity Meter: $91 - 56$ Field Calibration: III IIII Field Calibration: Field Calibration: IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Cleanin	g Equipment	: 		J.	equipm	ent						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Purging	s pi	inantaltic	pi	unp			ame					
Water Level: 40^{1} Thermometer: $VS_{1} SS_{0}$ pH Meter: $VS_{1} SS_{0}$ Field Calibration: $1^{-1/4}$ Conductivity Meter: $VS_{1} SS_{0}$ Field Calibration: $1^{-1/4}$ SAMPLING MEASUREMENTSOther:Spec. Cond.Turbidity & Sediment DO Remarks <i>OIP</i> Sampling measurements: $(al. or (C/m))$ (cc) pH (umhos/cm)ColorSediment DO Remarks <i>OIP</i> 0^{1}_{10} $(al. or (C/m))$ (cc) pH (umhos/cm)ColorSediment DO Remarks <i>OIP</i> 0^{1}_{10} $(al. or (C/m))$ (cc) pH (umhos/cm)ColorSediment DO Remarks <i>OIP</i> 0^{1}_{10} $(al. or (C/m))$ (cc) pH $(al. or (C/m))$ (cc) H $I = -772$ 0^{1}_{10} $(al. or (C/m))$ (cc) pH $I = -772$ $I8$ $I = -772$ 0^{1}_{11} $I = 17.7$ 7.32 24^{1}_{10} u $I = -772$ 0^{1}_{11} $I = 17.7$ 7.32 24^{1}_{10} u $I = -772$ 0^{1}_{11} $I = 17.7$ 7.32 24^{1}_{10} u $I = -722$ 0^{1}_{11} $I = 17.7$ $I = 27.7$ $I = -722$ $I = -722$ 0^{1}_{11} $I = 17.7$ $I = 0.772$ $I = -722$ $I = -722$ 0^{1}_{11} $I = 17.7$ $I = 0.772$ $I = -722$ $I = -722$ 0^{1}_{11} $I = 17.7$ $I = 0.772$ $I = 0.772$ $I = -722$ 0^{1}_{11} $I = 0.772$ $I = 0.772$ $I = 0.77$	Disposa	al of Discharg	ged Water:	1	55-	gallon	dum						
pH Meter: VS SS6 Field Calibration: $\gamma - 4'$ conductivity Meter: YS YS6 Field Calibration: IYI3 Filter / Filter Size: D NUCON Other: SampLing MeASUREMENTS Value Cum. Vol. Purge Rate Temp. pH (µmhos/cm) Color Sediment DO Remarks ORP U/U Value (gal. or (/m) (oc) pH (µmhos/cm) Color Sediment DO Remarks ORP U/U Value (gal. or (/m) (oc) pH (µmhos/cm) Color Sediment DO Remarks ORP U/U Value (gal. or (/m) (oc) pH (µmhos/cm) Color Sediment DO Remarks ORP U/U Value (gal. or (/m) (oc) pH (µmhos/cm) Color Sediment DO Remarks ORP U/U Value (gal. or (/m) (oc) pH (µmhos/cm) Color Sediment DO Remarks ORP U/U I/U I/	INSTRUM	IENTS (Indice	ate,make, mode	1, I.d.)		J							
Image:	Water L	.evel:	Kerth			Thermometer	_ <u>4</u> 5	1556					
Office of the calibration. Filter / Filter Size: $\begin{tabular}{lllllllllllllllllllllllllllllllllll$	pH Met	er: 🔄				Field Calibrat	ion: 🗌	-4					
SAMPLING MEASUREMENTS 0.924 Cum. Vol. (gal. or () m) Purge Rate (gal. or () m) Temp. (oC) pH Spec. Cond. (mmhos/cm) Color Turbidity & Sediment DO Remarks 0/P U/L 1936 ,1 17.8 7.37 23.80 Medda dl 3.6 11.61 -77 18 c 0441 1 17.7 7.32 2410 4 1.51 -78 18 c 0441 1 17.7 7.32 24100 4 1.51 -778 18 c 0441 1 17.7 7.33 24000 4 1.51 -778 18 c 0441 1 17.7 7.33 24000 4 1.51 -772 18 c 0441 1 17.7 7.33 24000 4 1.51 -72 18 c 0441 1 17.7 7.33 24000 4 1.51 -72 18 c 0441 1000 Somple Intake Depth (ft. BMP): 1' oper BotT20 k	Conduc	ctivity Meter:	4515	56		Field Calibrat	ion:	413					
Opple Cum. Vol. (gal. or (/m) Purge Rate (oC) Temp. pH Spec. Cond. (µmhos/cm) Turbidity & Sediment D 0 Remarks 0/P U/U 1936 .1 17.8 7.37 2380 Meutral 36 1.61 -77 18 0441 17.7 7.32 2410 4 16 1.52 -78 18 0441 17.7 7.32 2410 4 16 1.52 -78 18 0441 17.7 7.33 2400 4 18 1.51 -72 18 0441 17.7 7.33 2400 4 18 1.51 -72 18 0441 17.7 7.33 2400 4 18 1.51 -72 18 0441 17.7 7.33 2400 4 18 1.51 -72 18 Water Level (ft. BMP) at End of Purge: 17.7 Sample Intake Depth (ft. BMP): 1.51 -72 18 1000 250 ml P 1 N None TDS, Sulfate 1000 1000 1000 <td< td=""><td>Filter /</td><td>Filter Size:</td><td>10 MICRIN</td><td>< ·</td><td></td><td>Other:</td><td></td><td></td><td></td><td></td><td></td></td<>	Filter /	Filter Size:	10 MICRIN	< ·		Other:							
Unime (gal. or (/ m)) (oC) pH (µmhos/cm) Color Sediment DO Remarks 0/P Ull 1936 ,1 17.8 7.37 2380 meddaal 36 1.61 -77 18 0441 17.7 7.32 2410 4 16 1.52 -78 18.7 0441 17.7 7.33 2400 m 18 1.51 -72 18.7 0441 17.7 7.33 2400 m 18 1.51 -72 18.7 0441 17.7 7.33 2400 m 18 1.51 -72 18.7 0411 17.7 7.33 2400 m 18 1.51 -72 18.7 0411 17.7 7.33 2400 m 18 1.51 -72 18.7 Water Level (ft. BMP) at End of Purge: 17.7 Sample Intake Depth (ft. BMP): 1000 Sample Intake Depth (ft. BMP): 1000 Sample Intake Depth (ft. BMP):	SAMPI		ASUREMEI	NTS									
1936 ,1 17.8 7.37 2380 meuthal 36 1.61 -77 18.7 0441 17.7 7.32 2410 4 16.152 -78 18.7 0441 17.7 7.32 2400 4 16.152 -78 18.7 0441 17.7 7.32 2400 4 16.152 -72 18.7 0441 17.7 7.33 2400 4 16.152 -72 18.7 0441 17.7 7.33 2400 4 18.7 18.7 19.7 18.7 19.7 7.33 2400 4 16.152 -72 18.7 19.7 19.7 3 2400 4 18.7 19.	0926				лĤ		Color		DO Rema	arks DRP	1.01		
0441 17.7 7.32 2410 4 16 1.52 -78 18.7 0441 17.7 7.33 2400 18 1.51 -72 18.7 0441 17.7 7.33 2400 18 1.51 -72 18.7 18.7 19.7 7.33 2400 18 1.51 -72 18.7 19.7 19.7 7.33 2400 18 1.51 -72 18.7 19.7 19.7 Sample Intake Depth (ft. BMP): 19.7 18.7 19.7 18.7 Water Level (ft. BMP) at End of Purge: 18.7 Sample Intake Depth (ft. BMP): 19.7 19.7 Sample Intake Depth (ft. BMP): 19.7 Sample Intake Depth (ft. BMP): 19.7 Sample Intake Depth (ft. BMP): 19.7 19.7 Sample Intake Depth (ft. BMP): 19.7 Sample Intake Depth (ft. BMP): 19.7 Sample Intake Depth (ft. BMP): 19.7 19.7 Sample Intake Depth (ft. BMP): 19.7 19.7 19.7 10.7 Sample Intake Depth (ft. BMP): 19.7 19.7 19.7 19.7 19.7		(gai. UL)	(gai. 0r (is / in)				1 17						
Image: Second													
Water Level (ft. BMP) at End of Purge: Image: Composition (G, P) No. Filtration (Y / N) Preservation (guality control sample, other) Bottles Collected Filtration (Y / N) Preservation (type) Remarks (guality control sample, other) IDOO 250 ml P 1 N None TDS, Sulfate IDOO 500ml P 1 N HNO ³ Total Cd, Total Pb IDOO 500ml P 1 Y HNO ³ Diss Cd, Diss Pb Comments: Pastor, Behling & Wheeler, LLC Z201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664				1-1-1-1							-11'		
SAMPLE INVENTORY Bottles Collected Filtration Preservation Remarks Time Volume Composition (G, P) No. (Y / N) (type) (quality control sample, other) 1000 250 ml P 1 N None TDS, Sulfate 1000 500ml P 1 N HNO ³ Total Cd, Total Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb Comments: Pastor, Behling & Wheeler, LLC LCC Comments:	0 MC			1111		2100		10		-/-	- 10.1		
SAMPLE INVENTORY Bottles Collected Filtration Preservation Remarks Time Volume Composition (G, P) No. (Y / N) (type) (quality control sample, other) 1000 250 ml P 1 N None TDS, Sulfate 1000 500ml P 1 N HNO ³ Total Cd, Total Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb Comments: Pastor, Behling & Wheeler, LLC LCC Comments:													
SAMPLE INVENTORY Bottles Collected Filtration Preservation Remarks Time Volume Composition (G, P) No. (Y / N) (type) (quality control sample, other) 1000 250 ml P 1 N None TDS, Sulfate 1000 500ml P 1 N HNO ³ Total Cd, Total Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb Comments: Pastor, Behling & Wheeler, LLC LCC Comments:											-		
Bottles CollectedFiltration (Y / N)Preservation (type)Remarks (quality control sample, other)TimeVolumeComposition (G, P)No.Filtration (Y / N)Preservation (type)Remarks (quality control sample, other)DOO250 mlP1NNoneTDS, SulfateDOO500mlP1NHNO3Total Cd, Total PbDOO500mlP1YHNO3Diss Cd, Diss PbComments:Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664	Water Le	vel (ft. BMP)	at End of Purge	: 18-	17		Sample Intake	Depth (ft. BM	P): 1' DFF	BUTTON	1		
Time Volume Composition (G, P) No. (Y / N) (type) (quality control sample, other) 1000 250 ml P 1 N None TDS, Sulfate 1000 500ml P 1 N HNO ³ Total Cd, Total Pb 1000 500ml P 1 Y HNO ³ Total Cd, Total Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 500ml P 1 Y HNO ³ Diss Cd, Diss Pb 1000 Image: Comments: Image: Comments: Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664 Round Rock, Texas 78664 Round Rock Round Rock	SAMP						1				-		
DOO 250 ml P 1 N None TDS, Sulfate DOO 500ml P 1 N HNO ³ Total Cd, Total Pb DOD 500ml P 1 Y HNO ³ Diss Cd, Diss Pb Comments: Pastor, Behling & Wheeler, LLC 2001 Double Creek Dr., Suite 4004 Round Rock, Texas 78664	Time			(G P)	No			(quality co		e. other)			
DOO 500ml P 1 N HNO ³ Total Cd, Total Pb DDD 500ml P 1 Y HNO ³ Diss Cd, Diss Pb Comments: Pastor, Behling & Wheeler, LLC 201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664				(0,1)						, 641617	1		
DDD 500ml P 1 Y HNO ³ Diss Cd, Diss Pb Comments: Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664										°b	1		
2201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664											1		
2201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664							Pastor Reh	ling & Wheele	T. LLC		-		
Round Rock, Texas 78664	Commen	118:				-		-					
Phone: (512) 671-3434 Fax: (512) 671-3446						1							
						Pho	ne: (512) 671-3	434 Fax: (5	512) 671-34	46			

Project N	imber.		Date: 1-17-12								
	umber: 2(+0	LAIGE FIISCO A	Recycling Center	Level (ft. BMP)				
	Location (we		$\frac{w}{w} = \frac{w}{w}$	-	Casing Stickup (ft.):						
Sampling		2	10		Starting Water Level (ft. BGL):						
	g Point (MP)		-101	10	Total Depth (ft. BOD): $BMP = 25.20$						
IF THE POLY AND A CONTRACT OF A	NP	101	411	IC_		Casing Diamet		2.0			
	Interval (ft. 1 k Interval (ft.					, , , , , , , , , , , , , , , , , , ,					
and the second sec	TY ASSU			_	Casing Volume (gal.):						
				_							
	DS (describe)		m	Lux	equipm	11-					
	g Equipment	nastaltic		VIII~		0	une				
Purging			pun	01	Sampling:		ond				
	al of Discharg			gall	lon duu	L					
INSTRUM	IENTS (Indica	ate make, model	l, I.d.)				100				
Water Level: Kich Thermometer: 451556											
pH Met	er:	151 556	- 71	_	Field Calibrat		1-9				
Condu	ctivity Meter:	~	556		Field Calibrat	ion:	1413				
Filter /	Filter Size:	10 micro	n		Other:						
SAMP		ASUREMEN	ITS			· · · · · · · · · · · · · · · · · · ·					
0%52 Time	(gal. or(L))	Purge Rate (gal. or L/m)	Temp. (oC)	pН	Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	DO Remarks OP			
0902	(gai. or (b))	(Building Annual)	16.6	7.38	5680	dK, brawr	silty	1.05 -96			
0102			10.0	1.50	5000	AFIDIUM	L STILL	103 -10			
	Well I	a april	de	111.	will	burge u	vell du	and retur			
	to no	intole. J		JI	U	1 sc	(φοιο			
	-1V-15"	and and i									
		at End of Purge	:			Sample Intake	e Depth (ft. BM	P):			
SAMP	LE INVE					1	·				
Time	Volume	Composition	(G P)	No.	Filtration (Y / N)	Preservation (type)	(quality co	Remarks ntrol sample, other)			
Time 1015			(0,1)		N N	None		DS, Sulfate			
1015	250 ml	P		1		HNO ³		l Cd, Total Pb			
1015	500ml	P		1	N Y	HNO ³		s Cd, Diss Pb			
	500ml	Р		1	Y	11110		9 CU, D199 LN			
Common	ter TA G	SULTING	WA C	J		Pastor. Bel	ling & Wheele	r. LLC			
		SULFHE I			2201 Double Creek Dr., Suite 4004						
263 6100	ELTEN	NOTEN	1001	(2)	Round Rock, Texas 78664						
WATE	R FUR	- METALS	X 1)1.	22	1	Nonua u	VVA, ICAAS /O				

GROU	NDWAT	ER SAMP	LING	REC	ORD		PAGE	of			
Project Nu			_			cycling Center		Date: 1-17-12			
Sample N			ENE			Starting Water	Level (ft. BMP)	14.107			
	Location (we	and the second se	= NF		Casing Stickup (ft.):						
	oy: JTB				Starting Water Level (ft. BGL):						
		of Well: TDC	IPU	Ċ	Total Depth (ft. BOLT: BMP 20.20						
	Interval (ft. E		1:			Casing Diamete	er (In ID):	2,0			
	k Interval (ft.	and the second se			Casing Volume (gal.):						
QUAL	TY ASSU	RANCE									
METHO	DS (describe)	\$									
	g Equipment			iw .	equips	rest					
Purgin	10	incidalitic	Du	up	Sampling:	Q	erre				
, °	al of Discharg	ged Water:	'5	5-1	Jellen	dun					
		ate make, model	, I.d.)	-)						
Water		Kerk			Thermometer:	45	1,556				
pH Me	er:	151 556			Field Calibrati		- 4				
Condu	ctivity Meter:	451 9	556	·	Field Calibration: 1413						
Filter	Filter Size:	Omicron			Other:						
SAMP		ASUREMEN	ITS				nc				
1019 Time	Cum. Vol (gal. or L)	Purge Rate (gal. or (. /m)	Temp. (oC)	pН	Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	Remarks OF			
1029	(Bar. or C)	(gai. of a find		7.42	3810						
1034				7.45	3830	1.0001000	17	0,16 -71			
1074			1011	115	1010						
	well	is som	ar	lus	will	bur Ro.	well di	In and			
	notur	1000	14.	loj t	V	1 1		7			
	_ news	1.0.00	and 2								
Water L	evel (ft. BMP)	at End of Purge	:			Sample Intake	e Depth (ft. BM	IP):			
	LE INVE										
		tles Collected		1	Filtration	Preservation	lana a liter -	Remarks			
Time	Volume	Composition	(G, P)	No.	(Y / N)	(type)		ontrol sample, other			
1040	250 ml	P		1	N	None HNO ³		TDS, Sulfate al Cd, Total Pb			
1040	500ml	P		1	N	HNO ³		ss Cd, Diss Pb			
1040 1040 1040	500ml	Р		1	Y	100		00 VU, 1/100 I U			
		<u> </u>	_			Pastor, Bel	ling & Wheel	er, LLC			
Comme	w-19	(V)			-		-				
LW	W-19				2201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664						
10								(512) 671-3446			

WL 17,06 17,29

GROL	INDWAT	TER SAM	PLING	REC	ORD		F		of		
Project Nu	umber: 17	55	Project N	ame: F	XIDE-F	RISCO -	FOP	Date: 3-	18-13		
Sample N	0	R			PIQC I	Starting Water		Laboration and the second	4164		
Statistic Street, Statistics of the state	Location (wel		IR			Casing Stickup					
	by: ITB					Starting Water Level (ft. BGL): 4164					
		of Welt. TOL 1	NC		Total Depth (ft.		59,5	~			
	Interval (ft. B		49.5	- 59.	5	Casing Diameter			4.0		
No. of Concession, Name of Street, or other	k Interval (ft. E				- The Eliza	Casing Volume					
And in the local division in the local division of the local divis	TY ASSU	NAMES AND ADDRESS OF TAXABLE PARTY.	ALC: NO. OF	and free states		dan sana sa	Borning				
METHO	DS (describe)	:		A-2942-2748			•				
Cleanin	g Equipment:		de	dico	tid or	ment le	audem	ind			
Purging	Ren	astaltic.	burn	D	Sampling:		Dane				
	I of Discharge		155-	taal							
		ite make, model,	I.d.)	y a							
Water L		CECIL	- interested		Thermometer:	1	151 59	te PRO	PLIS		
pH Mete	er: <u>Υ</u> ζ	15560			Field Calibration		7-4				
Conduc	tivity Meter:				Field Calibration	n:	1413				
Filter / F	ilter Size: ((DALLION									
		SUREMEN									
1444	Cum. Vol.	Purge Rate	Temp.		Spec. Cond.		Dedays (m) 4	Turbidity &	Water Depth		
	(gal. o(L))	(gal. or (./m))	(0C) 10 0	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)		
1654		-13	18,9	6.81	610			2.8	5.20		
1.59		13		6.79	598			17	5014		
1104		1/2	18,1	4.80	591			2.2	4.1,1		
110		11							4.57		
1722		, 12							7,54		
140.	tumer	1 the 1	puni	DON	, will	return t	menor	~			
1001				VI	0.00				1.10		
1016	ļ	_4!	16.7	7.25	234	5.51	97.6	6.1	8.57		
1021			16.9	129	232	5.43	961	2.4	8,92		
1034		12	16,9	7,29	231	5.42	94.7	2,7	9.36		
Water Lev	/el (ft. BMP) a	t End of Purge:	9.3	6		Sample Intake I	Depth (ft. BMP	5' OFF	BOMDIN		
NAME AND ADDRESS OF TAXABLE PARTY.	LE INVEN	TERMINE FOR THE PARTY OF THE PA		Manager					Concern Content of Contractory of Content of		
	and the second se	ttles Collected			Filtration			Remark	3		
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation		lity control sa	mple, other)		
1035	250ML	P			N	HND3	TOTAL	METALS			
1035	250mL	P			Y45	HND3	DISSOL	VED	memals		
1015	25PML	P		1	N marrie		SULFA				
					-13						
		Sector relation of Providence of	A Party Carport		and the second		and the second				
Comment		15 6000	1=	20. (stor, Behlin				
104	r shr	IT TONE	CME	MC	· -	220	Double Ci	-			
1	NFILTE	RO-P	RESE	RVE	2	(512) 6	Round Ro 71-3434	ock, TX 786 Fax (512	564 2) 671-3446		
						(512)0	11-04-04		., ., ., ., ., ., ., ., ., ., ., ., ., .		

3/22/13

	GROU	INDWA	TER SAMI	LING	REC	ORD	Carl Street Williams	T F	AGE O	f
	Project N	umber: 17	55	Project N	Jame: F	XIDE-P	RISCO-	FDP	Date: 3-1	813
	Sample N	0	3R			2000	Starting Water	2		15,22
			II ID, etc.): B3	R			Casing Stickup			
		by: ITB					Starting Water	•		15,22
			of Welt TOCI	VC			Total Depth (ft.		18	15,52
797		Interval (ft. B	and the second	1-14			Casing Diamet			9,0
	Filter Pack	k Interval (ft. I	BGL):				Casing Volume	; (gal.):		_
	QUALI	TY ASSU	IRANCE				a second s			
	METHO	OS (describe)	:							
	Cleaning	g Equipment;	1 .	de	rdizo	tid or	ment le	quillen	ind	
	Purging		ustaltic.	pun	p	Sampling:		Dane		
	Disposa	l of Discharge		155-	taal	lon due	-			
	INSTRUM	ENTS (Indica	ate make, model,	I.d.)	-	<u> </u>			****	
	Water L	evel:	CECK			Thermometer:		151 55	ila	
	pH Mete	er: <u>V</u> S	1551e			Field Calibration	n;	1-4		
		livity Meter:	and and and the second se	6		Field Calibration		1413		Control of the second sec
					micru	Qther NR	B			
	SAMPL	And in case of the local division of the loc	ASUREMEN	TS		•				
	ILPIME	Cum. Vol. (gal. of L)	Purge Rate (gal. of L /m)	Temp.	-	Spec. Cond.	0.0	Deday (m) ()	Turbidity &	Water Depth
	1109	(gai. of C)	(gai o L /m)	(0C)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)
	HIU I			_UK	14_					
haliz	064.0									
3/19/13	0932		will is	e di	12-					
	l				10					
	Water Lev	el (ft. BMP) a	t End of Purge:	DR	Y Y		Sample Intake I	Depth (ft. BMP)	BOTTOM	L .
	SAMPL	E INVEN							and the second	
			ttles Collected			Filtration			Remarks	
	Time	Volume	Composition		No.	(Y / N)	Preservation		ity control sam	ple, other)
	NUS	HMPL	ES COL	LECT	ED	, WEL	6157)RY		
					-					
								and the second second		
	Commente							stor, Behlin	-	
							2201	Double Cro		
							(612) 6	Round Ro 71-3434	ck, TX 7866 Fax (512)	
							(012)0	1 1-0404	1 ax (912)	07 1-0440

	TER SAM		And in case of the local division of the	A CONTRACTOR OF THE R. P. CO.		La la segura de la s		of
	55	Project N	Name: E	XIDE-P			Date: 3-	18-13
	34R				Starting Water		9.00	Tetsh
ampling Location (we	all ID, etc.): 51	112			Casing Stickup			1 2 1 18
ampled by: TB					Starting Water		9.0	
leasuring Point (MP)	the second s	PUC			Total Depth (ft.		9	11,90
creened Interval (ft. I		4-4			Casing Diameter		(Antonio)	<u> </u>
Iter Pack Interval (ft.	THE OWNER AND A DESCRIPTION OF A DESCRIP	the second s			Casing Volume	(gal.):		
UALITY ASSU								
METHODS (describe):			1 /				
Cleaning Equipment	1.01-	, d	edico	tid or	meur e	guilen	nd	
Purging:	nastalitic		p	Sampling:		Dane		
Disposal of Discharg		55	togal	lon due	in			
STRUMENTS (Indic		l, l.d.)	5			1.4		
Water Level:	KECK			Thermometer:	_	151,55		
pH Meter:	51 556	~1		Field Calibration		1-4		
Conductivity Meter:	YSI SI			Field Calibration	Charles Charle	1413		
Filter / Filter Size: (and the second second second second	And a state of the second s	micro	Qther: NR	45	Public of the Other Distance		
AMPLING ME	of the local division of the local division of the	No. of Concession, Name	·	and the second				
Time (gal. orf.)	Purge Rate (gal. or L /m)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)
916	19	15.4	6.98	883	<u> </u>	. (egov (ma)	10.7	9.107
1921	12	15.4	6.99	817			7.3	10 12
-10-1	143	11219	10.11	101			1.2	W.IZ
1924 - tam	led h			74 (0)		1 +4	11.0	l in t
1424 - tan	for for	pup	12	,39 (PI	n an	A TH	vel	e went
1936-well	I ie du	1						
	HAR OUL	Q	{					
migre was		11						
		<u> </u>					101	11
1934							191	11,56
							191	11,56
		Ø					191]1 5 6
							191] ,\$ 6
834 /ater Level (ft. BMP)	A DESCRIPTION OF TAXABLE PARTY.	DR	 		Sample Intake I	Depth (ft. BMP		
834 fater Level (ft. BMP) AMPLE INVER	NTORY	DR	ц Ч		Sample Intake I	Depth (ft. BMP		
1834 later Level (ft. BMP) AMPLE INVER B	NTORY ottles Collected			Filtration		1): <u>6</u> " bFF Remark	воттим s
834 (ater Level (ft. BMP) AMPLE INVER B Time Volume	NTORY ottles Collected Composition		<u></u> Ч	(Y / N)	Preservation	(qua): 6" pEF Remark lity control sar	ይወታቸው ሥ s nple, other)
834 ater Level (ft. BMP) AMPLE INVER B Time Volume 950 250 ML	NTORY ottles Collected Composition			(Y/N) V-10	Preservation HND3	(qua TOTAL	ETAL	s nple, other)
1834 Tater Level (ft. BMP) AMPLE INVER B Time Volume 1950 250 ML 1950 250 ML	NTORY ottles Collected Composition			(Y / N)	Preservation	(qua	ETAL	s nple, other)
834 ater Level (ft. BMP) AMPLE INVER B Time Volume 950 250 ML	NTORY ottles Collected Composition			(Y/N) V-10	Preservation HND3	(qua TOTAL DISSOL	Remark Remark Ity control sar MENA (VED MI	s nple, other)
1834 Tater Level (ft. BMP) AMPLE INVER B Time Volume 1950 250 ML 1950 250 ML	NTORY ottles Collected Composition			(Y/N) V-10 V145	Preservation HND3	(qua TOTAL	Remark Remark Ity control sar MENA (VED MI	s nple, other)
834 (ater Level (ft. BMP) AMPLE INVER B Time Volume 950 250 mL 950 250 mL 950 250 mL	NTORY ottles Collected Composition			(Y/N) V-10 V145	Preservation HN03 HND3 —	(qua TOTAL DISSOL SUILFY	Remark Remark METAL VED MI	BOTTOM s nple, other) S STALS
834 ater Level (ft. BMP) AMPLE INVER B Time Volume 950 250 mL 950 250 mL 950 250 mL	NTORY Ottles Collected Composition	(G, P)	No.	(Y/N) V~10 Vi45 N	Preservation HND3 HND3 Pa:	(qua TOTAL DISSOL SULF# stor, Behlin	Remark Remark MENAL VED MU ITE g & Wheele	BOTTOM s nple, other) S STALS
834 ater Level (ft. BMP) AMPLE INVEN B Time Volume 850 250 mL 850 250 mL 850 250 mL 105 ENUUGH	MIATER	P FUR	No. ↓ ↓ ↓ ↓ ↓	(Y/N) V-10 Vi45 N	Preservation HND3 HND3 Pa:	(qua TDTAL DISSOL SULF# stor, Behlin 1 Double Crit	Remark Remark MENA (VED MI ITE g & Wheeld eek Dr., Su	BOTTPM s nple, other) S STALS Pr, LLC ite 4004
834 ater Level (ft. BMP) AMPLE INVEN B Time Volume 850 250 mL 850 250 mL 850 250 mL 105 ENUUGH	NTORY Ottles Collected Composition	P FUR	No. ↓ ↓ ↓ ↓ ↓	(Y/N) V-10 Vi45 N	Preservation HND3 HND3 — Pa: 220	(qua TOTAL DISSOL SULF# stor, Behlin	Remark Remark ity control sar MENA (VED M ITE g & Wheele sek Dr., Su ck, TX 786	BOTTPM s nple, other) S STALS Pr, LLC ite 4004

CPO				DEC				AGE 0	f [
-	10	Contraction of the local division of the loc		COLUMN DESIGNATION		0			
Project N			Project N	lame: E	XIDE-P			Date: 3-22	
	lumber: B-	and the second se				Starting Water		i:	10,13
in the second second	Location (wel	1D, etc.); B	5M	-		Casing Stickup	(ft.):		
	by: JTB					Starting Water	Level (ft. BGL)		10,13
Measurin	g Point (MP) o	of Welt. TOL F	NC		Total Depth (ft.	BGL):	14.5		
Screeneo	Interval (ft. B	GL):	6.5-	ller	2	Casing Diameter	ər (in iD):		4,0
Filter Pac	k Interval (ft. I	3GL):				Casing Volume	(gal.):		
QUAL	TY ASSU	RANCE							
METHO	DS (describe)		1					3	
Cleanin	g Equipment:		di	diren	tid or	ment l	auleme	ind	
Purging		astalitic.	burn	5	Sampling:		nane		
	al of Discharge		155-	taal					
A CONTRACTOR OF A CONTRACTOR A	Contraction of the second	te make, model,	14)	gue	Dove Inn				
Water L		CECIL	1.0.7		Themometer:		51 55	te pro	PLAC
pH Met		1 Ster	CA PL	VS	Field Calibration	.	7-4		1.00,3
	tivity Meter:			the second second second	Field Calibration		1413		
					Other: NR				
		SUREMEN		Inco	april. 10 p		Warner of Ward and Address of the	and the difference	
No BOLINSON	Cum VoL	Purge Rate	Temp.		Spec. Cond.	r		Turbidity &	Water Depth
ILS B	(gal. or	(gal. or L/m)	(oC)	pН	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)
1108		110	17.5	671	2910	0.48	40.8	1910	10.17
1113		ille	17.2	6.73	2790	0.44	27,2	1731	10.17
1118			17.3	6.74	2760	nur	27,1	1710	10.17
1110		-110	102	1-1-1	2160	1.42	I I	-1-14-	1011
Water Lev	/el (ft. BMP) a	t End of Purge:	10,	17		Sample Intake I	Depth (ft. BMP)	31 DEE	ROMAL
ILL DOM DOWN THINKS	LE INVEN	THE REAL PROPERTY OF THE PARTY		14		Campio Intere	Septim (in: Office)	· J WI	ponos
	and the second se	ttles Collected		******	Filtration			Remark	9
Time	Volume	Composition	(G, P)	No.	(Y/N)	Preservation	(qua	lity control san	-
1125	250ML	P			X-10	HND3		NETALS	
1125	250mL	6	· · · · · · · · · · · · · · · · · · ·		4-,45	HNO3		VED ME	3791 17
1125	260mL	0					72.3	1	
11-1	29VIIL				N		SULFA	IE	
		And allocate the second							
Comment	s:					De	stor Deblin	a & Mhoole	
1(FQ	- QUIT	TIME M	Engl	5			stor, Behlin I Double Cr	-	
P	1000 0	TIML M D-PRESI	COL	1	10-11-11-1-1	10		ck, TX 786	
	ILIEI- EI	- rices	erve	^v		(512) 6	71-3434) 671-3446

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GROL	JNDWAT	TER SAM	PLING	REC	ORD		F		of
Project Nu	umber: 17	55	Project N	ame: E	XIDE-F	RISCID-	FOP	Date: 3-/	8-13
the second se	lumber: B7					Starting Water		:	13.96
Sampling	Location (wel	1 ID, etc.); B	M			Casing Stickup			
	by: ITB					Starting Water	Level (ft. BGL):		13,94
		of Welt. TOCI	NC	8		Total Depth (ft.		24	·
	Interval (ft. B		14-2	Ч		Casing Diameter			4,0
Filter Pack	k Interval (ft. E	3GL):		-		Casing Volume	(gal.):		
QUALI	TY ASSU	RANCE	41						
METHO	DS (describe)	:					``		
Cleaning	g Equipment:	1 4 1	de	dica	ted or	ment en	gulene	int	
Purging	Ren	aptaltic.	prine	0	Sampling:		Dane		
Disposa	l of Discharge		55-	aal	lon due	n			
		ite make, model.	I.d.)	9-0					
Water L	evel:	LECIL			Thermometer:	`	151 55	56	
pH Mete	er: <u>VS</u>	1556			Field Calibration	n:	1-4		
Conduc	tivity Meter:	YS1 55	ila_		Field Calibration) :	1413		
Filter / F	ilter Size: ((DALLION	\$ 45	micru	Ather: NE	B			
SAMPI	LING MEA	SUREMEN	TS						
1413 Time	Cum. Vol-	Purge Rate	Temp		Spec. Cond.			Turbidity &	Water Depth
	(gal. o(L))	(gal. o(L/m)	(OC)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color 24	(ft BMP)
1423		112	19.7	7.62	3270			27_	19.24
1428		12	19.6	7.55				51	19,31
1433	ļ	11	19.4	7.56	3274			31	14,41
						· · · · · · · · · · · · · · · · · · ·			
Mater Les	al (# BMD) a	t End of Purge:	14,4	1		Sample Intake	Donih (fi BMD)	5 000=	Barnia
HOLEN BEAT THE REAL PROPERTY.		the set of the second se	100	1		Sample intake		1. 5 .11	where
	and the second se	ttles Collected			Filtration			Remark	•
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation	(qua	lity control sar	
1445	240m	P			4-10	HND3		METALS	and a second
1445	Same	6			445	HNOS	and a second	VED ME	
	250ML	0				1.11			
(174)	dynin				N		SULFAT	۲	
Comment	s:					Pa	stor, Behlin	a & Wheeld	er, LLC
SPLIT	SAMPLE	S WIDt	TCEA	- FII	IPRED.		1 Double Cr	-	
TONOI	LINEMI	S	1 - M		ESERVED		Round Ro	ck, TX 786	64
1.6.1				14	DUNYUP	(512) 6	71-3434	Fax (512) 671-3446

	GROL	INDWAT	TER SAMI	PLING	REC	ORD		F		of		
	Project N		55	COLUMN THE	State of the local division in	XIDE-F	215000		Date: 4-1	9-13 -		
	Sample N	0.	911	FIDJECT		KIUC I	Starting Water	evel (ft BMP)	1	P R. WIL		
			1 ID, etc.): B9	N			Casing Stickup		•	- 18		
	1	by: ITB		10			Starting Water Level (ft. BGL); 8.0376					
			of Welt. TOCI	DUC.			Total Depth (ft. BGL):					
365		Interval (ft. B	and the second	7-1-	1		Casing Diamete			a4,0		
		c Interval (ft. E				Casing Volume (gal.):						
	WINA MEAN ALCONG	TY ASSU	ALCOLOGIC CONTRACTOR AND	November of Statute	Shann yaafi Disenyeri	LINE PERSONNAL AND A DESCRIPTION OF A DESCRIPANTE OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DE	directory work of the constraints	and a subscription of the				
	METHO	OS (describe)	and the second									
		g Equipment:		di	din	ted or	ment or	quillen	INI			
	Purging	Ren	ustaltic.	bum	D	Sampling:		Trank	/X			
		l of Discharge		55	taal							
			te make, model.									
	Water L		LECIL			Thermometer:	1	151 55	slo			
	pH Mete	110	1556			Field Calibration	n:	7-4				
	Conduc	livity Meter:	YS1 55	sla		Field Calibration	n:	1413				
	Filter / F	ilter Size: ((pullion	\$,45	mica	Ather: NR	B					
	SAMPL	and a second	SUREMEN		I BULLYLO-MARKED							
DAIL		Cum. Vol.	Purge Rate	Temp.	And Electric Crite	Spec. Cond.			Turbidity &	Water Depth		
D914	1	(gal. o	(gal. or (/m)	(00)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)		
	0924		12	16.7	5,57	2530	0.62	89.3		8,91		
	0929			16.1	5,61	2560	0.59	87.4		8,94		
	0934			16.2	5.62	2570	0,58	87.6		8,94		
					L							
					Ļ							
	J											
										and the local sectors of		
	Water Lev	el (ft. BMP) a	t End of Purge:	8.0	14		Sample Intake i	Depth (ft. BMP	: 3'OFF	BORDOM		
	SAMPL	E INVEN	A REAL PROPERTY AND A REAL							RESIDENT CONTRACTOR		
			ttles Collected		1	Filtration	Contraction of the second second		Remark	•		
	Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation		lity control sar			
	1000	250ML	Y				HNO3	TOTAL				
	1000	250ML	- Pa-			V-145	HN03	DISSOL	VED M	emals		
	1000	250ml	Ľ				-	SULFA	TE			
	- d.	plico	te la y	hie	wel	1 -	DVP-1					
		1	and Mounte Personal and	and the second second		Care and a second second second		an and a survey of the				
	Commente	2.			+			stor, Behlin	-			
							2201	I Double Cr Round Ro	eek Dr., Su ck, TX 786			
							(512) 6	71-3434) 671-3446		
							(=-=, *		(<u>-</u>			

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GROU	JNDWAT	ER SAMF	PLING	REC	ORD	PAGE of			of			
Project N	umber: 17	55	Project N	lame: E	XIDE-F	RISCO -	FOP	Date: 3-1	8-13			
Sample N	lumber: ML	0-10			distant and a second	Starting Water			8.09			
		1 1D, etc.): M k	1-10	(Casing Stickup			- 1			
	by: ITB					Starting Water Level (ft. BGL): 8,09						
		Welt.TOLI	NC			Total Depth (fl. BGL):						
	Interval (ft. B		7-17			Casing Diameter (In ID):						
Filter Pac	k Interval (ft. E	BGL):				Casing Volume		290.000	-			
QUAL	TY ASSU	RANCE										
METHO	DS (describe)						×	-				
Cleanin	g Equipment:	1 4 5 -	de	ment en	auleme	int						
Purging	Ren	astaltic.	burn	p	Sampling:		Dane					
Disposa	al of Discharge		155-	taal	lon due	h						
		te make, model.	I.d.)	9-0								
Water L		COCIL			Thermometer:	~	151,55	il.				
pH Mete	er: YS	1556	-		Field Calibration	1:	7-4					
Conduc	Conductivity Meter: 151556 Field Calibration: 1413											
Filter / Filter Size: (Uplicion \$,45 micrugher: NRB												
SAMPLING MEASUREMENTS												
1321 Time	Cum. Vol. (gal. of L)	Purge Rate (gal. of L/m)	Temp. (oC)	Hq	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)			
1336	(gan (G)	12	19.4	2.34	2001		1.0000 (11.07)	5.8	8,39			
1211		112	19.6	1.36	1994			3.9	0 01			
1541		-141	and the second sec		1004	<u> </u>			8.51			
1346		<u>t1</u>	19.6	7,38	1474			3,2	8.54			
									•			
				ļ								
l												
					1							
Water Lev	vel (ft. BMP) a	t End of Purge:	Bic	54		Sample Intake I	Depth (ft. BMP)	: 4.5' n	of Bottom			
C. C	LE INVEN	IL FLERE WALK TO A THE REAL OF THE			h ,		an a da mana da mana mana a da	and the second				
	and the second se	ttles Collected			Filtration			Remark	'S			
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation		lity control sar				
1400 250ML P I N HNO3 TOTAL MEDALS												
1400	asome	P			1-,45	HAND3	DISSOLU	ED ME	TALS			
1400	250m	P			N	-	SULFAT					
									Contraction of the second s			
Common		40127888888888888888888888888888888888888					C					
Comment	the second s	11 11 01	1000			Pa	stor, Behlin	-				
		ES WITH	ILEG			p) 220 [.]	Double Cr	eek Dr., Su ck, TX 786				
1004	I pral metals preserved						71-3434		2) 671-3446			
								,				

 $\hat{\mathbf{x}}_{\mathbf{a}}$

GRO	UNDWA	TER SAM	PLING	REC	ORD		F		of(
Project N	umber: 175	55	Project N	lame: F	XIDE-F	21500	Castory construction for Construction	Date: 4-9	13			
	Number: ML			~	ELCC L	Starting Water		in a second s	7.1.4			
		11 ID, etc.): ML	N-11			Casing Stickup	-					
	by ITB					Starting Water Level (ft. BGL): 7.64						
		of Well. TOL	PUC-			Total Depth (ft.						
	I Interval (ft. B		7.1	7		Casing Diamet	-		4,0			
1	k Interval (ft. I		-1-1-	•		Casing Volume						
NAME OF ADDRESS OF TAXABLE PARTY.	TY ASSU	NAME AND ADDRESS OF TAXABLE PARTY.	NAME OF BRITS ASSOCIATED OF		und protocological and protocological	Casting Volume	(901.).		and the second second			
A DESCRIPTION OF THE OWNER	DS (describe)	CONTRACTOR & DOLLAR THE POST OFFICE AND		Barratte Same		Indette contraction		and the second state of th	Contraction of the second second			
	g Equipment:		di	dica	tid a	ment e	auleme	end				
Purging	Ren	ustalitic.	bim	D	Sampling:		Dane	6X				
Disposal of Discharged Water: 55-0 allon durin												
INSTRUMENTS (Indicate make, model, I.d.)												
	Water Level: KECK Thermometer. 151 55L											
pH Mete	er: <u>VS</u>	1 556			Field Calibration); 	14					
Conduc	tivity Meter:	YS1 55	56		Field Calibration	1:	1413					
Filter / Filter Size: (Onicion \$,45 micrugher. NRB												
SAMPLING MEASUREMENTS												
Lur 2 Curr. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Water Depth Time (gal. o(L)) (gal. o(L/m)) (oC) pH (minhos/cm) D.O. Redox (mV) Color (ft BMP)												
	(gal. of L))	(gal. or(L/m))	(OC)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)			
1612		<u></u>	19.7	7.0	1060	2.16	87.1	6.7	1:16			
1615		.12	19,8	7.03	1030	1.97	8519	2,8	777			
1622			19.8	7.04	1040	1,99	86.4	3,4	7,77			
	1											
									······			
			57	2				11'	2.00 11			
	LE INVEN	t End of Purge:	Lel			Sample Intake	Depth (ft. BMP)	· 9 DFF	BONDIN			
SAMP	CONTRACTOR OF THE OWNER WATER	tties Collected	-	-			1	-				
Time	Votume	Composition	(G P)	No.	Flitration (Y / N)	Preservation	(ape	Remark ity control sar				
1635		P	(0, 1)		(1/10)	HNO3	TOTAL					
	SOML	p		1	4-,45	the product of the state of the			and the second			
1635		0			1.42	HANO3	DISSOLVED METALS					
1635	250mL	<u>r</u>					SUCFA	IE				
and the second second								Aug. 2010				
Comment	8:					Da	stor, Behling	a & Whoeld				
								-				
			•••••			2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664						
						(512) 671-3434 Fax (512) 671-3446						
Constant and the second second												

GROUNDWATER SAMPLING RECORD FBA PAGEof Project Number: 755 Project Name: EXIDE - FRISCO-WaterBatch Date: 3-13-13 Sample Number: MU-12 Starting Water Level (ft) BMP): 81,22 Sample down (well ID, etc.): MU-12 Casing Stickup (ft.):											
Sample Number: MW-12 Starting Water Level (ft/BMP): 81,2-2 Sampling Location (well ID, etc.): MW-12 Casing Stickup (ft.): 77 Sampled by: TB Starting Water Level (ft. BGL): 77 Measuring Point (MP) of Well: PUC Total Depth (ft. BGL): 18.5 Screened Interval (ft. BGL): 8-18,5 Casing Diameter (In ID): 4.0 Filter Pack Interval (ft. BGL): Casing Volume (gal.): 70 QUALITY ASSURANCE 100 100 100											
Sampling Location (well ID, etc.): MU-12 Casing Stickup (ft.): — Sampled by: TB Starting Water Level (ft. BGL): 8,22 Measuring Point (MP) of Well: PUC Total Depth (ft. BGL): 18,5 Screened Interval (ft. BGL): 8-18,5 Casing Diameter (In ID): 4.0 Filter Pack Interval (ft. BGL): Casing Volume (gal.): — QUALITY ASSURANCE — —											
Sampled by: 11B Starting Water Level (ft. BGL): 8,22 Measuring Point (MP) of Well-TOL PUC Total Depth (ft. BGL): 18,5 Screened Interval (ft. BGL): 8-18,5 Casing Diameter (In ID): 4,0 Filter Pack Interval (ft. BGL): Casing Volume (gal.): 9,0 QUALITY ASSURANCE 10,0 10,0											
Measuring Point (MP) of Well: TOL PUC Total Depth (ft. BGL): 18.5 Screened Interval (ft. BGL): 8-18,5 Casing Diameter (In ID): 4.0 Filter Pack Interval (ft. BGL): Casing Volume (gal.): 9.0 QUALITY ASSURANCE 18.5 18.5											
Screened Interval (ft. BGL): 8-18,5 Casing Diameter (In ID): 4.0 Filter Pack Interval (ft. BGL): Casing Volume (gal.):											
Filter Pack Interval (fl. BGL): Casing Volume (gal.):											
QUALITY ASSURANCE											
METHODS (describe):											
Cleaning Equipment: Purging: perustaltic pump Sampling: Dane											
Disposal of Discharged Water: 55 gallon dum											
INSTRUMENTS (Indicate make, model, I.d.)											
Water Level: KBCK Thermometer. 151 556											
pH Meter: VSL 556 Field Calibration: 1~4 Conductivity Meter: VSL 556 Field Calibration: 14(3)											
Filter/FilterSize: (OMICION \$,45 MICRUPHER: NRB											
SAMPLING MEASUREMENTS											
I 34 7 Cum. Vol. Purge Rase Temp. Spec. Cond. Turbidity & Water Dep Time (gal. of L) (gal. or L/m) (oC) pH (mmhos/cm) D.O. Redox (mV) Color (ft BMP)											
1351, 12 20.0 6.75 371.8 8.6 8.9-											
1401 12 2011 677 3781 D 8,99											
1406 11 20.2 6.78 3786 10 8.99											
Water Level (ft. BMP) at End of Purge: 896 Sample Intake Depth (ft. BMP): 5' DFF BOTTON											
SAMPLE INVENTORY											
Bottles Collected Filtration Remarks											
Time Volume Composition (G, P) No. (Y / N) Preservation (quality control sample, other)											
1410 250ML P I N HNDZ TOTAL METALS											
1410 250ML P I Y45 HNOZ DISSOLVED METRICS											
<u> </u>											
Comments: Pastor, Behling & Wheeler, LLC											
SPLIT SAMPLES WAT TELR - NONFILM RED 2201 Double Creek Dr., Suite 4004											
TOTAL MEMALS PRESERVED (EAD) STA 2424 EAX (EAD) STA 2424											
(512) 671-3434 Fax (512) 671-3446											

GROL	INDWAT	ER SAMI	LING	REC	ORD		P		ıf			
Project Nu	NAME AND ADDRESS OF TAXABLE PARTY.	155	to do the second second second	All statements and all statements	NAME OF TAXABLE PARTY IN COMPLETE OF TAXABLE PARTY.	RISCO-	Dry FOP	Date: 3-13	3-13			
Sample N			110,00111			Starting Water			15,42			
		1 ID, etc.): Mu	1-13			Casing Stickup			-			
	by: ITB					Starting Water Level (ft. BGL): 15,42						
		Welt. TOL				Total Depth (ft.		22				
	Interval (ft. Bo		12-2	2		Casing Diamete		~~	4.0			
	c Interval (ft. E		in a	<u> </u>		Casing Volume			11.0			
Internet of the local data in the local data	TY ASSU	NAME AND ADDRESS OF ADDRE		and the public descent to	and the first states	Casing volume	(gai.).		the excelent of a second			
	DS (describe)	Color at all \$1000 in party of \$100				an dala mangan panangan dipana di						
	g Equipment:	1 (AC)	quileme	int								
Purging	Ren	astaltic.	pun	ndiria 12	Sampling:		Dane					
	Disposal of Discharged Water: 55 to allon dur											
		ite make, model	and the second second	gia								
	Water Level: KBUK Thermometer. 151,556											
pH Mete	er: Υζ	1556			Field Calibration	1;	1-4					
Conduc	tivity Meter:	YS1 55	56		Field Calibration	1:	1413					
Filter/Filter Size: (UMICION 3, 45 MICRUPITER: NRB												
SAMPLING MEASUREMENTS												
1220 1270	Cum. Vol.	Purge Bate (gal. or (L/m)	Temp.		Spec. Cond.		PAR-PAR-PAR-PAR-PAR-PAR-PAR-PAR-PAR-PAR-	Turbidity &	Water Depth			
	(gal. o(L))	(gal. or (_/m)	(OC)	pH	(mmhos/cm)	D.Q.	Redox (mV)	Color	(ft BMP)			
1229		10	21.2	7.42	3104			56	12.12			
1234		.10	21.2	7.40	3109			41	15,13			
1241		10	21.2	7.40	3110			39	15.73			
]							
	1			í								
				1								
 		L	1.0			I						
NAME AND ADDRESS OF TAXABLE PARTY.	AND DESCRIPTION OF TAXABLE PARTY.	t End of Purge:	1151-	13		Sample Intake	Depth (ft. BMP): 3 OFF	BOTTOM			
SAMP	LE INVEN	the second s			Property and the owner of the local division							
	1	ttles Collected	(0.5)		Filtration			Remark				
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation		lity control sa	mple, other)			
1255 256ML P 1					<u>Y-10</u>	HND3		METHL	man			
1255	250nc	- Y			445	HND3	DSd	TEO W	AALS			
Comments:												
SOLI-	SPLITSAMPLES WITH TOEQ-FILTBRED						stor, Behlin L Double Cr	-				
201		NUS WILL										
101-	TCER TOOK A MS MSD					Round Rock, 1X 78664 (512) 671-3434 Fax (512) 671-3446						
TCEO	L TOOK	A MS MST)									

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GROU	JNDWAT	TER SAMI	PLING		FOR F		of					
Project N	umber: 17	55	Project N	lame: E	XIDE-P	215C12-0000000 Date: 3-13-13						
and the second day of the seco	lumber: MI	1-14				Starting Water Level (ft. BMP): 5.8/						
		IID, etc.): MU	1-14			Casing Stickup (ft.):						
	by: ITB					Starting Water Level (ft. BGL): 5,8						
		of Well-TOL	PUC			Total Depth (ft.		17				
	Interval (ft. B		7-17			Casing Diameter	-		4.0			
	k Interval (ft. E					Casing Volume						
NAME AND ADDRESS OF TAXABLE PARTY.	TY ASSU	The local division of					13-11					
METHO	DS (describe)	:						1				
Cleaning Equipment: dedicated of new equipment												
Purging: Renastaltic burne Sampling: Dane												
Disposal of Discharged Water: 55 - A allon durin												
INSTRUMENTS (Indicate make, model, I.d.)												
Water Level: KECK Thermometer. <u>151,550</u>												
pH Meter: <u>YSLSSLe</u> Field Calibration; <u>1-Y</u>												
Conductivity Meter: 151556 Field Calibration: 14(3												
Filter / F	Filter/Filter Size: 10 MICTON \$,45 MICRUPHER: NRB											
SAMPLING MEASUREMENTS												
1308 Time	Cum. Vol.	Purge Rate (gal. or (./m))	Temp.	-11	Spec. Cond.	DO	Redox (mV)	Turbidity & Color	Water Depth			
1317	(gal. or L)		(OC) 11,9	pH 10:2	(mmhos/cm) U295	D.O.	Redux (mv)		(ft BMP)			
_			and the second sec	7.07					6.V/			
1321			17.8		4296			21	6.67			
1327		10	17,8	7,08	4290			23	6.49			
				1								
		· · · · · · · · · · · · · · · · · · ·										
L			11	a				cela	~ .			
	lei (ft. BMP) a LE INVEN	t End of Purge:	6.6			Sample Intake	Depth (ft. BMP)): 215 01	- BOTTOM			
SAMPI	THE R. LEWIS CO., NAME AND ADDRESS OF	Itles Collected		-								
Time	Volume	Composition	(G P)	No.	Filtration (Y / N)	Preservation	(000	Remark lity control sar				
1222	JSOML	P	(0, F)	140.	Y-10	HN03						
צילכן	asome	F			445	HND3	PISSO	LYEU	METALS			
		And Control of Control										
Comment	S:					Pa	stor, Behlin	a & Wheel	er. LLC			
SPLE	T SAMP	LES WITH	TCER	2 ~ F	ILTERED		I Double Cr					
11/104	L META	H S			ESERVE	h	Round Ro	ck, TX 786	64			
					(512) 6	71-3434	Fax (512	2) 671-3446				

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GROU	INDWAT	ER SAM	LING	alon albhaidh an Glanda	F		f				
Project Nu	mber: 119	5	Project N	ame F	XIDE-P	RISCO	the state of the	Date: 4-0	-13		
	umber: M		1 10/00110	0.110. C	NIQC I	Starting Water			8.24		
The second se	a company to the second s	ID, etc.): MW	-11,		dealers and the second	Casing Stickup			_		
Sampled L			10			Starting Water	•		8.24		
		f Welt TOL	2110-			Total Depth (ft.		· 2			
	Interval (ft. Bo		yu			Casing Diameter	-		4.0		
	Interval (ft. E					Casing Volume					
A REAL POINT AND INCOME.	TY ASSU	And the local day of the second day in the local day of t				Todding Volumo	(90).				
METHOE	S (describe)			And it should be							
Cleaning	Equipment:	1 4 5 -	de	dica	ted or	ment en	gulen	int			
Purging:	per	astalitic.	burn	0	Sampling:		Dane				
Disposa	of Discharge		155-	all	lon du	n					
INSTRUMENTS (Indicate make, model, I.d.)											
Water Level: KECK Thermometer. 151,556											
pH Meter: <u>YSLSSLe</u> Field Calibration; <u>1-4</u>											
Conductivity Meter: 451556 Field Calibration: 14(3											
Filter/Filter Size: (Opucion \$,45 micrugither: TVPB											
SAMPLING MEASUREMENTS											
Hime Curr. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Water Depth (gal. or L) (gal. or L/roy) (oC) pH (mmhos/cm) D.O. Redox (mV) Color (ft BMP)											
1429		12	21.4	726	1.70	2.62	86.2	5.05	8,36		
1434		12	71.5	7.24	16/0	2.110	84.9	5.7	8.36		
14139			21.5	7.24	1000	2,18	84.7		B136		
14151			212	1.09	160	2110	09.1	6.2	8150		
ļ											
						•					
Water Low	el (ft BMD) a	t End of Purge:	03	10		Sample Intake	Depth (# BMP	4'DEC	BARDULA		
THE R P. LEWIS CO., NAME OF TAXABLE PARTY.	E INVEN	THE REAL PROPERTY AND ADDRESS OF THE PARTY	0.2	<u>v</u>		Sample make	Departit. Divi	<u>/ 1 /// </u>	3010100		
		ttles Collected			Filtration	Γ		Remark	e		
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation	(qua	lity control sar			
1460	JSUM	P	- 1 - 1	T	N	4403		METAL	a hard a second s		
1440	251mL	P			445	4403			NETALS		
JUSD	250m	P		1		- Incore	SULFA	the second of the second second second			
1100	-							· v			
					ACT IN CONTRACTOR OF MALES						
Commente		0 = 01 = C	6.00	100			stor, Behlin	-			
TUCK	SULL	iamples.	100	rus	2201 Double Creek Dr., Suite 4004						
Dus	LICATE	AT 11-15	WEL	L.		Round Rock, TX 78664 (512) 671-3434 Fax (512) 671-3446					
								·			

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GROI	INDWA	TER SAM		REC	PAGE of							
distance of the party is	the second state does not be used	55	and the second data in the second data	Conversion in the local division in the		DICAS		Dale: 4-	9-13			
Project N	100	WILS	Project	lame: E	XIDE-F	Starting Water Level (ft. BMP): 93,79						
Sample N			1211.0					i:				
		II ID, etc.): M h	10:)		Casing Stickup (ft.):						
	by: ITB					Starting Water Level (ft. BGL):						
		of Well. TOL	PUC			Total Depth (ft.	-					
Screened	Interval (ft. B	GL):				Casing Diameter	er (in ID):	-	4,0			
WINDOWSKI, MICH.	k Interval (ft. I	No. of Concession, Name of Street, or other Designation, or other			and the second second second second	Casing Volume	(gal.):					
QUALI	TY ASSU	RANCE		and the second second								
METHO	DS (describe)			_	·····		`					
Cleaning	g Equipment:	1 4 1 -	_d	diño	ment e	guene	nd					
Purging	Jeen	iastaltic.	prine	p	Sampling:	_	Dane					
Disposa	I of Discharge		155-	taal								
INSTRUM	IENTS (Indica	ate make, model	, I.d.)	- <u>y</u> -c								
Water L	evel:	LECIK			Thermometer:	`	151 55	sl				
pH Mete	er: YS	1556			Field Calibration	1;	7-4					
Conduc	tivity Meter:	YS1 55	56		Field Calibration	1:	1413					
Filter / F	Filter / Filter Size: (Oplicion \$,45 micrugither. NBB											
SAMP	LING MEA	SUREMEN		andra ana 24 April 19	e o feneten sen en en fer de sen d	AND IN CONTRACTOR						
1314 171me	1314 Cum. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Water Depth											
	(gal. or(L))	(gal. or L /m)	(0C)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)			
1324		12		604	8530	0.45	56.2	6.8	8.36			
1329		.12	21.0	6.05	3530	0.32	61.1	6.3	8,9%			
1334		12	20.8	6.05	8510	0.29	61.4	7.9	3.86			
							1.55					
			1									
			5 10									
THE R P. LEWIS CO., LANSING MICH.	A A PROPERTY OF A DESCRIPTION OF A DESCRIPA DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION O	t End of Purge:	8.3	6		Sample Intake I	Depth (ft. BMP)	: 3' OFF	BOTTOM			
SAMPI	LE INVEN											
There :	1	tties Collected		[Filtration			Remark	-			
1345	Volume	Composition	(G, P)	No.	(Y / N)	Preservation		lity control sai				
	250ml	p		<u> </u>	N	HN103		MEMIL				
1345	250ML			4	445	HN03	DISSOL		METALS			
1345	250ml	P			-	·	SUFA	TE				
0							With the second second second					
Comment			A . C	()	AL		stor, Behlin	-	•			
fle	E SIL	IT sam	nes	121	he only	2201	Double Cr					
		w w ≊				Round Rock, TX 78664						
						— (512) 671-3434 Fax (512) 671-3446						

GROU	INDWAT	ER SAMP	LING	RECO	ORD	en el chien war chrenten be	P		.f			
Project Nu	mber: 17	55	Project N	ame: E	XIDE-F	RISCO-	FOP	Date: 3-2.	2-13			
	umber: MU	1-17			/	Starting Water I		2	8,49			
		ID, etc.): MW	-17			Casing Stickup (ft.):						
Sampled b		(((Starting Water Level (ft. BGL): 8.49						
	-	Welt. TOC P	NG			Total Depth (ft.		17	-			
	Interval (ft. Bo		7-1-	7		Casing Diameter		4,0) MOJB			
Statute being and and and and and	Interval (ft. B			1		Casing Volume						
	TY ASSU											
METHOD	S (describe)	(<u>`</u>					
Cleaning	Equipment:	1	de	diria	ted or	ment en	guleme	Ind				
Purging:	Ren	astaltic s	Dur	0	Sampling:		Dane					
	of Discharge		55-	all	lon due	n						
		te make, model,	I.d.)	- <u>y</u> -v								
Water Level: KECK Thermometer: 151,55C												
pH Mete	pH Meter: <u>YSLSSLe</u> Field Calibration; <u>1-Y</u>											
Conduct	ivity Meter:	YS1 55	6		1:	1413						
//	Filter/Filter Size: (Unicion \$ 45 micrupither: NRB											
SAMPL	SAMPLING MEASUREMENTS											
1300 Time	Cum. Vol. (gal. of D	Purge Rate (gal. o(L7m))	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)			
1310		,13	18,8	6.74	4640	0.95	65.2	68	8,64			
1211		14	18.8	6.55	4050	0.91	29.3	30	8.1.4			
12 71		.14	18.8	6.57	4060	0,90	29,7	24	RIU			
1241		-117	1.0	6,51	9000	01.00	<u> - 11</u>		0101			
								······				
l												
Water Lev	el (ft. BMP) a	t End of Purge:	8:6	Ч		Sample Intake	Depth (ft. BMP): 4' OFF B	ionom			
ACCOUNTS AND A DESCRIPTION OF	EINVEN	The second se			And in the second second second		and the second second second					
	and the second se	tlies Collected			Filtration			Remark				
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation		lity control sa	mple, other)			
1330	260ml	<u> </u>			4-10	NNO3	TOTAL	MEDAL	5			
1330 250mL P 144						HN03	DISSOL	Ver p	IETALS			
1330	29ml	ſ			N		SULFAI		17 1			
Comments:							ofor Babila	a & Wheel				
TOER-SPLIT SAMPLES FOR TIMAL METAL						S 220	stor, Behlin 1 Double Cr					
- LUR	CUMPAND ORCSON LOO					/ 220		ck, TX 786				
FICIE	FINBLED PRESERVED						571-3434		?) 671-3446			

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GROL	INDWAT	ER SAM	LING	REC	ORD	PAGE of					
Project Nu	imber: (ጎና	55	Project N	ame: E	XIDE-F	RISCID-1	FOP	Date: 3~/	8-13		
	umber: MI	1-18		an a sea an Tim		Starting Water		:	3,02		
	Location (wel		W-12	3		Casing Stickup					
	Dy: ITB		teri na mana da cam			Starting Water Level (ft. BGL): 3,02					
		of Welt. TOL	NC			Total Depth (ft.		1515			
	Interval (ft. B		5,5-1	5.5		Casing Diameter	-		4.0		
	c Interval (ft. E					Casing Volume			·		
CONTRACTOR OF THE OWNER.	TY ASSU	NAMES OF TAXABLE PARTY AND ADDRESS OF TAXABLE PARTY.			2. Martine and a stranger of the strange	And the second					
METHO	DS (describe)	:						4			
Cleaning	g Equipment:	1. 4. 1	de	dira	ment en	aulen	int				
Purging: Renastaltic burnes Sampling: Dane											
Disposal of Discharged Water. 55 gallon allen											
INSTRUMENTS (Indicate make, model, I.d.)											
Water L		CECK			Thermometer:	<u>``</u>	151,59	il			
pH Meter: <u>VSL SSL</u> Field Calibration; <u>1-V</u>											
Conductivity Meter: <u>YSLSS6</u> Field Calibration: <u>1413</u>											
Filter / Filter Size: (Unicron \$.45 microgher: NRS											
SAMPLING MEASUREMENTS											
1503 Time	Cum. Vol. (gal. ol.)	Purge Rete (gal. or L /m)	Temp. (oC)	Hq	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)		
		(gai. di L'illy	16.9	7.33	1445	<u> </u>	Redux (mv)	4,8	3.44		
1513		411	1. 1.					710			
1510		-11	1411	1.34	1458			3.1	3,5		
1523		-11	11.7	7,35	1400			2,)	353		
			L								
Alater Low	I (ft RMD) a	t End of Purge:	3.5	2		Sample Intake	Denth (# RMD	1. OFF	Routan		
122280000000000000000000000000000000000		COMPANY OF THE OWNER OF THE OWNER OF THE OWNER.	212	2		Cample make	oepar n. owr	1 12 ULT	DUIPE		
		ttles Collected			Filtration	press,	1	Remark	÷		
Time	Volume	Composition	(G, P)	No.	(Y/N)	Preservation	(gua	lity control sa	-		
1540	250mL	P	in the second		N	HND3	TOML				
IGUN	1540 250mL P 1				Y-,45	HND3	DISSOL		ETALS		
LUn	250ML	0		1	K/	- 011/2	SULFAT				
12-10				-+-	I¥		JULIT	L			
		A CONTRACTOR OF THE OWNER		an over many							
Comment	Comments:						stor, Behlin	g & Wheel	er, LLC		
SPLIT	SPLIT SAMPLES WITH TCED-NOW FILTERED										
TOMAL MEMALS PRESERVED							ck, TX 786				
10000		· · · · · · · · · · · · · · · · · · ·		1.1	(512) 6	71-3434	Fax (512	2) 671-3446			

GRO	JNDWA	TER SAM	PLING	REC	ORD				of		
Project N	umber: 17	55	Project N	Name: F	XIDE-P	RISCO		Date: 4-	8-13		
		14-21				Starting Water	Level (ft. BMP		3,17		
		II ID, etc.): ML	1-21			Casing Stickup (ft.):					
	by: ITB					Starting Water Level (ft. BGL): 317					
		of Well-TOC	PUC			Total Depth (ft.			15.35		
	Interval (ft. B		3-13	3		Casing Diamet	-		2.0		
	k Interval (ft. I	and the second second second second		*****		Casing Volume					
QUAL	TY ASSU	RANCE	And a mark the second			dan management and	and the second second				
METHO	DS (describe)	:	- When and a second	NOLAS SUBJECTION IN				and the second			
Cleanin	g Equipment:	1. 1	d	diño	tid or	ment le	aulen	int			
Purging	Ren	wataltic.	bismi	p	Sampling:		Dane				
Disposa	I of Discharge		155.	aal							
INSTRUMENTS (Indicate make, model, I.d.)											
Water L	slo										
pH Meter: 151 551e Field Calibration; 7-4											
Conductivity Meter: 151556 Field Calibration: 14(3											
Filter / Filter Size: 10 MICTON \$.45 MICTURE IVES											
		SUREMEN		TRANSPORT OF	an balance provinsi and a share to	entinonentari transmiti kation di	And the second second second second		and the two to the second s		
1251 Time	Cum. Vol.	Purge Rate	Temp.	Tal Dalog Tal	Spec. Cond.			Turbidity &	Water Depth		
		(gal. o(L/m))	(OC)	рН	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)		
1307		.11	18,1	6.41		1.06		113	5.96		
1312			1812	6.43		0,81		47	6.43		
1317	l	12	1811	6.44		0.82		44	6.91		
1318			tun	the	bundo		hacua	to the	well		
1319		.10		1	I U						
1325				1					8.21		
1330		20							9.69		
1340									11,76		
1350		,70							14.02		
1358		DRI	J						14.02		
1,70		UK.									
1020											
1030									5.61		
COLUMN TWO IS NOT		t End of Purge:	DR	Transment		Sample Intake	Depth (ft. BMP	SOFF	BOTTOM		
SAMPL	EINVEN	Test of the local data in the	And a state of the				performance teachers have		This is a second second second second		
Time	Volume	ttles Collected Composition	(C D)		Flitration	Desserveite		Remark	-		
	250ML		(0, P)	No.	(Y/N) 4~10	Preservation		lity control sa			
						HND3		META			
	asome	<u>r</u>		-	y45	HND3	TISSOLVEN MEAN				
1030	asome	P				_	SULEV	TE			
Commente	en moranational	an parata i sur da tang sa sa	-								
Jonnente							stor, Behlin	•			
						220	f Double Cr.				
						(542) 6	Round Ro 71-3434		04) 671-3446		
						(012)0	1 I-U-I-U-I	I OA (UIZ	00000		

4-9-13

GROU	JNDWA	TER SAM	PLING	REC	ORD				of			
IN AN INCIDENTIAL OF	umber: 17	of the local division of the local divisiono	AND TRACE AND A	Colored Colored States	XIDE-F	21500	and the second	Date: 4-8	-13			
	lumber: M			Carrier C	NUC I	Starting Water	Level (ft BMP	And the second	3,62			
		II ID, etc.) NW	-22			Casing Stickup			~			
	by: ITB					Starting Water Level (ft. BGL): 3.62						
		of Well. TOLI	DUC			Total Depth (ft. BGL):						
	Interval (ft. B		3-13	3		Casing Diameter		********	20			
	k Interval (ft. E		2.10		1	Casing Volume	-					
STORA LOD FOR AN INCOME.	TY ASSU	A STATISTICS TO A STATE OF STATE		SAR WITH COMPANY		Cooling Foldino	(80.1)		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -			
METHO	DS (describe)			an a	deren ang tanang a							
1	g Equipment:	2.63	d	edico	tid or	ment or	guleny	and				
Purging		uptaltic.	pun	5	Sampling:		Dane	w				
Disposal of Discharged Water: 55 - 0 allon dum												
INSTRUMENTS (Indicate make, model, I.d.)												
Water Level: KEUK Thermometer: 151 55 Le												
pH Meter: <u>VSI 551e</u> Field Calibration; <u>1-4</u>												
Conductivity Meter: <u>YSISS</u> Field Calibration: <u>14</u> [3												
<i>a</i>	Filter / Filter Size: 10 ml Cron 3,45 ml caughter: NRS											
SAMPLING MEASUREMENTS												
1120 Time	Cum. Vol. (gal. or L)	Purge Rate (gal. of L/m)	Temp. (oC)	Ha	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)			
1130		.14	17.4	5.94	3920	1.74	146.2	179	6.23			
1135		.13	17.7	6.13	3940),61	147.1	61	6.84			
1140		.13	17.7	6.15	3940	1,59	147,7	57	6,97			
1145			-	the 1	hubu	<u>, , , , , , , , , , , , , , , , , , , </u>	11 9 7		7.44			
1146		,10	Lun	IL HE A	hand of				CORDED D			
1150		-110							8.36			
1157		.70							10,06			
204									1171			
1210		20							13,45			
1220												
1224		DR	4						15,72			
1050		-DIE		612	3870	1.62	139.4	DIE	6.22			
		A Find of During	100	-	and the second se	the second se	the second s	8,6				
THE REAL PROPERTY OF THE REAL	E INVEN	t End of Purge:		_		Sample Intake I	Jepth (ft. BMP	5 OFF	DOILDIN			
GAMPL	A REAL PROPERTY AND A REAL	ttles Collected	MINDOLE OF DRAM	at the second second	F ¹ 112	For west and the second state	ALLENDER THE AREA AND A THE TANK					
Time	Volume	Composition	(G, P)	No.	Filtration (Y / N)	Preservation	(qua	Remark lity control sar				
050	250ml	P				HND3		METALS				
1050	250mL	P			4-,45	HNO3	DISSOL	and the second se	ETALS			
1050	250ML	ρ					SULFI					
Commente							ton Dehle					
And the second day is a first of the	the second s	SAMPLE	S AN	MI	DAIL 4	Pastor, Behling & Wheeler, LLC 4 2201 Double Creek Dr., Suite 4004						
1000		211-1-00		110	VIGET	Round Rock, TX 78664						
							(512) 671-3434 Fax (512) 671-3446					
		And the second s										

4-9-13

GRO	UNDWA	TER SAM	PLING	RFC	ORD		F		of		
Project N	and the second statements	55	THE OWNER WHEN THE PARTY NAMES	Martin Martin	XIDE-P	215000		Date: 3 -1	8-13		
	lumber: M		FILIEULIN		LIUC I	Starting Water	CO 111 CAL		6.76		
		II ID, etc.): ML	1-27			Casing Stickup		,.			
		(10, etc.).	~ >		1				476		
	by: ITB	and the la									
and the second second second		of Welt. TOC				Total Depth (ft. BGL): <u>9.5</u> Casing Diameter (In ID): 2,0					
****	I Interval (ft. B	and the second sec	19,5			1 3		-	210		
NAME OF TAXABLE PARTY.	k Interval (ft. I	NAMES AND ADDRESS OF TAXABLE PARTY.		Server 1	and the state of the	Casing Volume	(gal.):				
the state of the state	CONTRACTOR AND INCOME.	THE REPORT OF THE REPORT OF			and the second se						
METHO	DS (describe)	1:		1 5			N 10				
	g Equipment:	talt -	2 -au	diño		ment e	quillen	na			
Purging		nataltic.	pur	<u>()</u>	Sampling:		manie				
and a state of the	al of Discharge		551	to al	lon due	M					
		ate make, model	, I.d.)				101 00	1			
Water L	41	CECK			Thermometer:	_	151,55	56			
pH Met		1556	-1		Field Calibration		1-4				
	tivity Meter:	YS1 55		2 2 2 3	Field Calibration		1413				
		paicron		micru	Qther: JVic	45					
Total disk of providence of	CONTRACTOR OF STREET, STRE	ASUREMEN	CO. NO. OR OTHER DOCUMENTS			~~~~					
1123	Cum. Vol. (gal. or L)	(gal. o(L/m)	Temp. (oC)	рH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)		
133		12	19,1	7.33	3370	0.0	TODOX (IIIV)	LIG			
		110			2220			40	7.67		
1138		-10	16.6	7.30	3320			14	8,07		
1143		<u>_ , l l </u>	18:7	1.51	5723			31	2141		
				ļ							
141.(1					1 10						
<u>1144</u>			pmp	Wp	and p	up will	dus				
	.42LP	m ie th	- nat				0				
20.1	1.01-										
1224	forth i	2 duy						37	7.07		
	e.	0						•	-		
Nater Lev	vel (ft. BMP) a	t End of Purge:	DRY			Sample Intake I	Depth (ft. BMP	1. L' DEE	ROTTOM		
	LE INVEN	A REAL PROPERTY OF A REAL PROPER						e en	ponory		
	and the local data in the local data	ottles Collected			Filtration	[¹		Remark	ís		
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation	(qua	lity control sa			
ngus	250nL	P			V-10	HMD 3	DALI	MEANLS			
DAUS	250ML	6.		1	145	HNO3	DISSOLU	100 ME	MLS		
ALK	250mL	,6					SULFAT				
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0 JUIN	<u> </u>			N		JULIT	·L			
					and the second second	And the second second second	allocation and the local data				
Comment	6:	-				Pa	stor, Behlin	a & Wheel	er. LLC		
SPUT	SAMPL	ES WIT	1 TOF	-R-1	FILTERED		I Double Cr	-			
TIMAL	-MEMAL	(SERVED		Round Ro	ck, TX 786			
1-1-10				litt		(512) 6	71-3434	Fax (512) 671-3446		

3/19/13

í.

GROI	GROUNDWATER SAMPLING RECORD											
	OTHER DOCUMENTS	COLUMN AND PARTY NO.	THE OWNER WATER	-	stand of Longitude of Calif	DICAS	-00	2.1	0 13			
Project Nu		SS	Project N	ame: E	XIDE-P				8-13			
Sample N		1-24	1.01/			Starting Water		:	22.07			
14		1 ID, etc.): Mk	Jody	No. 1 Concerts		Casing Stickup			29 02			
	by. JTB			-		Starting Water						
		of Welt. TOL		<u></u>		Total Depth (ft. BGL):						
	Interval (ft. B		14-29	1		Casing Diamete	er (In ID):					
Company of the Party of the Par	k Interval (ft. E	CONTRACTOR DUCKNESS OF THE OWNER.	Restance Property lie			Casing Volume (gal.):						
QUALI	TY ASSU	RANCE					and the second					
METHO	DS (describe)	:			····							
Cleaning	g Equipment:	1	_de	dica	tid or	ment le	quileme	t				
Purging	Ren	astaltic	pun	p	Sampling:		Dane					
Disposa	i of Discharge	ed Water:	155-	taal	lon due	n			0.000.000-000-000-000-00-00-00-00-00-00-			
INSTRUMENTS (Indicate make, model, I.d.)												
Water L		LECK			Thermometer:	1	151,55	il				
pH Mete	er: YS	1551e			Field Calibration	r. 💡	7-4					
Conduc	tivity Meter.	YSISS	sla		Field Calibration):	1413					
Filter / Filter Size: (Oplicion \$,45 micrupther: NRS												
SAMPLING MEASUREMENTS												
Cum. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Water Depth (gal. or L) (gal. or L/m) (oC) pH (mmhos/cm) D.O. Redox (mV) Color (ft BMP)												
1656		.12	21.0	1.80	4570			129	dd.10			
1601		12	21.0	1,18	4588			87	2211			
11.06		,12	21,1	1,77	4576			91	2212			
10 .												
				1								

			- 00					211				
		t End of Purge:	221	12	***	Sample Intake	Depth (ft. BMP): 3.5° Q	F Botton			
SAMP	LE INVEN	the second s										
Tress	1	tties Collected	(0.5)		Filtration	Deservation	1	Remark:				
Time	250mL	Composition	(G, P)	No.	(Y / N)	Preservation	and the second sec	lity control sar MEAL				
1413					1-1-10	HMD2	TOML					
1612	250m	<u> </u>			4-145	HND3		VED ME)H()			
1415	UIS 250ML P I N - SULFATE											
	Lucas				land successive a space with the		and the state of the state of the					
Comment	CAMA .	15 11101	ANS A		000000		stor, Behlin	-				
pruti	2111111	es wint	TCÉG	LY	WARDER	220	1 Double Cr					
1019	Lnem	15 -		PRES	ierver	(512) 6		ck, TX 786 Fax (512				
T(EQ IS DUCLICATING THIS WELL (512) 671-3434 Fax (512) 671-3												

GROUNDWATER SAMPLING RECO	RD		F		of		
Project Number: 1755 Project Name: EX	IDE-FI	215(1)-1	POP	Date: 3-1	8-13		
Sample Number: MU-25		Starting Water I		······	11.92		
Sampling Location (well ID, etc.): MW-25		Casing Stickup					
Sampled by: TB		Starting Water Level (ft. BGL): 11,92					
Measuring Point (MP) of Well-TOC PUC		Total Depth (ft. BGL): 24.5					
Screened Interval (ft. BGL): 7-2.2		Casing Diameter (In 1D):					
Filter Pack Interval (ft. BGL):		Casing Volume (gal.):					
QUALITY ASSURANCE			Allow saling and so that the				
METHODS (describe):							
Cleaning Equipment:	id or	ment er	Julen	and			
Purging: percentaltic pump	Sampling:		Dane				
Disposal of Discharged Water: 55-0 alle	on due	h					
INSTRUMENTS (Indicate make, model, I.d.)	- u us						
Viccil	nermometer:	1	51 59	sl			
	eld Calibration		1-4				
Conductivity Meter: 151556 Fi	eld Calibration		1413				
Filter / Filter Size: (Onicion \$,45 micrush	ther: NR	B					
SAMPLING MEASUREMENTS							
1007 Cum. Vol Purge Rate Temp. (gal. or (L) (gal. or (L/m) (oC) pH (Spec. Cond.	- 1979;		Turbidity &	Water Depth		
	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)		
	4924			245	13.04		
1021 12 19.17.62 1	4943			189	13.36		
1025- will tun burb up	to put	ruate	the	well			
punts is Q 4 pm							
1049- way we due							
	4872			87	12.68		
Water Level (ft. BMP) at End of Purge: DCY		Sample Intake I		, clame			
Water Level (ft. BMP) at End of Purge:		Sample Intake I	Jepin (n. BMP): 5 UT-	DOITOYS		
Bottles Collected	Tille at I			Base -	-		
Time Volume Composition (G, P) No.	Filtration (Y / N)	Preservation	(oua	Remark lity control sar			
0915 250mL P	1-10	HND3	TOTAL S				
OAUS STOME P	445	HARD?		100 Me	mis		
0915 250ML P 1	N	HN103	SULEAT	E			
Comments:			stor, Behlin	-	•		
SPLIT SAMPLES WITH TCER - FIL							
	SERVED	ED Round Rock, TX 78664 (512) 571-3434 Fax (512) 571-3446					
SULFATE NON FILTURED - NON PR							

3/19/13

	GROI	INDWAT		PI ING	REC	ORD		F	AGE	of L
	CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR OFT	100	5	level and a second second	Station and Advances	XIDE-F	DICKES		And the same statement	-13
	Project Nu Sample N		W-26	Project N	lame: E	LIVE F	Starting Water			9,52
		the second se	ID, etc.):MW	-21-			Casing Stickup		•	
		by: ITB	10, 010. 1.1. 100	~0			Starting Water			9.52
			Welt. TOL I	2110			Total Depth (ft.		,	
5	The subscription of the su	Interval (ft. Bo		5-15			Casing Diameter			2.0
		Interval (ft. E		21.3			Casing Volume			-
	What have not included	TY ASSU	A CONTRACTOR OF		and a second second second		out ing void into	1900.1	and the state of the	
	South States and	OS (describe)	Contraction of the local division of the loc	Marine States	Contraction of the second	a della contra di se su				
		g Equipment:		d	diña	tid or	ment le	O LI DANG	INT	
	Purging:	IO IN	astaltic.	him	\mathcal{O}	Sampling:		Dane	<u> </u>	
		l of Discharge		55-	aal					
			te make, model,		gue	Non May				
	Water L		LECIK		201001-00	Thermometer:	```	151 55	il.	
	pH Mete	WZ.	1556			Field Calibration	с. —	1-4		
	Conduct	tivity Meter:	YSI SS			Field Calibration	n:	1413		
	Filter / F	ilter Size: ((nucron	\$,45	micru	Other: NR	B			1
	SAMPL	ING MEA	SUREMEN	TS		and the second second				
	1013	Cum. Voi. (gal. or(L))	Purge Rate (gal. of Im)	Temp. (oC)	рH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)
	1023		,12	17.4	6.13	4210	1,36	121.6	147	11.07
	1028		,12	17.6	and some state of the second	4210	1.13	123.4	113	11.93
	1033		112	11.7	6.15	4220	11/2	124.1	116	12.37
	1034			turn		burb ut	and the second se	cuate	the w	
	1044		,70	10000	1 Inc	promiting in	10 000	Cho C	11-142	15.110
	1054		,70	-	1					17.07
	1057			RY						
					[and the second se				
4-9-13	1000			1811	6.21	4100	0.96	117.4	72	10,39
	1000			ton _			0.10			
	Alater Law	I (A BMD) a	End of Purge:	DR	5		Sample Intake	Donth (A BMP	S'DEL	BOTDIA
	APRIL 100 Amprox 400		NAME OF TAXABLE PARTY.	LUN	1		Sample make	Doput (it. DWP		popping
		and the second second second second	ttles Collected			Filtration		I	Remark	8
	Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation	(qua	lity control sar	
4-9-13	1000	256ML	P		1	4-10	HN03	TOTAL	MEALS	5
1.1.	1000	250ML	P			445	HA103	DISSOL	uen me	ENALS
	1000	250ML	f		1	-		SULFA		
								II		
			Contractive for a contribution	******			New York Court of the State of			
	Commente		LIDOC -			Pastor, Behling & Wheeler, LLC				
	NUSA	INFLES	whice co	LLEC	TEUI	BY TCEG	CEG 2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664			
	ļ						(512) 671-3434 Fax (512) 671-3446			
							(/ -		(,

4-9-13

	GROU	INDWAT	ER SAMP	PLING	REC	CORD PAGE of				f		
	Project Nu	mber: 17	55	Project N	ame: E	XIDE-FI	RISCO		Date: 4-6	1-13		
	Sample Nu	and the second se	N-27				Starting Water	Level (ft. BMP)	:	5,92		
	Sampling I	Location (well	ID, etc.): ML	2-27			Casing Stickup	(ft.):		-		
	Sampled b						Starting Water I	Level (ft. BGL):		5.92		
	Measuring	Point (MP) o	Well. TOL	NC			Total Depth (ft.	BGL):		17,38		
<u> 8</u> -	Screened	Interval (ft. BC	GL):	5-1	5		Casing Diamete	er (In ID):		2.0		
	WHERE AN AD ADDRESS OF TAXABLE	Interval (ft. B	CONTRACTOR AND IN THE OWNER WATER OF THE OWNER OWNER OWNER				Casing Volume	(gal.):		_		
	QUALI	TY ASSU	RANCE					CONTRACTOR OF TAXABLE				
	METHOD)S (describe)										
	Cleaning	Equipment:	1 4 4 -		diña	tid or	new equipment					
	Purging:	per	astaltic.		ρ_{-}	Sampling:						
	Disposal	of Discharge	d Water:	55-	tgal	lon due	m					
			te make, model,	l.d.)	J			101 00	1 000	0		
	Water Le	VE	BCK	000	21	Thermometer:	<u></u>	151,55	L PRO	PLUS		
	pH Mete		1 5500	PRO		Field Calibration		1112				
		ivity Meter:		1		1413						
	Filter / Filter Size: (OMICTON & 45 MICTURINER: TVBB SAMPLING MEASUREMENTS											
	TAXABLE PROPERTY.	Cum. Vol.	Purge Rate	Temp.	The maintainer of the	Spec. Cond.			Turbidity &	Water Depth		
	075L	(gal. (rL)	(gal. or(L/m))	(0C)	рH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)		
	080		,12	16.8	5.81	3390	1,04	14511	211	7.79		
	0811		112	16.7	5,81	3390	0.83	147.4	175	8.04		
	0816		,12	16.6	5.82	3340	0.84	146.8	140	8,55		
	0824		,2						14	8.97		
	0825		,50	tam	the	punp u	to er	cruate.	the wel	l		
	0839					1 1				10.96		
	0840		:10	turn	the	bump	up					
	0852					1 V-				16.69		
	0854		DRY									
4/9/13	0845			11.4	5.89	3410	.094	137.4	36	5.44		
<i>"""""</i>												
			t End of Purge:	DRY			Sample Intake	Depth (ft. BMP	1:4'007	BOTTOR		
	SAMPL	E INVEN	and the second se									
			ttles Collected		1	Filtration			Remark			
10A-13		Volume	Composition O	(G, P)	No.	(Y/N) Y-10	Preservation		lity control sar			
4-13 \$ 9	0015		P				UND3	TOTAL				
\$₽ I	0845	250ML				445	HN03	DISSOL		ETALS		
	0047	260m	<u> </u>			N		SUFA				
0845	2000	Yome	6		3	N	HCL WWWW TPH					
>240	Comments		G		12	N	Pastor, Berning & Wheeler, LLC					
V					0		2201 Double Creek Dr., Suite 4004					
	NO SA	APLES	WARE	COLI Fr	DE C	BY TOE	CUER Round Rock, TX 78664 (512) 671-3434 Fax (512) 671-3446					
	1				-04.5		- (512) 6	71-3434	Fax (512) 671-3446		

GROU	JNDWA	TER SAM	PLING	REC	ORD		PAGE	GE of	
Project N	umber: 17	155	Project N	lame: P	XIDE-F	RISCO		Date: 3-6	20-13
Sample N		W-28	·	v		Starting Water	Level (ft. BMP)		14,58
		II ID, etc.): ML	1-28		-	Casing Stickup			_
Sampled	107					Starting Water			14.58
	Point (MP)	of Well: TC	IPUC			Total Depth (ft.		19,5	/
	Interval (ft. B		1.40	e		Casing Diamet			2.0
-	k Interval (ft.					Casing Volume			
and the second se	TY ASSU						13-7	in distance of the second second	Sector Se
	DS (describe)	and the second							
	g Equipment:		bud	edira	Sampling:		in prinet	(
Disposa	I of Discharg	ed Water:	-1(55	- gallon	dun			
INSTRUM	IENTS (Indic	ate make, mode	el, l.d.)		-)				
Water L	evel:	Keck			Thermometer.	Y	51 55	6	
pH Mete	er: <u>4</u> 5	1556			Field Calibration	ה:	7-4		
Conduc	tivity Meter:	YSIS			Field Calibration		1413		
All statements and statements and	ilter Size:			nicon	Other: TVF	-15			- the state of the
SAMP		ASUREME	NTS						
0828 Prime	Cum. Vol (gal. or L)	(gal. or L /m)	Temp. (oC)	рH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)
0838			127	731	1171			74	15123
0843		11	1114	233	1165			7'2	15,43
0843		1 11	1174	734	1121			6,8	15,64
0003			11.7	7.34	110			19	582
0000			166	1.35	1162			8.9	
0850		<u> </u>	110		1102			8.1	
0903			175	7.36	1162				16.07
0905-	turnet	the h	14h	101	o eraci	t. I	e well	bub	R. Q. 45
	Think	1	unp i	pp 7	o Duna	use Th	k wier	map	
0935		.45		00	и				18.75
00.17	tum		up	all	The way	<u>}</u>			
0945	well	is di	X	0112	000		001	0	1116-
0815		(18,2	7,45	950	5.21	276	7,8	14.55
the second se	the second se	at End of Purge:	DRO	1		Sample Intake	Depth (ft. BMP): 3'OFF	BOTTOL
SAMP	E INVEN	and the second se							
		ttles Collected		r	Filtration			Remark	
Time	Volume	Composition	n (G, P)	No.	(Y / N)	Preservation		lity control sa	
UCIN	250mC	t_t_		<u> </u>	N	HAD3		LAEDA	A CONTRACTOR OF THE OWNER OWNE
0630	250ML	P			1-,45	HNO3	07550	CVED	METALS
Commont		a contra de antes		lamata an		_		A 1871	
Comments	and the second second second second	10 CAN	DIES	?		Pastor, Behling & Wheeler, LLC			
FILE	$\underline{u} = \underline{r}$	10 SAM	TUE/			2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664			
						1			

GRO	UNDWA	TER SAM	PLING	REC	ORD				of			
Project N	umber: 17	55	Project I	Name: F	XIDE-P	RISCO	And and a second second second	Date: 4-1	1-13			
Sample N		nw-28			Elve L	Starting Water	Level (ft. BMP	day the state of the state	13,98			
	and the local division of the local division	11 ID, etc.): ML	0-28			Casing Stickup	-	,.				
	by: ITB					Starting Water			13.98			
		of Welt. TOC	DI/C			Total Depth (ft.			23.41			
	I Interval (ft. B		ruc			Casing Diameter		*****************	2.0			
	k interval (ft. i				· · · · · · · · · · · · · · · · · · ·				-			
PROFILE STREET, STREET	TY ASSU	THE REAL PROPERTY AND ADDRESS OF THE	**********	Witchard Tarrey		Casing Volume	(gai.);		1.1			
And Stationers	DS (describe)	CONTRACTOR OF THE OWNER	int data setting statis	- Constantination	and the standy of the state				THE REPORT OF THE REAL OF			
	g Equipment:		d	edico	ted or	ment of	quilem	ent				
Purging	100	ustaltic.	hum	n	Sampling:		nane					
	al of Discharge		55				Durne					
				tgal	lon du	m						
		ate make, model	. I.d.)			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	101 00	>1				
Water L	117	LECK 1 SSL			Thermometer.	_	151 59	<u>sl</u>				
pH Met			1		Field Calibration							
	tivity Meter:	451 SS			Field Calibration	C Commit	1413					
		Paulcion		mica	Qther: NR	43						
SAMP		SUREMEN	ITS		100							
1056	Cum. Vol. (gal. or L)	Purge Rate (gal. or (_/m)	Temp. (oC)	DH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)			
1104	(gui d'es			1	1	4 11						
forein the second second		.5	18,9	7.07	930	8.4	16.06					
1114			18.4	7.04	960	2.51	87.1	7.2	18:46			
1126	1	7	18,6	7,03	960	2.50	87.1	7.3	21.79			
1135	D	29										
				1	(·····			
AAT -			10.16	0.0	0.0	0.01	(2D 11	10				
0930			18.4	7.09	930	2,96	88.4	65				
Water Lev	vel (ft. BMP) a	t End of Purge:	Dr	24		Sample Intake I	Depth (ft. BMP): 3' OFF	Botton			
SAMPI	LE INVEN	TORY										
	Bo	ttles Collected			Filtration	ALSO ALLEY		Remark	S			
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation	(qua	lity control sar				
OR3D	250mL	P			A		SULFA	TE-				
				1								

				mennen		TALL CONTRACTOR	Automorphism (11778)	A CONTRACTOR OF THE OWNER				
Commente	B:					Pa	stor, Behlin	a & Wheeld	ar i i G			
							Double Cr					
								ck, TX 786				
						(512) 6	71-3434) 671-3446			

4-12.13

	GROL	INDWAT	TER SAM	PLING	REC	ECORD PAGE_				of	
	Project Nu		55	Company and the second second	AREAS INCOME.	XIDE-F	21500	and the second	Date: 4-8	3-13	
	Sample N		10-29	100011		~100	Starting Water			691.96	
			ID, etc.): Mh	1-29			Casing Stickup				
		by: ITB					Starting Water			6.96	
	1		Welt. TOL	NC			Total Depth (ft.			17.51	
396		Interval (ft. B			14.5		Casing Diamete	-		2.0	
	Filter Pack	k Interval (ft. E	BGL):				Casing Volume	(gal.):		-	
	QUALI	TY ASSU	RANCE								
	METHO	DS (describe)						N			
	Cleaning	g Equipment:	1.45 -	de	idiña	tid or	Melle DI	guilen	bit		
	Purging	Jeen	ustaltic.			Sampling:		Dane			
	Disposa	I of Discharge	d Water:	155-	taal	lon due	m		a who wanted as the second		
	INSTRUM		te make, model,	1.d.)	J						
	Water L	evel:	CECIL			Thermometer:	~	and the second s	it pro	PLUS	
	pH Mete	эг. <u>1</u> 5		RO PL	the second s	Field Calibration		1-4			
		tivity Meter:				Field Calibration		14[3_			
				and a second sec	mia	Qther: NR	45	Clip Managergerinik whereas mention a	COLUMN AND IN COLUMN AND	WHICH BERNELLER AND	
	CONTRACTOR OF THE OWNER	Cum. Vol.	SUREMEN Purge Rate	NUMBER OF TAXABLE	-	Spec. Cond.	-		Turbidity &	Water Depth	
	090L	(gal. of L)	(gal. or(L/m))	Temp. (oC)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)	
	0916		.13	17.0	5.89	7710	1.29	118.1	103	9.02	
	0922 .12 17.0 5.9					7830	1.03	108.2	137	9,81	
	0127 .12 17.1 6					7970	1.02	104.5	131	10,19	
	0928		,78	tim	wb	the pu	ub	1			
	0938		,80							13,89	
	0A48		180							17,14	
	0951		D	RY						S	
4-9-13	1930			11.4	6.03	7810	0.93	1000l	26	6.24	
7											
	Water Lev	vel (ft. BMP) a	t End of Purge:	DR	4		Sample Intake	Depth (ft. BMP	: 5'OFF	BOTTOM	
	SAMPL	E INVEN	and the second se		Contraction of the second s						
		1	ttles Collected		r	Flitration			Remark	-	
~ 13	Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation		lity control sar	the second se	
4-9-13	0930	250mL	rr		<u> </u>	Y-10	HAD3	DAL			
	14-14-14-	250ML	<u> </u>		<u> </u>	Y:.45	HND3			ETALS	
	0930	250ML	<u>p</u>			N		SULFY	ITE		
			•								
	Commente	B:				Pastor, Behling & Wheeler, LLC					
	NO CAL	WELES L	UPAR CO	IFOD	N RL	2201 Double Creek Dr., Suite 4004					
	19 210	1.00-1		and		Round Rock, TX 78664			64		
							(512) 671-3434 Fax (512) 671-3446			?) 671-3446	

parties account		III WITCH CONTRACTOR		a contraction	argenet and the state of		14.2	and the second second				
GROL	GROUNDWATER SAMPLING RECORD PAGE of											
Project Nu	umber: 17	55	Project N	ame: E	XIDE-F	RISCO		Date: 4-10	7-13			
Sample N		1W-30				Starting Water			11.62			
Sampling	Location (wel	11D, etc.):	-30			Casing Stickup	-		-			
Sampled I						Starting Water			11.62			
	and the second se	Well.TOLL	VC			Total Depth (ft.						
	Interval (ft. B					Casing Diamete		-	2.0			
Filter Pack	(Interval (ft. E	BGL):				Casing Volume	(gal.):		-			
QUALI	TY ASSU	RANCE		and a second second	The second second second second							
METHO	DS (describe)		- ALL CONTRACTOR					in the second second				
Cleaning	Cleaning Equipment: 101- dedicated of Men equipment											
	Purging: percentaltic burner Sampling: Danie											
Disposal of Discharged Water: 55 to allon dum												
INSTRUMENTS (Indicate make, model, I.d.)												
Water L	evel:	CECK			Thermometer:	\ \	51 55	il.				
pH Mete	ar: <u>Y</u> S	1556			Field Calibration	X	7-4					
	tivity Meter:	YS1 55			Field Calibration		1413					
Filter / Filter Size: 10 MICTON \$,45 MICRUPHER: NRB												
SAMPLING MEASUREMENTS												
Onted Curr. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Water Depth United (gai. of L) (gal. of L/m) (oC) pH (mmhos/cm) D.O. Redox (mV) Color (ft BMP)												
1024	190.00	1	19.1	6.74	1860	0.45	- 82.1	88.7	11,83			
1029		-,1-2	13.4	6.71	1840	0.45	-83.6	86.4	11 86			
1		111	19.5	the second s	1840	0.40	-83,4	86.9	1107			
1034			11.5	671	1040	V190	- 017	00.1	11.0/			
				<u> </u>	·		······		· · · · · · · · · · · · · · · · · · ·			
		t End of Purge:	11.4	\sum		Sample Intake	Depth (ft. BMP	10'0FF	Bonom			
SAMP	LE INVEN	A REAL PROPERTY AND ADDRESS OF THE OWNER.						and the second second second	The state of the s			
	1	ttles Collected			Filtration	_		Remark				
Time 1045	250mL	Composition	(G, P)	No.	(Y/N)	Preservation		lity control sar				
CTUI		0			1-10	HND3		METAL				
1045	25mL	ľ,			4-145	HNO3	DISSO		mengls			
1045	1045 250ML P I - SULFATE											
Comment	s:		and the latence.	NAMES IN COLUMN 2 IS NOT	Ganet, State, Lypel Sound River	Parate and the second	tion Bahlin	a & Wheel				
	And the second se	IT SAMP	105	_1	DALS		stor, Behlin I Double Cr	-				
1000	(), •	1 7/11	00 -		DNL			ck, TX 786				
					UNC	(512) 6	71-3434	-) 671-3446			

GRO	UNDWA	TER SAM	PLINC	REC	ORD	PAGE 01				
Project N		165			XIDE-F	RISCID	- A	Date 51	3 1 3	
Sample I	Number:	141-31					r Level (ft. BMP	******************	10,58	
Sampling		II ID, etc.)	W-2	51		Casing Sticku				
	by. ITB		10	4			r Level (ft. BGL)		10.58	
Measurin	g Point (MP)	of Welt TOL	PUC			Total Depth (f			10-	
	d Interval (ft. E					Casing Diame			20	
Filter Pac	ck Interval (ft	BGL)				Casing Volum				
QUAL	ITY ASSU	JRANCE								
METHO	DS (describe)								
Cleanir	ng Equipment	i Xa -	d	idire	sampling	WHE Y	autin	ed -		
Purging	A Re	wetalite	burn	p	Sampling		Dane			
Dispos	al of Discharg	rustalitic ed Water	155	aad	lon du	1h				
INSTRU	MENTS (Indic	ate make, mode	ld)							
Water	Level	KELK			Thermometer		451 59			
pH Met	er <u>Y</u> ¢	1556			Field Calibratio	n	1-4			
Condu	ctivity Meter	YSIS!	56		Field Calibratio	n	1413			
Filter /	Filler Size (UNILION	3.45	mica	apper Nie	28				
		ASUREME			2					
02 14 Time	(gal of L)	(gal of L/m)	Temp (oC)	рн	Spec Cond (mmhoisions)	00	Real my	Turbiady &	Water Depth	
0924	10	1	20 9	664	1060	0.16	-39	Color	(fl BMP)	
(Levo		1 1	RIU		A sector sector				10.19	
19.34				6.67	1110	0.51	-36	le	10.96	
102.24			211	1.60	1124	0.85	- 56	10_	12:97	
}		<u>+</u>								
	+									
			+	+						
			+	ļ						
·										
			1							
							1			
						1	1			
Water Lev	vel (ft BMP) a	It End of Purge	170	97		Company interio		1 '		
	LE INVEN					OPTIGHT HILF	Depth (* BMP)	G OFF	Bottom	
	Bo	tties Collected			Fitration	1	1			
Time	Volume	Composition	(G. P)	No	(Y - N)	Preservation	(qua)	Remark		
0845	250ml	P			4-10	HLO3		MEM		
7845	250m	P		1	1.45	HNOS			And and a second se	
0845	250mL	·p				HAUS			mearly	
1013		l			N		SULFY	NE		
Comments						Pa	istor, Behling	g & Wheel	er. LLC	
				_		220	1 Double Cr	eek Dr., Su	lite 4004	
						Round Rock, TX 78664				
						(512) 671-3434 Fax (512) 671-3446				
				of the local division in which the local division in the local div	And in case of the local division of the loc					

CPOI		ER SAMP	CALCULATE A DECEMBER	P	AGE	ıf [
	And in case of the local division of the loc	And the Property of the second s	CONTRACTOR OF THE OWNER.	ALC: NOT THE OWNER OF	the investory of the second system.	DICAR		Date: 4 - 8	and the second s		
	mber: 175	22	Project N	ame: E	XIDE-F	And the second se			13,91		
Sample N						Starting Water I					
		iD, etc.): P-				Casing Stickup			1291		
Sampled t						Starting Water L			_12,11_		
		1 Welt TOL S		0		Total Depth (ft.		-	2.0		
the state of the s	Interval (ft. Bo		10-20	0							
	Interval (ft. B			An and here the		Casing Volume	(gal.):				
QUALI	TY ASSU	RANCE		Normal Street of	nder, wieden gemeinten der	Not the second state of the		and the room the Training			
METHOD	S (describe)				y		<u>`</u>				
Cleaning	Equipment:	1 4		diria	tio or	ment er		Not			
Purging:	IR en	aptaltic.	prime	ρ_{-}	Sampling:		pane				
Disposa	l of Discharge	d Water:	155-	all	lon due	m					
INSTRUM		te make, model.	1.d.)	J							
Water L	avel:	UBCIK			Thermometer:	~	51,55	<u>ناب</u>			
pH Mete	n <u>Ys</u>	1556	- 1		Field Calibration	n:	1-4				
Conduc	ivity Meter:	YS155			Field Calibration		1413				
Filter / Filter Size: (Onicion \$,45 micrugher: N/RB											
SAMPL	And the second se	SUREMEN	ITS								
1434 Time	Curn. Vol. (gal. okl)	Purge Rate	Temp.		Spec. Cond.	D D D	Daday (m)/)	Turbidity & Color	Water Depth (ft BMP)		
	(gal. ONL)	(gal. o(L/m)	(00)	pH	(mmhos/cm)	D.O.	Redox (mV)	76	15/1		
1494			18,1	6.41	SPOLO	1.76	161.7		1010		
1449		12		6.47	3670	1.52	151.7	57	16.01		
1454		.12	18,2	6.48	3680	1.51	152.4	59	1662		
1455			tun	the	punp	up to	procur	te the	will		
1456		.70									
1505									17.96		
1515	·								20.37		
			DRY								
1125			18,3	6.41	3590	1.02	139,2	19.9	14,62		
tras			I DI J	11	12-10	1.00	1.1.		- turn		
	1/0.51/51	A Final of D	TO	U		Sample Intake	Denth (A. D) (D	Slace	Real		
CONTRACTOR OF A VALUE OF	E INVEN	t End of Purge:	DR		L	Sample Intake	Depin (n. BMP	SOFF	Bollow		
SAMP		ttles Collected		te trice monther	E Hannahara			Remark	/c		
Time	Volume	Composition	(G. P)	No.	Filtration (Y / N)	Preservation	(qua	lity control sa			
1125	250ML	ρ		1	Y-10	HA/02		META			
1125	250AL	0	A. 10.50	1	4-145	HN03			henals		
		0		┝━┞━━		CINOS	r				
1125	250ML	<u>۲</u>	-				SULF	HIF	1		
		A REPORT OF THE REPORT OF THE						The course of the second			
Comment	5.					De	stor, Behlin	a & Wheel	erHC		
Seli	T SAMO	165 40	174	TICE	Q		1 Double Ci				
101	6001	NES W	110	10	0	Round Rock, TX 78664					
1	THE	NUT				(512) 671-3434 Fax (512) 671-3446					
					-						

4-9-13

	GROL	INDWA	TER SAMI	PLING	REC	CORD PAGE of				of
	Project NL	umber: 17	55	Project N	lame: F	XIDE-P	RISCO-	FOP	Date: 3-1	8-13
	Sample N		-2				Starting Water			the second s
			II ID, etc.): P-	-2			Casing Stickup			-
	Sampled t						Starting Water		15.9	E JEST JB
			of Well-TOC	PUC			Total Depth (ft.		20	
2		Interval (ft. B		20			Casing Diamet	er (In ID):		2,0
	Filter Pack	Interval (ft. E	3GL):				Casing Volume	(gal.):		
	QUALI	TY ASSU	RANCE							
	METHOD	DS (describe)								
	Cleaning	Equipment:	1 4 4 -	d	idica	ted or	ment l	aulem	end	
×	Purging:	Ren	astaltic.	pune	p	Sampling:	_	pane		
	Disposa	l of Discharge	ed Water:	55-	taal	lon du	m			
	INSTRUM	ENTS (Indica	te make, model,	l.d.)	5					
	Water Le	evel:	CUCIC			Thermometer:	<u>`</u>	151,59	36	
	pH Mete		1556	- 7		Field Calibration	-0-	1~4		
		ivity Meter:	45155	1		Field Calibration		1413		
) MICION		micru	Qther: TVR	43			
	STREET, SQUARE, SQUARE		SUREMEN							
0831	BAB JB	Cum. Vol. (gal. or	(gal. o(L/m))	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)
	0899		12	17.6	7.26	3227			421)	17 410
	0843		12	174	7.24	3221			1406	18.21
	2013			H ICL	11001	Jan				10.01
	0854	well	ie dun	wi	ll a	itur to	Damp	0	bunk	d war
	4.5	tune		to		I.P.M.	Dungs	the t	punio	in which
	0900	well i	e duy							
1.142	0803		14	17.4	7.21	3206		· · · · · · · · · · · · · · · · · · ·	364	16.38
3/19/13	100-			LUL_	1-1-1	2010			201	10:00
1										
				DO	V			L		
		E INVEN		DR	1		Sample Intake	Depth (ft. BMP): O OFP	Borrow
	SAMFL		ttles Collected			Filtratian		r	Demed	
	Time	Volume	Composition	(G, P)	No.	Filtration (Y / N)	Preservation	(qua	Remark lity control sar	
	0815	250ML	ρ			Y-10	HNO3		METALS	
		250mc	ρ			445	HND3	DISSOL	the second s	nemals
		250mL	0			N	000	SULFA		
	0015	2 3010				N		JULEN	16	
	Comments	the second s	0		1		Pa	stor, Behlin	g & Wheeld	er, LLC
	SPLIT	SAPPELI	ES WITH	_T(ea-	FILIERED	Ener 2201 Double Creek Dr., Suite 4004			
	TOTAL	MEN	ILS			Round Rock, IX 78664				
							(512) 671-3434 Fax (512) 671-3446			

roject Number: IPSCProject Name: EV. 10 E = P(21SC (> - LANDFILL Date: $3/12/1/3$ ample Number: LMU-S Stating Water Level (ft. BMP): II.L.L.9 ample Number: LMU-S Casing Stating Water Level (ft. BMP): II.L.L.9 ample Number: LMU-S Casing Stating Water Level (ft. BGL): 22 II.L.9 creaned Interval (ft. BGL): 7-2.1 Casing Dameter (fn ID): 27.0 creaned Interval (ft. BGL): 7-2.1 Casing Dameter (fn ID): 27.0 tere Pack Interval (ft. BGL): 7-2.1 Casing Dameter (fn ID): 27.0 ULLITY ASSURANCE WHETHORS (function the second interval (ft. BGL): ULLITY ASSURANCE WETHORS (function the second interval (ft. BGL): ULLITY ASSURANCE WETHORS (function the second interval (ft. BGL): ULLITY ASSURANCE METHORS (function the second interval (ft. BGL): ULLITY ASSURANCE Sempling: Disposal of Discharged Water: SS 4 gallon: METHORS (function the second interval (ft. BMP): Sete Colspan="2	Comments:Pastor, Behling & WheeSPLIT SAMPLES WITH TCER-FILTERED2201 Double Creek Dr., STOTAL METALSPRESERUEDComments:(512) 671-3434Fax (512)512	uite 4004				
ISEM 1450 Project Name: EX.1DE - F(21SC) - LANDF(LL [Date: 3/14/13 amplied Number: LMW-5 Starting Water Level (R. BMP): 17.L9 amplied Number: LMW-5 Starting Water Level (R. BMP): 17.L9 amplied Number: LMW-5 Starting Water Level (R. BMP): 17.L9 amplied Number: LMW-5 Starting Water Level (R. BMP): 21 Total Dept (R. BGL): 22 Total Dept (R. BGL): 22 Total Dept (R. BGL): 22 Total Dept (R. BGL): 24 Classing Equipment: 10.100 pp. 100 pp.						
If SCP reject Name: EXIDE - FL2(SC) - LANDFUL Date: 3/12/13 ample Number: LMW-S Starting Water Level (ft. BMP): 17.LP9 ample Number: LMW-S Starting Water Level (ft. BMP): 17.LP9 ample Number: LMW-S Starting Water Level (ft. BMP): 17.LP9 ample Dy: 17.E Starting Water Level (ft. BMP): 22 Total Depth (ft. BGL): 22 Classing Follower Level (ft. BMP): 21.LP9 Total Depth (ft. BGL): 22 Classing Follower Level (ft. BMP): 21.CP9 Classing Follower Level (ft. BMP): 21.CP9 Purging: Classing Follower Level: Classing Volume (gal): UALITY ASSURANCE METHODS (describe): Classing Follower Level: Classing Volume (gal): UALITY ASSURANCE METHODS (describe): Classing Follower Level: Classing Volume (gal): UALITY ASSURANCE METHODS (describe): Classing Follower Level (ft. EMP) Data (gal of Low Level (ft. EMP) Valume Colspane Method <t< th=""><th></th><th></th></t<>						
IPSET //SCProject Name: EXIDE - FRISCO - LANDFILL Date: 3/14/13 ampling Location (well Dotto: L/M W - 5 Starting Water Level (ft. BMP): ITLV9 ampling Location (well Dotto: L/M W - 5 Starting Water Level (ft. BMP): ITLV9 amplied by: ITS Casing Stokup (ft.): 22 ITLV9 casing Point Weter Level (ft. BMP): ITLV9 casing Diameter (In ID): 210 Casing Volume (get): UALITY ASSURANCE WETHODS (describe): Cleaning Equipment: Purple: Starting Water Level (ft. BMP) Disposal of Discharged Water: SS gallon Market Disposal of Discharged Water: SS gallon Conductivity Market, model, 1d.) Weter Level: SS gallon Conductivity Market,						
IPSET //SCProject Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: $LMW-S$ Starting Water Level (ft. BMP): TILL9 ample Number: $LMW-S$ Starting Water Level (ft. BMP): TILL9 ample Number: $LMW-S$ Starting Water Level (ft. BMP): TILL9 Casing Stickup (ft.): TIL9 Casing Diameter Level (ft. BMP): Casing Stickup (ft.): Casing Diameter Level (ft. BMP): Casing Diameter Level (ft. BMP): Casing Diameter Level (ft. BMP): TIPUL C Casing Diameter Level (ft. BMP): Casing Diameter Level (ft. BMP): TIPUL PLANEWALE Casing Diameter Level (ft. BMP): TIPUL PLANEWALE Casing Diameter (in D): Casing Diameter (in D): Casing Diameter (in D): Casing Diameter (in D): Casing Diameter: Sampling:						
roject Number: PLSCP roject Name: EXIDE - FRISCO - LANDFILL Date: $3/14/13$ ample Number: LMW-5 Starting Water Level (R. BMP): 17.149 ample Docation (well ID, etc.): LMW-5 Starting Water Level (R. BMP): 17.149 ample Durit (MP) of Welt Co. PUC Total Depth (R. BGL): 22 easuring Point (MP) of Welt Co. PUC Total Depth (R. BGL): 22 ter Pack Interval (R. BGL): $7-21$ Casing Diameter (In ID): 2.0 Iter Pack Interval (R. BGL): $7-21$ Casing Volume (gal): 210 UHODS (describe): Cleaning Equipment: 102012 210 Cleaning Equipment: 102012 102012 210 Usposal of Discharged Water: 55 9.21021 102012 102012 Stretures: VECLE Field Calibration: $1-4$ 102012 102012 Conductivity Mater:	i ili aloni					
Toped Number: $PESP Toped Name: EXIDE - FRASCO-LANDFUL Date: 3/12/13 starting Water Level (ft. BMP): 17.L9 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.L9 ample Number: LMW-5 Starting Water Level (ft. BGL): 7-2 Casing Starting Water Level (ft. BGL): 7-2 Casing Diameter (fn. 10): 21.0 Casing Diameter (fn. 10): 21.0 Casing Diameter (fn. 10): 21.0 Casing Volume (gal): 7-2 Casing Volume (gal): 7-2 $						
roject Number: $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{3}$ ample Number: $\frac{1}{2}$ $\frac{1}$		Button				
roject Number: $\frac{1}{2}$						
roject Number: $PRSP / PSGP roject Name: EXIDE - FRSSC () - LANDF(LL Date: 3 / 14 / 13 ample Number: LMW - 5 Starting Water Level (ft. BMP): [7, L/9] ample Number: LMW - 5 Casing Stickup (ft.): Casing Diameter (In ID): creared Interval (ft. BGL): Casing Volume (gal): UALITY ASSURANCE METHODS (describe): Cleaning Equipment: Purging: Data Sampling: Data Sampling: Data Sampling: Data Data Sampling: Data Disposal of Discharged Water: Sampling: Data <$	1040 ,14 18.6 6.57 1281 64	17,66				
roject Number: MW^2 If Suproject Name: EX 10 E = FQ[SC O = LANDFILL Date: 3/12/13 ample Number: LMW^2 -S Starting Water Level (ft. BMP): T_{U} T_UP ample Number: LMW^2 -S Starting Water Level (ft. BMP): T_{U} T_UP ample Number: LMW^2 -S Casing Stickup (ft.): 22 7.29 ample Number: LWL^2 (ft. BGL): Total Depth (ft. BGL): Casing Diameter (In ID): 2.00 creened Interval (ft. BGL): Total Depth (ft. BGL): Casing Diameter (In ID): 2.00 Casing Volume (gal): Total Depth (ft. BGL): Casing Volume (gal): Casing Volume (gal): Casing Volume (gal): Casing Volume (gal): Casing Volume (gal)						
IPSUP 1/SGP roject Name: EX 1 DE - FQISC () - LAN DFLL Date: 3/12/13 ample Number: $MW - 5$ Starting Water Level (ft. BMP): $17L49$ ample Docation (well ID, etc.): $MW - 5$ Casing Stickup (ft.):	1239- WELLIS DRY					
roject Number: $PRSProject Name: EXIDE = PRISCO = LANDFILL Date: 3/12/13 ample Number: LMW - 5 Starting Water Level (ft. BMP): TLV9 ample Docation (well ID, etc.): LMW - 5 Casing Stickup (ft.): ample Docation (well ID, etc.): LMW - 5 Casing Stickup (ft.): ample Docation (well ID, etc.): LMW - 5 casing Stickup (ft.): Casing Volume (gal.): UALL of Mathematical Casing Stickup (ft.): Casing Volume ($	10 SATMULE					
IPSUP roject Name: $E \downarrow 1 D E = F(2 SC) - LAN DF(LL) Date: 3/12/13$ ample Number: $LMW - S$ Starting Water Level (ft. BMP): ITLU9 casing Stickup (ft.): ample Location (well ID, etc.): $LMW - S$ Starting Water Level (ft. BMP): ITLU9 casing Stickup (ft.): ample day, ITB starting Water Level (ft. BGL): casing Diameter (In ID): Casing Volume (gal.): INDALITY ASSURANCE WETHODS (describe): Classing Equipment: Disposal of Discharged Water: SS G allow IPU Mater Level: YELC Thermometer: YELC Thermometer: YELC Disposal of Discharged Water: YELC Field Calibration: IPU Mater: YELC Proverse colspan="2">Section colspan= 2" YELC<		4 RETURN				
roject Number: $\frac{1}{12}$ $\frac{1}{$		1.000 1				
roject Number: 4824 /854 Project Name: EXIDE - FRISCO - LANDF(LL Date: 3/12/13 ample Number: 200 Starting Water Level (ft. BMP): ampling Location (well ID, etc.): 20 Casing Stickup (ft.): ampled by: 172 easuring Point (MP) of Well TOC PUC creaened Interval (ft. BGL): creaened Interval (ft. BGL): 7-2 Casing Diameter (In ID): 210 Casing Volume (gal.): 17.1.9 Starting Water Level (ft. BGL): 22 210 Casing Diameter (In ID): 210 Casing Volume (gal.): 120 Cleaning Equipment: Purging: 210 Cleaning Equipment: Purging: 210 Cleaning Equipment: 210 Cleaning Equipment: 210						
roject Number: DESC 1850 roject Name: EX10E - FC2(SC O - LANDFLL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.129 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.): 17.129 ampled by: TB Starting Water Level (ft. BGL): 17.129 casing Diant (MP) of Welt-TOC PUC Total Depth (ft. BGL): 22 creaened Interval (ft. BGL): 7-2 Casing Diameter (in ID): 210 casing Diameter (in ID): 210 Casing Diameter (in ID): 210 Casing Casing Volume (gal.): 17.129 Casing Equipment: 210 Disposal of Discharged Water: 55 Gallan dum ISTRUMENTS (Indicate make, model, 1.d.) Water Level: KECK Field Calibration: 1-4 PH Meter: YSI SSL Field Calibration: 1-4 PH Meter: YSI SSL Field Calibration: 1-4 Field Calibration: 1-4 Field Calibration: 1-4 Conductivity Meter: YSI SSL Field Calibration: 1-4 Field Calibration: 1-4 Cum. Vol. Purge Bate Temp. Spec. Cond. Cond. (rt BMP) Conductive Cum. Vol. Purge Bate Temp. New Spec. Cond. (rt BMP)		the second s				
roject Number: DESC 1850 roject Name: EX10E - FC2(SC) - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.129 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.): 7.129 ampled by: TB Starting Water Level (ft. BGL): 7.29 reasuring Point (MP) of Welt TOC PUC Total Deptn (ft. BGL): 7.29 creaened Interval (ft. BGL): 7-21 Casing Diameter (In ID): 210 Casing Diameter (In ID): 210 Casing Volume (gal.): 7.29 Cleaning Equipment: 0444/Cattor 0100 (gal.): 7.20 Cleaning Equipment: 0444/Cattor 0100 (gal.): 7.20 Disposal of Discharged Water: 55 gallon dum ISTRUMENTS (Indicate make, model, 1.d.) Water Level: KGL/C Field Calibration: 1-4 PH Meter: YSI SSL Field Calibration: 1-4 PH Meter: YSI SSL Field Calibration: 1-4 Filter / Filter Size: (0 pt (C for \$,45 m(crugther: WBS AMPLING MEASUREMENTS Tom (gal. or (D) (18:32				
roject Number: 1854 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.149 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.): ampled by: TB Starting Water Level (ft. BGL): 7-21 casing Stickup (ft.): 22 creened Interval (ft. BGL): 7-21 casing Diameter (In ID): 210 casing Volume (gal.): 7-21 casing Volume (gal.): 7-20 casing Volume (gal.): 7-20 casing Stickup (ft. BGL): 7-20 casing Volume (gal.): 7-20 casing Volume (gal.): 7-20 casing Volume (gal.): 7-20 casing Volume (gal.): 7-20 casing Stickup (ft. BGL): 7-20 casing Volume (gal.): 7-20 casing Volum	Time (gal. or(L) (gal. or(L/m)) (oC) pH (mmhos/cm) D.O. Redox (mV) Color	A second s				
roject Number: DESC 1856 Project Name: EXIDE - FRISCO - LANDF(LL Date: 3/12/13 emple Number: LMW-5 Starting Water Level (ft. BMP): 17.L9 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.): Total Depth (ft. BGL): Casing Diameter (In ID): Casing Volume (gal.): Total Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Depth (ft. BGL): Total Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Depth (ft. BGL): Total Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Depth (ft. BGL): Total Depth (ft. BGL): Total Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Depth (ft. BGL): Total Depth (ft. BGL): Total Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Casing Volume (gal.): TOTAL Depth (ft. BGL): Total Dept		Water Depth				
roject Number: 2021 1850 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 ampling Location (well ID, etc.): LMW-5 ampled by: TB easuring Point (MP) of Well TOC PUC creaned Interval (ft. BGL): creaned Interval (ft. BGL): Total Depth (ft. BGL): creaned Interval (ft. BGL): tter Pack Interval (ft. BGL): UALITY ASSURANCE WETHODS (describe): Cleaning Equipment: Purging: Privatalite purp Sampling: Disposal of Discharged Water: S5 gallon dum ISTRUMENTS (Indicate make, model, 1.d.) Water Level: KEUC pH Meter: YSI SSL Conductivity Meter: YSI SSL Field Calibration: 14(3)		100 100 100 100 100 100 100 100 100 100				
roject Number: 1854 1856 Project Name: EXIDE-FRISCO-LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.L9 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.): 7 ampled by: TB Starting Water Level (ft. BGL): 7-2 casing Diameter (In ID): 21 creaned Interval (ft. BGL): 7-2 Itter Pack Interval (ft. BGL): 7-2 Casing Diameter (In ID): 21 Casing Volume (gal.): 7 Cleaning Equipment: 0 Cleaning Equipment: 0 Purging: 0 Disposal of Discharged Water: 55 gallon dum ISTRUMENTS (Indicate make, model, 1.d.) Water Level: 1551e Field Calibration: 1-4 Purger Meter: 1551e Field Calibration: 1-4						
roject Number: 2022 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.69 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.): ampled by: 17B Starting Water Level (ft. BGL): 22 received Interval (ft. BGL): 7-2 Casing Diameter (In ID): 210 Casing Volume (gal.): 7.0 Cleaning Equipment: Andréation A Meur Squipment Purging: Plantation purpor Sampling: Dame Disposal of Discharged Water: 55 gallon dum ISTRUMENTS (Indicate make, model, 1.d.)						
roject Number: 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.19 ampled by: 11B Starting Water Level (ft. BGL): 7.69 teasuring Point (MP) of Welk TOL PUC Total Depth (ft. BGL): 22 creened Interval (ft. BGL): 7-21 Casing Diameter (In ID): 210 tter Pack Interval (ft. BGL): - Casing Volume (gal.):						
roject Number: DE 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.49 casing Stickup (ft.):	INSTRUMENTS (Indicate make, model, I.d.)					
roject Number: 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.19 casing Stickup (ft.): 22 7.19 teasuring Point (MP) of Well: TOC PUC Total Depth (ft. BGL): 22 7.19 tereaned Interval (ft. BGL): 7-21 Casing Diameter (In ID): 210 ter Pack Interval (ft. BGL): - 0 UALITY ASSURANCE METHODS (describe): - 0 Cleaning Equipment:						
roject Number: 1856 Project Name: EXIDE - Fr2(SCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.19 casing Stickup (ft.): 22 7.19 teasuring Point (MP) of Welt: TOC PUC Total Depth (ft. BGL): 22 7.19 tereaned Interval (ft. BGL): 7-2 Casing Diameter (In ID): 210 Iter Pack Interval (ft. BGL):	Purging: Renestalitic burner sampling: Dank					
roject Number: 1856 Project Name: EXIDE - Fr2(SCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): 17.19 casing Stickup (ft.): 22 7.19 teasuring Point (MP) of Welt: TOC PUC Total Depth (ft. BGL): 22 7.19 creaned Interval (ft. BGL): 7-2 Casing Diameter (In ID): 210 Iter Pack Interval (ft. BGL): - 0 UALITY ASSURANCE						
roject Number: 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 amplie Number: LMW-5 Starting Water Level (ft. BMP): 17.149 casing Stickup (ft.): 22 7.169 starting Water Level (ft. BGL): 22 7.169 resource on d Interval (ft. BGL): 7-21 tter Pack Interval (ft. BGL): - Casing Volume (gal.): -						
roject Number: 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 Starting Water Level (ft. BMP): ITL9 ample Number: LMW-5 Starting Water Level (ft. BMP): ITL9 ample Number: LMW-5 Casing Stickup (ft.): ampled by: ITB Total Depth (ft. BGL): Page 17.69 Casing Diameter (In ID):		- NYATIV CONTRACTOR				
roject Number: 21227 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 ampling Location (well ID, etc.): LMW-5 ampled by: TB leasuring Point (MP) of Well: TOC PUC Last of the second sec		210				
roject Number: 2122 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 amplie Number: LMW-5 Starting Water Level (ft. BMP): 17.69 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.): 71.69 ampled by: 178 Starting Water Level (ft. BGL): 72	Measuring Point (MP) of Well OC PUC Total Depth (ft. BGL):	20				
roject Number: 21227 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 3/12/13 ample Number: LMW-5 ampling Location (well ID, etc.): LMW-5 Casing Stickup (ft.):		7.69				
roject Number:	Sampling Location (well ID, etc.): L(Mik) - 5 Casing Stickup (ft.):					
	Sample Number: LMW-5 Starting Water Level (ft. BMP):	17.69				
ROUNDWATER SAMPLING RECORD PAGE of	Project Number: - PLEST 1856 Project Name: EXIDE - FRISCO - LANDFILL Date: 31	12/13				
	GROUNDWATER SAMPLING RECORD PAGE	of				

3/13/13

	GROU	JNDWA	TER SAM	PLING	REC	ORD			of					
	Project N	umber: 17	55	Project N	Name: E	XIDE-P	RISCO	A CONTRACTOR OF THE OWNER OF THE	Date: 4-1	1-13				
	Sample N	lumber: L	MW-5			deale for the second of	Starting Water	Level (ft. BMP)):	16.94				
	Sampling	Location (we	II ID, etc.): L	mw-a	5		Casing Stickup			-				
	Sampled	by: ITB					Starting Water	Level (ft. BGL)	:	16.96				
	Measuring	g Point (MP) o	of Well. TOC	PUC			Total Depth (ft.	BGL):		25125				
<u>%</u> .	Screened	Interval (ft. B	GL):	7-0	21.5		Casing Diamet	er (in iD):		\$.0				
	THUR AND MEND AD ACTU AND	k Interval (ft. I	Children of the second s		Telefor and the second	Cartonics Productions of	Casing Volume	(gal.):	The set of the second set of the	~				
	QUALI	TY ASSU	RANCE											
	METHO	DS (describe)							1					
	Cleaning	g Equipment:	1 4 2 -	d	dico	ted or	Ment 2	quilem	end					
	Purging	JR.M	withaltic,	pun	p	Sampling:		Dane						
	Disposa	I of Discharge	ed Water:	155-	taal	lon du	m							
	INSTRUM	ENTS (Indica	ate make, model	, I.d.)	<u> </u>									
	Water L	evel:	CECK			Thermometer:	<u>`</u>	and the second s	j[
	pH Mete	er <u>V</u> S	1556			Field Calibration	n;	7-4						
	//	tivity Meter:		j6		Field Calibration								
	ACTING TO A DOLLAR TO A	Filter / Filter Size: (Onucion \$,45 micrugither: TVRB												
	THE REAL PROPERTY AND INCOME.	AMPLING MEASUREMENTS												
	1018 Time	Cum, Vol (gal. or	(gal. or L/m)	Temp. (oC)	DH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)				
	1027		,5	6.74	17.7	3460	1.74	134,7	16	19,11				
	1032		,8		7,8	3390	162	133,2		21.19				
	1039		8	3	17,8		1,61	133.6	12	23.74				
	1047	DA		loil K	7	3580	1,6(137.6		a), 19				
	104 7		-1		Ľ									
10-13	0915			1211	1.71	22/2		106 2	10					
4-12-13	<u>כווט</u>			17.4	6.74	3360	1,61	128,2	12					
					ļ									
	CONTRACTOR AND AND ADDRESS	COMPANY OF THE OWNER	t End of Purge:	DR	4		Sample Intake	Depth (fl. BMP): 3'017-	BOTTON				
	SAMPL	E INVEN	Contraction of the local division of the loc		1	-		And receptories and		and the second second				
	Time	Volume	ttles Collected Composition	(C D)		Filtration	Drawnin	1	Remark	-				
	1915	250ML	P	(6, P)	No.	<u>(Υ/N)</u> Λ	Preservation		lity control sar	npie, otner)				
	011	0.041-			- ! j	_/L		SUCF,	710					
				ATTING ATTACK					a house the second second					
1	Commente	i					De	star Dahlin						
							stor, Behlin I Double Cr							
				11-1117-2-4-4			2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664							
							(512) 6	71-3434	Fax (512) 671-3446				

Water Level (ft. BMP) at End of Purge: DRY Sample Intake Depth (ft. BMP): 3.5 0.67 & & & & & & & & & & & & & & & & & & &	GROL	INDWAT	TER SAMP	PLING	REC	ORD		F		of (
Sample Number: L(M) - G Starting Water Level (#. BMP): 19, 93 Sampled Ducation (well ID: etc.) (M) - G Casing Status (#): - Sampled by: 1TB Starting Water Level (#. BQL): 19, 93 Sampled by: 1TB Starting Water Level (#. BQL): - Screened Interval (#. BGL): - 2 (Screened Interval (#. BGL): - 2 (Casing Diameter (In ID): 2,0 - Screened Interval (#. BGL): - 2 (Casing Diameter (In ID): 2,0 - Casing Diameter (In ID): 2,0 - Casing Course DAMel - Disposal of Discharged Water: 55 - 0 allon: 104, 12 Nature Level (* LECL (Thermometer: 151 Nature Level (* LECL (Thermometer: 141(3 PH Meter: S1 SSSL Field Calibration: 14 Conductivity Meter: NSTEUMENTS Social Cond. 141(3 PH Meter: NSL (SSL) Field Calibration: 14 Conductivity Mete	Project Nu	mber: 08	CORE 18SL	Project	lame: E	XIDE-P	RISCO-L	ANDFILL	Date: 31	2/13			
Sampling Location (well ID, etc.): L(T/Ly) - G Casing Stokup (ft.):	And and a second second second second second								E.	14,93			
Wessuring Point (MP) of Weit TOL PU/C Total Depth (ft. BGL): 2.0 Screened Interval (ft. BGL): 7.2 [Casing Diameter (In ID): 2.0 QUALITY ASSURANCE Casing Volume (gal):				W-8			The state of the second second						
Measuring Point (MP) of Weit: TOL PU/C Total Depth (ft. BGL): 2.7 Screened Interval (ft. BGL): 7-2 [Casing Diameter (in ID): 2.0 GUALITY ASSURANCE Casing Volume (gal):				×			1			14.93			
Filter Pack Interval (R. BGL): Casing Volume (gal.): QUALITY ASSURANCE METHODS (describe): Cleaning Equipment Purging: Discharged Water: Disposal of Discharged Water: SS & gallen MISTRUMENTS (Indicate make, model, La) Weiter Level: EEGLA Filter / Filter Size: (Discharged Water: SSTRUMENTS (Indicate make, model, La) Weiter Level: EEGLA Filter / Filter Size: (Discharged Water: NSTRUMENTS (Indicate make, model, La) Field Calibration: Meter: YSL SSL Filter / Filter Size: (Discharged Water: Size: (Discharged Water: SAMPLING MEASUREMENTS Sampling: DI (G) (Gilla CUm) (Ggl.a) (Or) (Ggl.a) (Or) (Ggl.a) (Gr.b) (Ggl.			of Welt. TOL I	NC	· · · · · · · · · · · · · · · · · · ·		Total Depth (ft.	BGL):	22	-			
QUALITY ASSURANCE METHODS (deported): Cleaning Equipment: Disposal of Discharged Water: SS gallon dum Discosal of Discharged Water: SS gallon dum INSTRUMENTS (Indicale make, model, Id.) Water: SS gallon dum The Calibration: Conductivity Meter: SS L Filed Calibration: IL(1) Conductivity Meter: SS MELING MEASUREMENTS Office (gall of CM) Top (oc) PH (method of Colspan="2">Turbidity & Water Depth Office (gall of CM) Top (oc) PH (method of Colspan="2">Turbidity & Water Depth Office (gall of CM) Top (oc) PH (method of Colspan="2">Office (Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspa="2"Colspa="2" <td cols<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Concerning and the second s</td><td></td><td>-</td><td>2,0</td></td>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Concerning and the second s</td> <td></td> <td>-</td> <td>2,0</td>							Concerning and the second s		-	2,0		
QUALITY ASSURANCE METHODS (deported): Cleaning Equipment: Data Colspan=2 Discose of Discharged Water: Discose of Discharged	and the state of the second seco	and the second second		-R-1-1						_			
Cleaning Equipment: Purging: Purging: Purging: Purging: Purget Level (Indicate make, model, Ld.) Water Level Pitter / SL SSL File / SL SSL SAMPLING MEASUREMENTS DQL (GL CLM) & LSL SL SSL SAMPLING MEASUREMENTS DQL (GL CLM) & LSL (GL CLM) & SPE / SPE / SPE / SSL SAMPLING MEASUREMENTS DQL / SL / SL SSL SL SL SL SSL SL SL SL SSL SL SL SL SSL SL SL SL SL SSL SL SL SL SL SL SSL SL SL SL SL SL SSL SL SL S	NAME AND ADDRESS OF TAXABLE PARTY.	THE OWNER WATER OF THE OWNER OWNER OF THE OWNER OWNE	The Average of the State of the		and a second second second		and the second	Manager and an and a second					
Cleaning Equipment: Purging: Purging: Purging: Purging: Purget Level (Indicate make, model, Ld.) Water Level Pitter / SL SSL File / SL SSL SAMPLING MEASUREMENTS DQL (GL CLM) & LSL SL SSL SAMPLING MEASUREMENTS DQL (GL CLM) & LSL (GL CLM) & SPE / SPE / SPE / SSL SAMPLING MEASUREMENTS DQL / SL / SL SSL SL SL SL SSL SL SL SL SSL SL SL SL SSL SL SL SL SL SSL SL SL SL SL SL SSL SL SL SL SL SL SSL SL SL S	and the second division of	And in case of the local division of the loc	and the second se					~					
Purging: <u>Alu22alite Dutnep</u> Sampling: <u>Dane</u> Disposal of Discharged Wate: <u>55 g allon</u> <u>dum</u> INSTRUMENTS (Indicate make, model, 1.d.) Water Level (ft. BMP) at End of Purge: <u>55 g allon</u> <u>dum</u> Purge Rais Time Volume Bottles Collected Thermometer: <u>151 SSL</u> Field Calibration: <u>1-4</u> Field Calibration: <u>1-4</u> Field Calibration: <u>1-4</u> Field Calibration: <u>1-4</u> Conductivity Meter: <u>151 SSL</u> Field Calibration: <u>1-4</u> Conductivity Meter: <u>151 SSL</u> Field Calibration: <u>1-4</u> SAMPLING MEASUREMENTS 0912 (gal. of <u>165 J</u> , 4, 45 (microsofter) <u>D.O.</u> Redox (my) <u>Color</u> (ft BMP) 15 [Ju 7] (a.U.7 (b.S.57 <u>2.46</u> 15.6.3 0921 (al. 010) [gal. of <u>175 J</u> , 15.15 (Ju 7] (b.S.57 <u>2.46</u> 15.6.3 0932 - <u>115 [Ju 7] (b.T 7) (b.T </u>				d	dire	Find on	MELIT DI	auden	ind				
Disposal of Discharged Water: 55 - g allow dum INSTRUMENTS (Indicate make, model, I.d.) Water Level: CEC(Z PH Meter: YSL SSL Filed Calibration: 1-4 Conductivity Meter: YSL SSL Filter / Filter Size: (D n11 C (D + 2, 4/5 m (C all Q inter: 1)/ Q B) SAMPLING MEASUREMENTS 0914 Q140 Coint Q141 (1 5 Q151 (L 7) Q141 (1 5 Q151 (L 7) Q141 (1 5 Q142 (2 7) Q151 (L 7) Q142 (2 7) Q143 (1 5 Q151 (L 7)	-	1021	astalitic	burn	D				£				
INSTRUMENTS (Indicate make, model, 1.d.) Water Lavel: VMater Lavel: VECL PH Meter: VSLSSL Field Calibration: 1-4 Conductivity Meter: YSLSSL Field Calibration: 14(3 Field Calibration: 14(3 Filter Filter Size: (0nLf for %, 45 m(cr.quetee: 0940 (gal.qC/m) (gal.qC/m) (gal.qC/m)		· · · ·		155-	tagi	Don du		-					
Water Level: KUCL Thermometer: 151 55L pH Meter: VS1 55L Field Calibration: 1-4 Conductivity Meter: VS1 55L Field Calibration: 14(3 Filter / Filter Size: (0 m1 C / m1													
pH Meter: YSL SSL Field Calibration: 1-4 Conductivity Meter: YSL SSL Field Calibration: 14[3] Filter / Filter Size: (0 mLC / 0 mL / 2 ml / 3 ml / 4 ml / 4 ml / 3 ml / 4													
Conductivity Meter: YSL SSL Field Calibration: 14[3 Filter / Filter Size: (O m. 16 (O m. 2, 45 m (c.c.u.gither: 1)/283 SAMPLING MEASUREMENTS Office (gel. of(C) (gel. of(L) (gel. of(
Filter / Filter Size: (0 nr. 1/2 (0													
SAMPLING MEASUREMENTS D9/10 Curm. Vol. (gel. o(D) Purge Rate (gel. o(D) Temp. (gel. o(D) PH Spec. Cond. (mmhos/cm) D.O. Redox (mV) Turbidity & Color Water Depth (ft BMP) 09.21 .15 1.15 1.6.7 6.67 91.2 37 15.31 09.24 .15 1.6.7 6.67 91.2 37 15.31 09.24 .15 1.6.7 6.67 9.6 5.63 09.24 .15 1.6.7 6.67 9.6 5.63 09.24 .15 1.6.7 6.67 9.7 9.6 15.67 09.25 .15 1.67 6.67 9.6 9.7 1.6.08 19.24 .15 1.67 6.67 9.7 9.6 1.5.09 19.32 .116 .15 1.64 8.06 9.7 9.6 1.5.09 19.24 .15 .15 1.64 9.7 9.6 1.5.09 9.6 19.27 .14 1.49 9.7 9.7 9.6 1.5.09 9.7 19.													
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	nG)(a Cum. Vol. Purge Bate, Temp. Spec. Cond. Turbidity & Water Depth												
1921 113 114 105 114 15.31 1924 115 16.77 857 26 15.63 1931 15 16.77 857 26 15.63 1931 15 16.77 857 26 15.63 1931 15 16.77 857 26 15.63 1932 116 16.17 857 26 15.63 1931 15 16.77 857 26 15.63 1932 116 16.10 806 27 16.108 1932 116 16.11 806 27 16.108 1932 116 16.11 806 27 16.108 1932 116 16.11 806 27 16.108 1940 106 107 806 107 107 1940 107 107 107 107 107 1000 107 107 107 107 107 1000 107 107 107 107 107	Time		(gal. o(L/m)		pН		D.O.	Redox (mV)	Color				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	1921	•	15	16.2	16.85	912			3:1	15.31			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			15							15.103			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			16	1 7	111	and the second sec			and the second se				
TU S AM PLE Image: Strategy and Strat	p			1011	[lac 10]	000				Tervo			
TU S AM PLE Image: Sector	0020	1444	JUTAL DI	0.00	0 1.0	0110 51	201000			IL DED. RI			
0940 - well is pre 14 14.4 14.6 18.2 15.04 0921	VUSZ			POM	4- 07-	PND EI	HCUATE 1	HE WE	LC. W	ILL KLIVIA			
Mater Level (ft. BMP) at End of Purge: DR.Y Sample Intake Depth (ft. BMP): 3.5 0.6FF & TDM Water Level (ft. BMP) at End of Purge: DR.Y Sample Intake Depth (ft. BMP): 3.5 0.6FF & TDM SAMPLE INVENTORY Bottles Collected Time Volume Composition (G, P)		105	HINDLE										
Mater Level (ft. BMP) at End of Purge: DR.Y Sample Intake Depth (ft. BMP): 3.5 0.6FF & TDM Water Level (ft. BMP) at End of Purge: DR.Y Sample Intake Depth (ft. BMP): 3.5 0.6FF & TDM SAMPLE INVENTORY Bottles Collected Time Volume Composition (G, P)	0010				{								
Water Level (ft. BMP) at End of Purge: DRY Sample Intake Depth (ft. BMP): 3.5 Off-BotTom SAMPLE INVENTORY Bottles Collected Filtration (Y / N) Preservation Remarks (quality control sample, other) ZSONL 2GOIN (Y 10 No. Pastor, Behling & Wheeler, LLC	0740-	WELL	IS DR.9										
Water Level (ft. BMP) at End of Purge: DRY Sample Intake Depth (ft. BMP): 3.5 Off-BotTom SAMPLE INVENTORY Bottles Collected Filtration (Y / N) Preservation Remarks (quality control sample, other) ZSONL 2GOIN (Y 10 No. Pastor, Behling & Wheeler, LLC										10 01			
SAMPLE INVENTORY Bottles Collected Filtration Remarks Time Volume Composition (G, P) No. (Y / N) Preservation (guality control sample, other) 250nL 250nL 250nL 1 Y 10ncm 14103 TOTAL METALS 250nL 250nL 1 Y .45 mcm HN03 DI SS D LYED METALS 250nL 1 1 Y.45 mcm HN03 DI SS D LYED METALS	0927		,14	12.4	6.61	862			80	15.04			
SAMPLE INVENTORY Bottles Collected Filtration Remarks Time Volume Composition (G, P) No. (Y / N) Preservation (guality control sample, other) 250nL 250nL 250nL 1 Y 10ncm 14103 TOTAL METALS 250nL 250nL 1 Y .45 mcm HN03 DI SS D LYED METALS 250nL 1 1 Y.45 mcm HN03 DI SS D LYED METALS													
SAMPLE INVENTORY Bottles Collected Filtration Remarks Time Volume Composition (G, P) No. (Y / N) Preservation (quality control sample, other) 250nL 250nL 250nL 1 Y 10ncm 14103 TOTAL METAL S 250nL 250nL 1 Y .45 mcm HAI03 DI SS D LYED METAL S 250nL 1 Y .45 mcm HAI03 DI SS D LYED METAL S									, I				
SAMPLE INVENTORY Bottles Collected Filtration Remarks Time Volume Composition (G, P) No. (Y / N) Preservation (quality control sample, other) 250nL 250nL 250nL 1 Y 10ncm 14103 TOTAL METAL S 250nL 250nL 1 Y .45 mcm HAI03 DI SS D LYED METAL S 250nL 1 Y .45 mcm HAI03 DI SS D LYED METAL S	Water Lev	el (ft. BMP) a	t End of Purge:	DA	Y		Sample Intake	Depth (ft. BMP	: 3,5	OFF BOTTOM			
Bottles Collected Filtration Remarks Time Volume Composition (G, P) No. (Y / N) Preservation Remarks 250nL 250nL 250nL 1 Y 10ncm HA103 TOTAL METAL S 250nL 250nL 1 Y .45 mcm HA103 TOTAL METAL S 250nL 1 Y .45 mcm HA103 DLSS DLYED METAL S	THE R PROPERTY NAMES IN CONTRACTOR OF	and a state of the second s	CONTRACTOR OF A DESCRIPTION OF A DESCRIP										
Time Volume Composition (G, P) No. (Y/N) Preservation (quality control sample, other) 2500L 2500L 1 Y 100000 14103 TVIAL METALS 2500L 2500L 1 Y .45 micm HNI03 DI SS 0 LYEO METALS 2500L 1 Y .45 micm HNI03 DI SS 0 LYEO METALS 2500L 1 Y .45 micm HNI03 DI SS 0 LYEO METALS 2500L 1 Y .45 micm HNI03 DI SS 0 LYEO METALS 2500L 1 1 Y .45 micm HNI03 DI SS 0 LYEO METALS		the second s	No. of Concession, Name of Street, or other			Filtration			Remark	ís			
Some asone P 1 Y.45 min HAIO3 DISSOLVED METALS	and the second sec		Composition	(G, P)	No.		Preservation	(qua					
Some asone P 1 Y.45 min HNO3 DISSOLYED MENALS	2500L	250ML	l P			YIONON	n 141/03	TOTAL	MEDALS				
Comments: Pastor, Behling & Wheeler, LLC	ZSOML	25001	8			4.45 micro	HAIOL	DISSOL	120 MI	MALS			
- Fastor, Denning & Wildows, ELO													
- Fastor, Denning & Wildows, ELO													
					-	and the second strength of the second							
	Commente	3:					Pa	stor. Behlin	a & Wheel	er. LLC			
SPLIT SAMPLES WITH TOEG - FILTERED 2201 Double Creek Dr., Suite 4004	SPLIT	SAMPI	ES MORT	TOF	A -	FILTERI		•	-				
	2011	head											
TOTAL METALS 18 MINH PRESERVIED (512) 671-3434 Fax (512) 671-3446	TOIHC	116 17	.7		ANART	(ne)ERIE	(512) 6	71-3434	Fax (512	?) 671-3446			

3/13/13

	GROL	INDWAT	TER SAMI	PLING	REC	ORD	PAGE of							
	Project Nu	umber: 17	55	Project N	lame: F	XIDE-F	RISCO		Date: 4-1	1-13				
	Sample N		LMW-8		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 <u> </u>	Starting Water Level (ft. BMP): 14.76							
		Location (wel	ID, etc.): LM	1W-8			Casing Stickup							
		by: ITB					Starting Water Level (ft. BGL): 14.76							
			of Well. TOLI	NC			Total Depth (ft. BGL): 22.10							
24.0		Interval (ft. B			1.5		Casing Diamete	er (in ID):		2.0				
	Filter Pack	k Interval (ft. E	BGL):				Casing Volume	(gal.);		-				
	QUALI	TY ASSU	RANCE											
	METHO	OS (describe)		4					1					
	Cleaning	g Equipment:	1 4 4 4	de	idico	ted or	ment e	quileme	int					
	Purging	ken	aptaltic.	prine	p	Sampling:		Dane						
	Disposa	I of Discharge	ed Water:	155-	toral	lon due	n							
		NSTRUMENTS (Indicate make, model, I.d.)												
	Water L	evel:	CIECK			Thermometer:	<u>`</u>	151 55	il					
	pH Mete	er: <u>VS</u>	155le	- /		Field Callbration	1 ; 8	1-4						
		tivity Meter:	YSI SS			Field Calibration		1413						
		Filter/Filter Size: (OMICION & 45 MICRUPHER: NRS												
	1 more than the second	SAMPLING MEASUREMENTS												
	091L													
	0922		.50	16.9	7.06	710	261	42.1	26	(ft BMP) [7.28				
	0933		180	16.1	7,01	700	2.46	43.9	29	21.90				
	0937		DRY	10.0	1.01	100	0,16	(2. 5		0010				
	10/2/								_					
	0820			1.51	7.06	720	2.52	44.3	17					
4-12.13	10000				1.06	120	2.52	- 1. 7						
1														
	 													
				-					101000	P				
	ALC: UNDER DRAWING THE R. P.	LE INVEN	t End of Purge:	יוע	24		Sample Intake	Depth (ft. BMP): 4 017-	porton				
	SAMPI	CONTRACTOR OF A DESCRIPTION OF A DESCRIP	ttles Collected											
	Time	Volume	Composition	(G, P)	No,	Filtration (Y / N)	Preservation	(qua	Remark lity control sar	-				
	0820	250ML	P	1		Y-10	HND3	1						
	0820	250ML	Q			4-,45	HND3	TOTAL METALS DISSOLVED METALS						
	0820	25ml	P				maos	SULFAT						
	10000	arme							C					
								L						
	Comment	8:					Pa	stor, Behlin	g & Wheeld	ar, LLC				
							220	1 Double Cr						
							Round Rock, TX 78664							
							(512) 671-3434 Fax (512) 671-3446							

	GROU	NDWAT	ER SAM	LING	REC	ORD	PAGE of			f				
			Contraction of the local division of the loc	and the second second second		XIDE-F	215002-L	ANDEIL	Date: 3 [2/13				
		mber: (M)		1 10,001 11	μ	ALOC L	Starting Water I			16,24				
		the second s	ID, etc.): / M	41-9			Casing Stickup (ft.):							
	Sampled b						Starting Water Level (fl. BGL): 11.24							
			Well TOLL	VC			Total Depth (ft.		24					
÷.		nterval (ft. BC	and the second s	9-2:	3		Casing Diamete	ar (In ID):		2.0				
	Filter Pack	Interval (ft. B	GL):				Casing Volume	(gal.):		_				
	QUALIT	TY ASSU	RANCE											
	METHOD	S (describe):						`						
	Cleaning	Equipment:	1 4 4 -	de	diña	ted or	ment ex	guileme	ind					
	Purging:	ker	iptaltic	pune	p	Sampling:		Dane						
	Disposal	of Discharge	d Water:	55-	taal	lon due	h		in the second					
	INSTRUM	ENTS (Indica	te make, model.	I.d.)	5									
	Water Le	vel: ¥	IGCIL			Thermometer:	~	51,55	<u>ماز</u>					
	pH Meter		1556			Field Calibration);	1-4						
		vity Meter:	451 55	1		Field Calibration	100 miles	1413						
	and the second sec	Filter / Filter Size: (UMICION & 45 MICRUPINER TUBB												
	and the second sec	AMPLING MEASUREMENTS 7 Cum. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Water Depth												
	0 <i>807</i> Time	(gal. of L)	(gal. o(L/m))	(oC)	рН	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)				
	0817		13	16	6.11	3289			3.9	16.59				
	0822		.14	16.6	6.14	3296			4.6	6.82				
	0827		13	16,6	6.15	3299			4,4	1.04				
	Pur 1			TUELOF	14.12									
	0845		13							17,81				
		turn to		to	012	cuzte t	he well	2 WI	1 cetu					
		SAMP					re wie	1 1001	1 123	1.1.1				
	0912+		22 day											
3/13/13	4 11.	- ALC	()											
36 . 7	0830		.13	Hor 2	621	3276			6.9	20.54				
	1000			Noc 1		Jariq			- St. 1					
		N/# RMP\ a	t End of Purge:	DK	by		Sample Intake I	Depth (ft. BMP	· 4' + 6	Boppon				
	NOT REAL PROPERTY OF	E INVEN	NAME AND ADDRESS OF TAXABLE PARTY.		Your		Sample make i	Depart (n. Divi	<u>k l UPP</u>	are filer c				
		and the second second second second	ttles Collected			Filtration			Remark	s				
	Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation	the same set of the se	lity control sar	nple, other)				
	0910	250ML	P			N	HAIDS		nethls					
	10910	250mL	9			4.45mian	h HNR3	DISSULU	to met	ALS				
	Comments		S triai	Tach		~ 02m	Pa	stor, Behlin						
	prui	ZITICATION	W [1]1			FILADZED								
	10771	- MET	ALS			preseru	(512) 671-3434 Fax (512) 671-3446							
							(=.=, =							

GROL	INDWAT	TER SAM	LING	REC	ORD		F		if _ [
Project Nu	mber: 17	55	Project N	ame F	XIDE-P	RISCOS		Date: 4-11	1-13	
Sample N		LMW-9	110,0011		~100 L				20.17	
		1 iD, etc.): (M	1, 1 - 9			Starting Water Level (ft. BMP):				
	ov: ITB		Nº L			Starting Water Level (ft. BGL): 20.17				
		Welt. TOLI	VC			1			27.75	
	Interval (ft. B			3,5		Total Depth (ft. BGL): 27.75 Casing Diameter (In ID): 2.0				
	(Interval (ft. E		1-2	12		Casing Volume				
NAME AND POST OFFICE ADDRESS OF TAXABLE POST OFFICE ADDRESS	TY ASSU	A Print Party of the Party of t	Two realizations	Contractory of States of States	A DESCRIPTION OF THE OWNER	Casing volume	(98).).			
A HOUSE AND AND A	CONTRACTOR OF STREET,	A DESCRIPTION OF A DESC	The second second second		CONTRACTOR OF THE ACT				Confective contraction (V)	
0.	DS (describe)		1	1 5	1-1 0	marine 0.	a 1. 10 m	24-1		
	g Equipment:	astaltic.	h-as	dica		ment es	nane	ja		
Purging	And the Area have been been as		Janne	1-1	Sampling:		Dune		des profile star and	
	l of Discharge		551	gal	lon du	in				
		te make, model.	l.d.)				100 00	1		
Water L	117	CECIC	·····		Thermometer:	_	51,55			
pH Mete		1556	1		Field Calibration		1.112			
/	tivity Meter:	YSI SS			Field Calibration	A CONTRACT OF A	1413			
ALL REPORTED AND A		MICION	3,45	MICA	Qther: NR	45			and the second second second second	
The state of the s		SUREMEN	The state of the second second				pocessorerormany			
0827 Time	Cum. Vol. (gal. of L)	(gal. or (/m))	Temp. (oC)	pH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)	
0845	19.00	5	19.5	6.99		1.34	114,3	36	23,27	
0853				7.01				29	*****	
	7		19.6	1.0	3630	1,27	114.7	$\propto 1$	25,47	
0904-	<u> </u>	-7								
						·•				
0755	-		192	7.04	3630	1.62	1024	28		
						1				
	al (ff BMP) a	t End of Purge:	DA	29		Sample Intake	Depth /ft BMP	· S'DEE	BATTON	
ALC: NOT THE OWNER OF	EINVEN	AND INCOMENTATION OF THE OWNER WATCHING THE PARTY OF THE PARTY.	- dely			Sample Intake			perpet	
		ttles Collected		the Character and State	Filtration			Remark	\$	
Time	Volume	Composition	(G, P)	No.	{Y / N}	Preservation	(qua	lity control sar	-	
0755	25Um	p		1	Y-10	HN03	TOTAL SELENIUM			
0755	250mL	P			4-,45	HNO3 DISSOLVED SELENIUM				
0755	2Sbm/	p								
52	asong			<u> </u>			SULF	11E		
	and the second second	in the second second			Contraction in a fail of the second second			States Married Sciences		
Comment	5:					Pa	stor, Behlin	a & Wheeld	ar. LLC	
								-		
						2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664				
						(512) 6	71-3434	Fax (512) 671-3446	
		and the state of the state of the						- Carlot and the product of the		

4-12-13

GROL	INDWAT	ER SAMP	LING	REC	ORD		F		of			
Project N	umber JE	CAR 18SL	Project N	ame: F	XIDE-F	RISCO-L	ANDFILL	Date: 312	13			
Samola M	umber: LM	11-17		cino. c	<u>~100 (</u>	Starting Water			18,52			
Sampling	Location (well	ID, etc.): (_M	61-1	7		Casing Stickup						
	by: ITB		00 0			Starting Water			18,52			
		Welt TOL F	VC			Total Depth (ft. BGL): 23						
and the second second	Interval (ft. B		0-2	$\hat{\Omega}$		Casing Diameter			4.0			
	k Interval (ft. E		De	0		Casing Volume						
and the second second second	TY ASSU	AND THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE				Casing volume	(98.).					
No. of Concession, Name	DS (describe)	CONTRACTOR OF THE OWNER.		Concernation of the second			~					
	g Equipment:		d	din	Fid a	ment en	aulpma	INC				
Purging	u Equipment.	astalitic.	hum	n	Sampling:		lane					
			TEE-	Gal		ः ः 	1100.00		11 2 - 2 - 2			
	I of Discharge		22	ga	lon an	m_						
		te make, model.	I.d.)	0.7	Themometer:	· · · · · · · · · · · · · · · · · · ·	151 55	1 -				
Water L	112	1556				-	1.02					
pH Mete		YS1 55	1.		Field Calibration		1413					
11	tivity Meter:				Field Calibration		1912					
	Filter / Filter Size: (OMICION \$,45 MICRUPIC TURAS											
COLUMN STATES	Cum. Vol	Purge Rate	Temp.		Spec. Cond.			Turbidity &	Water Depth			
1010 Time	(gal. or L)	(gal. or (/m)>	(oC)	pН	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)			
1020		15	18.6	638	1092			9.8	19,55			
1025		14	19.0	6,35	10910			3,3	18,510			
1030		-12	19.1	6.33	1091			2 2	19 510			
1000			111	603				di	11.70			
L												
Water Les	I (# BMP) a	t End of Purge:	18	56		Sample Intake	Denth (ft BMP	2'01	FBOTTOM			
Trade of the Owner water of the Owner water of	LE INVEN	CONTRACTOR OF THE OWNER OF TAXABLE	1.01	26		Sample Intake	Deptri (II. Divir		(DUNDER			
SAMP	A second s	ttles Collected			Fileration	r	1	Remar				
Time	Volume	Composition	(G P)	No.	Filtration (Y / N)	Preservation	(oua	lity control sa				
1040	250ML	ρ	(0,1)	1	AL	HNO3	TETAL					
1046	250ML	6		1.	USUA	HNOZ DISSOLVED, 45 MICRO						
1040	asunc	<u>r</u>				I MUS	ענטע		JIILIBIL			
		A						where an it is an in the factor				
Comment	s:SPLIT	SAMPI	ES	WIT	H TCER	De	etor Bohlin	a & Wheel	er LLC			
TOML METALS - NON FILTERED					Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004							
JB WAR PRESERVED					Round Rock, TX 78664							
	JO WASKA PRESERVELJ					(512) 671-3434 Fax (512) 671-3446						
1						1		·				

GRO	UNDWAT	TER SAMI	PLING	REC	ORD		F		f	
Project N	umber: 17	55	Project N	lame: E	XIDE-F	RISCO		Date: 4-1	1-13	
Sample N		MW-17			12.1 Sr. St	Starting Water	Level (ft. BMP)	:	18,34	
		ID, etc.): CP	nW-1	7		Casing Stickup			****	
	by: ITB					Starting Water			18,34	
		of Welt. TOC	VC			Total Depth (ft.			-	
	Interval (ft. B					Casing Diameter	-		2.0	
	k Interval (ft. E					Casing Volume			_	
QUALI	TY ASSU	RANCE	voulin allman	1000 0 10 10 10 10 10 10 10 10 10 10 10						
METHO	DS (describe)				······					
Cleanin	g Equipment:	1 Aa -	_d	dica	ted or	ment le	guleme	int		
Purging	per	astaltic.	prime	p	Sampling:		Dane			
Disposa	al of Discharge	ed Water:	55-	togal	lon due	in				
	the second s	te make, model,	1.d.)	5						
Water L		LECIL			Thermometer:	~	151,55	ماذ		
pH Mete	er: <u>YS</u>	1556			Field Calibration	1; a	7-4			
Conduc	tivity Meter:	YS1 55	slo		Field Calibration	n:	1413			
Filter / F	Filter Size: ((C	DALLETON	\$ 45	mica	Ather: NR	B				
SAMPI	LING MEA	SUREMEN	and the second							
(2.34 Time	Cum. Vol.	Purge Rate	Temp.	-	Spec. Cond.	The second second second second		Turbidity &	Water Depth	
	(gal. o(L)	(gal. or (L/m))	(oC)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)	
(244			17.6	7,07	960	2.12	100.9	6.7	18,42	
1249		.12	17,7	7,68	950	2.0%	101.6	7,4	18,43	
1254		.12	17,7	7.08	950	2.05	101.6	7,7	18.43	
	1			1						
			10	113		I				
		t End of Purge:	L. / Ø1	43		Sample Intake	Depth (ft. BMP): 5' ofip]	Sollon	
SAMP	LE INVEN	IORY Itles Collected		Not served to be	e a caracterization de Antodilion	and the state of the				
Time	Volume	Composition			Filtration	Bronon miles	10.00	Remark		
	250m		(0, P)	No.	<u>(Y / N)</u> <u>(Y / N)</u>	Preservation		lity control sar	npie, otner)	
1300	a jone				14	- SULFATE				
			-			<u> </u>				
Comment	6'		ALTICLE THE PARTY	WHICH MANNERS		Contraction of the state of the		D B Millions		
Sonangill						,	stor, Behlin I Double Cr	-		
						220		ck, TX 786		
						(512) 6	71-3434) 671-3446	
						(=,,-		· · · ·		

GROUNDWA	GROUNDWATER SAMPLING RECORD PAGE of											
Project Number: Q	MARIBSL	Project	lame: F	XIDE-F	RISCO-	ANDFILL	Date: 3	12/13				
Sample Number:	14-21			MIQC I	Starting Water			20111				
Sampling Location (w		111-21	· · · · · ·	11 4 1 4 m	Casing Stickup			~ ~				
Sampled by: 1TB		100 01			Starting Water		••••••••	20.11				
Measuring Point (MP)	of Well-TO,	DUC-			Total Depth (ft.		25					
Screened Interval (ft.)		1-25			Casing Diameter		Ant 140	2.0				
Filter Pack Interval (ft.		~ ~ J			Casing Volume			010				
QUALITY ASSI	Name in case of \$10.1 If the Read of the South Party of the		and the state of	AND IN CONTRACTOR OF THE OWNER.	Casing Volume	(gai.).						
METHODS (describe	the sum of such that is not the such that the											
	Cleaning Equipment: dedicated or new equilement											
100	Purging: Renastative burner Sampling: Danie											
Disposal of Discharged Water: 55 gallon dum												
NSTRUMENTS (Indicate make, model, I.d.)												
Water Level:	KELL			Thermometer:	~ ``	151 55	ماذ					
pH Meter:	51 556			Field Calibration).	1-4		the second s				
Conductivity Meter:	the second s	56		Field Calibration		1413						
	Filter / Filter Size: (Unucron & 45 micropher: NPB											
SAMPLING MEASUREMENTS												
AND INCOMES INCOMES INCOMES IN COMPANY OF THE	UV Cum. Vol. Purge Rate Temp. Spec. Cond. Turbidity & Water Depth											
Time (gal. or L)	Time (gal. or L) (gal. of L /m) (oC) pH (mmhos/cm) D.O. Redox (mV) Color (ft BMP)											
HIL	120	20,5	6.47	1823			29	20,10				
1421	113	10.5	6.93	1822			20	20.12				
1499	13	2016	111	1828			11	20,19				
1432	13	20.4	6,49	1826			"a	2012				
11/20	1/2	20,7					8,8	20112				
1422		KV11	6.47	1832			010	20,12				
		-										
			ļ									
					()							
Water Level (ft. BMP)	at End of Purge:	201	12		Sample Intake	Depth (ft BMP	1: 2.5'	VAB 1 TOM				
SAMPLE INVE	THE OWNER WATER AND INCOMENDATION OF TAXABLE PARTY.				Cumpio mako			and the second se				
the loss state in case of the loss of the	ottles Collected			Filtration			Remark	(9				
Time Volume	Composition	n (G, P)	No.	(Y/N)	Preservation	(gua	lity control sa					
1445 251	P	10-10-10-10-10-10-10-10-10-10-10-10-10-1		N	HN63	TOTAL W	SECORAS	JB METALS				
1445250	P			Y .45	HALDO	DISSOLU	DO MEN	215				
1112-10-					11013	VISSICA						
	l											
Comments: DVPL	1CAR la	this	INNE	DVP-	Da	stor, Behlin	a & Wheel	er LLC				
SCLIT GAMPIK	SIMA	TCEG	- VX XV	N FILTER		1 Double Cr						
TOON ME	m s	1000	B son			Round Ro						
TOTAL MET	and so the second se	ar	-JY 1	MA PRESER	(512) 6	71-3434	-	2) 671-3446				
TLEG TOOK	A PUPLIC	474										

GRO	UNDWAT	TER SAMI	PLING	REC	ORD				of
Project N	umber. 17	55	Project N	lame: E	XIDE-P	RISCO	and the second data the	Date: 4-1	1-13
Sample N		MW-21				Starting Water	Level (ft. BMP):	19.29
	and a second sec	I ID, etc.): LT	n11)-2	1		Casing Stickup			
	by: ITB					Starting Water I			19.29
	g Point (MP) c	Welt TOU IS	NC			Total Depth (ft.			200 ~
	Interval (ft. B		4.0			Casing Diamete			270
Starturget and an and any	k Interval (ft. E					Casing Volume			
the second	TY ASSU	INTERNATION OF THE OWNER WAS INTO THE OWNER.	*P	ATTAIN TO AN		loconig rolania	(30.1).		ter mer streat missionerie
Anananan ananan	DS (describe)	COMPANY AND ADDRESS OF THE REAL	- Andrew Salara Salara	- Contraction of the second					
Cleanin	g Equipment:		de	dico	ted or	MPINT DA	aulem	end	
Purging	Ren	astaltic.	birne	n	Sampling:		Dane		
	al of Discharge		55-	toral					
		te make, model,		gia					
Water L		CECIL			Thermometer:		51 59	56	
pH Mete	112	1556			Field Callbration	1:	1-4		
. ·	tivity Meter:		sla		Field Calibration		1413		
11		-1	\$.45	mica					
A REAL PROPERTY AND A REAL	and the second	SUREMEN			Lander Martin	A STREET, STRE	CONTRACTOR OF STREET	and with the figure of the loss	NUMBER OF STREET, STREE
1413 111me	Cum. Vol.	Purge Rate	Temp.		Spec. Cond.		per cartore persona	Turbidity &	Water Depth
	(gal. or D)	(gal. or L7mt)	(00)	рН	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)
1423		_10	19.4	6.79	1540	1.41	146.5	3.7	(9.4)
1428		.1(19.6	6.74	1550	1.34	147.1	4,6	15.41
1433			19.7	6.75	1550	1.35	147.2	4,6	17.41
			-i-ilerp						
	1								
	1								
	ii								
NAME OF TAXABLE PARTY.	ATTACK FOR THE REPORT OF THE PARTY OF THE PA	t End of Purge:	19.4	1		Sample Intake I	Depth (ft. BMP	:4 OFF 1	sotion
SAMP	LE INVEN	A REAL PROPERTY OF A REA							
	1	ttles Collected			Filtration			Remark	
Time	Volume	Composition	(G, P)	No.	(Y/N)	Preservation		lity control sat	
1445	250mc				月 零N	HNU3		METAL	
1445	250m(P			4-145	HNO3	PISTOL	uen m	ETACS
1445	2gunc	P			-	-	SULF	HE	
Comment	S'	A CONTRACTOR OF CONTRACTOR	1979 (1976) 1979 (1976)		Contraction and the Philipping	Mathematica Parallelica B		- 6 164.	- 14.0
Commente	oningino.						stor, Behlin	-	
						2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664			
						(512) 671-3434 Fax (512) 671-3446			
						(012)0			,

	GROUNDWATER SAM	IPLING REC	ORD		PA								
	Project Number: JB Delle 12	SLProject Name: F	KIDE-F	RISCID-L	ANDFULLD	ate: 3/12	-113						
	Sample Number: CM41-22		<u>MAN MARKET</u>		Level (ft. BMP):		17,18						
	Sampling Location (well ID, etc.):	nw-22		Casing Stickup		,							
	Sampled by: TB			Starting Water	Level (ft. BGL):		17.18						
	Measuring Point (MP) of Well. TOC	PUC		Total Depth (ft.		20]						
(4 <u>6</u>)	Screened Interval (ft. BGL):	5-20		Casing Diamete	er (in ID):		2.0						
	Filter Pack Interval (ft. BGL):			Casing Volume	(gal.):								
	QUALITY ASSURANCE												
	METHODS (describe):												
	Cleaning Equipment:	dedica	tid or	Ment Pr	guileme	rd							
	Purging: perastaltic		Sampling:		Dane								
	Disposal of Discharged Water: 55 - gallon dum												
	INSTRUMENTS (Indicate make, mod	el, l.d.)											
	Water Level: KECK		Thermometer:	<u> \</u>	151,551	<u></u>							
	pH Meter: <u>YSL 55Le</u>	<i>F</i> 1	Field Calibration	1	1-4								
	Conductivity Meter: 4515		Field Calibration		1413								
	Filter / Filter Size: (0 puc ron	A REAL PROPERTY OF A DRIVEN AND A	Qther: NR	43									
	SAMPLING MEASUREME	the second se	-										
	Time (gal. or L) (gal. or L)	Temp. (oC) pH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)						
	1113 ,15	17.96.45	1172			2.6	18.11						
	1118 14	18,16.48	1184			3.9	19.54						
	1123 114	18,2 6.48	179			3,6	18,92						
							10/1-						
	1121 TURNED POMP	RATE UP	TO EUA	CHATE T	UE LIEIV	, WILL	RETURN						
	TO SAMPLE	price pr	10 EUN	LANICI	ne weg	1-will	FUDION						
					-								
	1147-WELL IS DRY												
1.7/13	1002 ,13	1811 6,52	1131			6,2	20.49						
3 3 3 3	1000 11-		_11_21			101~	avigi						
		Programs 5	OV	l	<u> </u>	151	2 (7)						
	Water Level (ft. BMP) at End of Purge SAMPLE INVENTORY	MANAL I	pry	Sample Intake	Depth (ft. BMP):	15' m	= Britten						
	Bottles Collected					Dental							
	Time Volume Compositio		Filtration (Y / N)	Preservation	(quality	Remarks y control sam							
010	250ML-7 P		4-10	HNDS	TOTAL	METAL							
	250mb=> P		4-,45	HND2	DISSOLV		MALS						
1010					DIFFOL	<u>en 111</u>	(FIL)						
							>						
	Comments:			Pa	stor, Behling	& Wheele	r, LLC						
	Sput samples in n	4 TCE/2 - 1	TLAERED		Double Crei								
	TOTAL METALS		PRESERVE	0	Round Rock								
		- paperty	Me Jenue	(512) 6	71-3434	Fax (512)	671-3446						
		Toto de la completa d	na / martine and an and a second	and the second			Canadage to Annual Property in the local						

GROU	INDWAT	TER SAMI	PLING	REC	ORD		F		of(
Project Nu	mber:	155	Project I	Name: E	XIDE-F	RISCO		Date: 4-1	1-13		
Sample N	umber: (1	nw-22			1	Starting Water			21.21		
		II ID, etc.): LN	120-0	22		Casing Stickup (ft.):					
Sampled b						Starting Water Level (ft. BGL): 21.2(
	the second s	of Well. TOLI	NIC			Total Depth (ft.		11	25,40		
	Interval (ft. B		4.0			Casing Diameter (in ID): 4, 0					
	Interval (ft. E	141 CON				Casing Volume			-		
and the second second second	TY ASSU	A ST CA TAT DATE OF THE OWNER	tiet norma			Journal	(3).	and the second second second second			
METHOD	S (describe)						N				
Cleaning	Equipment:	1 1 .	d	edico	ted or	Mello DA	quileme	int			
Purging:	1Ren	astalitic.	pismi	p	Sampling:		Dane				
Disposal	of Discharge		155.	toral	lon due						
INSTRUM		le make, model	1.d.)								
Water Le	117	CIECIC			Thermometer.	<u>``</u>	151,55	il.			
pH Mete		1556			Field Calibration	1.	1-4				
	ivity Meter:	YSLSS			Field Calibration	1. Common 1	1413				
		DALICION		mica	Qther: NR	28	Contraction of the local division of the loc	CHERRICAL TAXABLE			
Martine material	COLUMN TWO IS NOT THE OWNER.	SUREMEN	No. of Concession, Name								
0943 Time	Cum. Vol. (gal. or L)	Purge Rate (gal. or L /m)	Temp. (oC)	DH	Spec. Cond. (mmhos/cm)	D.O.	Redox (mV)	Turbidity & Color	Water Depth (ft BMP)		
1951	(gui or u)	.50	(7.6	6.71	2170	1.92	67.4	12			
		and the second sec		1	the second se				22.39		
0959		680	[7,4	6.74	2120	1.74	66.4	9.6	27,67		
1006		180	17.4	6.75	2130	1.73	66.3	8,9	24.82		
1012	D	27		L							
						······································					
0845			17.6	676	2110	1.74	67.4	10			
1011			11.00	Pile	=110	11/4	01.1				
Nater Levi	al (ft BMP) a	t End of Purge:	DK	19-		Sample Intake I	Denth /# BMP	4 AFER			
And in case of the local division of the loc	EINVEN	THE R. P. LEWIS CO., LANSING, MICH.	MONTH OF THE			Gampie make i	Dobin (it, Dian	r i offo			
	and the second se	ttles Collected			Filtration			Remark	5.		
Time	Volume	Composition	(G, P)	No.	(Y / N)	Preservation	(qua	lity control sar			
0845	250mc	P			Λ		SULFATE				
				1							
	aundered and a diverse of					-		Charlen and Statement			
Comments						Pa	stor, Behlin	g & Wheeld	or, LLC		
							Double Cr				
								ck, TX 786			
						(512) 6	71-3434	Fax (512) 671-3446		
							Round Ro	ck, TX 786	64		

4-12-13

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GRO	UNDWAT	TER SAMI	PLING	REC	ORD	and an	F		f		
Project N	umber: 17	55	Project N	ame: E	XIDE-P	RISCO		Date: 4-11	-13		
Sample N	Name of Column 2 is not the owner.	NW-20R				Starting Water	Level (ft. BMP)	:	19.04		
Sampling	Location (wei	I ID, etc.): PM	14-21	NC		Casing Stickup		3	~		
	by: ITB					Starting Water Level (ft. BGL): 19.64					
		of Well. TOLI	NIC			Total Depth (ft.		2	~		
	I Interval (ft. B		4.5		·····	Casing Diameter			2.0		
	k Interval (ft. E					Casing Volume (gal.):					
BACKLOWIG CARRY NO.	TY ASSU	AND THE REAL PROPERTY AND A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTIONO	*****				Mariline and	in a subset of a state of a state			
METHO	DS (describe)		and the second second					and a second			
Cleanin	g Equipment:	1 4 .	de	din	ted or	meur e	auleme	ind			
Purging	Ren	aptalitic.	burn	n	Sampling:		Dane				
	al of Discharge		55-	toral							
	and the second se	te make, model,		ga	C	48. Store	2				
Water L		LIGCIL			Thermometer:	1	51 59	ماذ			
pH Met	er: <u>V</u> S	1556			Field Calibration	1:	1-4				
Conduc	tivity Meter:	YS1 55	sla		Field Calibration	ו:	1413				
Filter / F	Filter Size: ((pullion	\$.45	mica	Qther: N/	B					
		SUREMEN		orden of the same fig	And a second second second	and the state of the state state	A DELLES THAT AS IN VISION FO	And the second second second	and the set of the second party of		
1326 Time	Cum. Vol.	Purge Rate	Temp.		Spec. Cond.	1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 -		Turbidity &	Water Depth		
	(gal. o(L))	(gal. or ([/m])	(00)	pH	(mmhos/cm)	D.O.	Redox (mV)	Color	(ft BMP)		
1334		10	20.1	7.07	1190	6,87	156.4	7.4	19,31		
134(20.3	711	1210	0.81	157.4	8,	19.32		
1346			20.2	7.12	1220	0,82	157,5	84	19,32		
L											
									and the second second		
			10	20	<u> </u>	l	l	11.50 8			
Date of the second s	LE INVEN	t End of Purge:	19.	2		Sample Intake	Depth (ft. BMP	9 off D	0710~		
SAMP	A CONTRACTOR OF A CONTRACTOR O	Itles Collected					n ann an t-ann an t-ann ann ann an t-ann an t-an				
Time	Volume	Composition	(G P)	No.	Filtration (Y / N)	Preservation	(oua	Remarks lity control san			
1355	250ML	ρ	(0,1)	140,		HNO3		nETALS	and the second se		
1355	some	p			and the second s	1					
- Carrier Course		<u>r</u>		<u> </u>	Y-145	HNO3		LUED M	VETIC)		
1355	250mc	Ľ		<u> </u>			SULFAT	E			
		and the second second second									
Comment	6:					Da	stor, Behlin	a & Wheels	THC		
								-			
				****		2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664					
						(512) 671-3434 Fax (512) 671-3446					
						Construction of the second					

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2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664 (512) 671-3434 Fax (512) 671-3446			

		OPMEN						(of(
Project Nu	umber: 173			Name:	EXIDE -	FRISCO) [Date: 1-16-(
Well Loca	tion (well ID,	etc.): B4	R			Starting Wate	r Level (ft. BM	P):			
Develope	d by: JTP	, ,				Casing Sticku	p (ft.):				
		of Well: TU)c/p	VC		Starting Water Level (ft. BGL):					
Screened	interval (ft. I	BGL):				Total Depth (f	t. BOE): BMP				
Filter Pac	k Interval (ft.	BGL):			Casing Diameter (In ID):						
						Casing Volum	ie (gal.):	2.4			
QUALIT	Y ASSUR	ANCE									
МЕТНО	DS (describe	e):		° 11	ß						
Cleanin	g Equipment	: Mur	la	wpr	merit						
Purging	: Watte	NG		Surg	e Equipment:	Dame					
					allon d	lun					
INSTRU	MENTS (Indicate m	ake, n	nodel, I	.d.)	and a factor of the					
Water I	evel: K	ich	_		Thermometer	4515	56				
pH Met	er: <u>451</u>	SSL			Field Calibrati	on: <u>-1-4</u>					
Conduc	tivity Meter:	<u>451 55</u>	6		Field Calibrati	on: <u>1413</u>					
Other:											
DEVE			URE			Annor	arance				
Time	Cum, Vol.	ow Purge Rate	Temp.	Water C	Spec. Cond.	Color	Turbidity &	Remarks			
10.21		(gal. / Lpm)	(°C) 18,1	7,23	(µmhos/cm) 579	dk, brown	Sediment				
1026	eccury	hard pulp		110		MAN UR DEM	inner				
a	1										
			_								
								<u>.</u>			
	scharge (gal										
Observa	ations/Comm	ents:			ľ	Dactor Be	hling & Whee	er IIC			
C					Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004						
					-						
					Round Rock, Texas 78664 Phone: (512) 671-3434 Fax: (512) 671-3446						

Exide APAR Page 720 of 2984

W	ELL	DEVEL	.OPMEI					PAGE	of				
	ect Nu				0420	EXIDE	FRIS	0	Date: 1/10/12				
Wel	I Locat	ion (well ID,	etc.): M	W-1	9		Starting Wate	r Level (ft. BM	P): 14.67				
		by: JTB					Casing Stickup (ft.):						
Mea	asuring	Point (MP)	of Well: TO	CP	VC		Starting Water Level (ft. BGL):						
1 million 100		interval (ft. E		14		Total Depth (ft. BOSS): BMP 25,20							
Filte	er Pack	Interval (ft.	BGL):				Casing Diame	eter (In ID):	22				
							Casing Volum	ne (gal.):	1.6				
QU	JALIT	Y ASSUR	ANCE										
M	ETHOD	DS (describe	e):			~	J						
	Cleaning Equipment: <u>New equipment</u> Purging: <u>Watterna</u> Surge Equipment: <u>Dame</u>												
Disposal of Discharged Water: 55-gallon dum													
IN	INSTRUMENTS (Indicate make, model, I.d.)												
N	Water Level: Klich Thermometer: 151 556												
pH Meter: <u>YS1 556</u> Field Calibration: <u>7-4</u> Conductivity Meter: <u>YS1556</u> Field Calibration: <u>1Y13</u>													
													Other:
D	EVEL		IT MEAS	UREN			- Anno-	arance					
T	Fime	FI Curg. Vol. ((gal.)/ L)	ow Purge Rate (gal)/ L pm)	Temp. (°C)	Water C pH	Spec. Cond.	Color	Turbidity & Sediment	Remarks				
00	122	-	hand DUITP	20.9	4.72	3370	Intan	cloudy					
	926	Ý		20.8	6.76	3360	Intan	Jandy					
	32	(0.		20:7	6.78	3020	Hitan	set. clar	dy				
	35	7 (DR4)		20.8	6:79	306D	Hitan	plt. chan	J.				
lic	147	8.5(duy)		20.8	6.76	3070	Hitan	olt. clo	dh				
	-	jr							0				
-													
-													
T	otal Dis	charge (gall	ons):		1								
		tions/Comm											
P	JSCIVA						Pastor, B	ehling & Whe	eler, LLC				
							-	le Creek Dr.,					
							Round	Rock, Texas	78664				
						Pho	one: (512) 671	-3434 Fax	:: (512) 671-3446				

Exide APAR Page 721 of 2984

	WELL	DEVE	LOPME	NT RE	CO	RD		PAGE	of
	Project Nu	umber: 17	32	Project Na	ame:	EXIDE-	FRISCO		ate: 1-16-12
			, etc.): ML				Starting Wate	er Level (ft. BMF): 24,02
	Develope	d by: JTE	>				Casing Sticku	up (ft.):	
	Measuring	g Point (MP)	of Well: TD	C PVG	C			er Level (ft. BGL	
	Screened	Interval (ft.	BGL):						25.20
	Filter Pac	k Interval (ft	. BGL):				Casing Diam	eter (In ID):	2.0
							Casing Volun	ne (gal.):	0,2
	QUALIT	Y ASSUF	RANCE						
		DS (describ				1			
			t <u>: M</u> l						
		and the second se			ge Equipment:				
						allon d	here		
			Indicate m				Valor	<u> </u>	
			-			Thermometer		56	
						Field Calibrati			
		stivity Meter:	121 3			Field Calibrati	on: 1915		
	Other:		NT MEAS		ENT	\$			
		F	low		Water C	uality	Appea	arance	Demode
	Time	Curra, Vol. (gal)/L)	Purge Rate (gal. / L pm)	Temp. (°C)	pН	Spec. Cond.	Color	Turbidity & Sediment	Remarks
11-	0954		hand pump	20.1	.98	439D	tan	chandy	
1657-24.71		0.0						0	
		vel	uent C	my					
1-17-12				0					
- 240-									
24,43									
24143									
	Total Dis	i charge (gall	l	<u> </u>					
		tions/Comm							
							Pastor, Be	ehling & Wheel	er, LLC
						2201 Double Creek Dr., Suite 4004			
						1	Round	Rock, Texas 78	8664
						Pho	ne: (512) 671	-3434 Fax: ((512) 671-3446

WELL	DEVE	OPM	ENT R	ECOF	RD		PAGE	= _ of _ _
Project Nu	mber: 175	55	Project	Name: [EXIDE-FI	risco		Date: 4-5-13
	ion (well ID,					Starting Wate	er Level (ft. BN	1P): 11.52
	by: JTB						ip (ft.):AT	
	Point (MP)		TOCIPU	IC		Starting Wate	er Level (ft. BG	sl): <u>11,52</u>
	Interval (ft. I					Total Depth (1	ft. BGL): <u>3</u>	2,27 - SOFT
Filter Pack	Interval (ft.	BGL):				Casing Diame	eter (In ID):	2.0
						Casing Volun	ne (gal.):	3
QUALIT	Y ASSUR	ANCE						
METHO	DS (describe	e):			1	,		
Cleaning	Equipmen	: ne	ur equ	upne	ent uped	(
Purging	Watter	ia pu	NP .	Surg	ge Equipment:	Dame		
					lon du	n		
INSTRU	MENTS (Indicate	make, m	noděl, l	.d.)			
	evel: <u>Ke</u>				Thermometer	4515	56	
	er. YSIC				Field Calibrati	on: <u>7-4</u>		
Conduc	tivity Meter:	NSI S	554		Field Calibrati	on: 1413		
Other:	MRB							
DEVE	OPMEN		SURE			1	010000	I
Time	F Cum. Vol. ((ga) / L)	Purge Rat		Water C	Spec. Cond. (µmhos/cm)	Color	arance Turbidity & Sediment	Remarks
1227	5	hand by	mb 21.7	6.59	2620	browni	SANOY	
1236	10		121.9		2630	browne	SANDY	
1247	15		21.9	6.63	2620	11.brn	SALIOY	
1303	25		21.8		2690	It.brn	461	
1319	35		22.3	6.64	2710	11.brn	136	
1334	45		22.2	6.60	2720	neutral	31	
1347	55	1 2	22.4	6.64	2720	neutral	24	
Total Dis	scharge (gal	lons):	55					
	tions/Comm							
					_		ehling & Whe	
4							le Creek Dr.,	
					-		Rock, Texas	
					Phe	o ne: (512) 67 *	1-3434 Fax	x: (512) 671-3446

WELL	DEVE	LOPME	NT R	ECO	RD		PAG	Eof		
Project Nu	umber: (14	5	Project	Name:	EXUDE -	FRISCO	R	Date: 5-10-13		
		, etc.): Mu	. 0)		Starting Wate	er Level (ft. BM	1P): 10,46		
	d by: JTB					Casing Stick	up (ft.);A	TGRADE		
Measuring	g Point (MP) of Well: 10	clpy	2	Starting Water Level (ft. BGL):					
	l Interval (ft.				Total Depth (ft. BGL): 23,45					
Filter Pac	k Interval (fl	. BGL):				Casing Diam	eter (In ID):	2.0		
							ne (gal.):			
QUALII	ry assur	RANCE								
	DS (describ		-	1	L					
Cleanin	g Equipmer	t MUIT	equ	April	1					
	Watter		1	·	ge Equipment:	Dane				
		ged Water:								
	./	Indicate m	ake, n	nødel,	l.d.)	11/1 00	0 01 10			
	evel:		r		Thermometer		0 1005			
pH Met	er: <u>451</u>	PRD PLU)		Field Calibrati	on: 1-4				
Conduc	ctivity Meter:	YSI PRI	o pu)>	Field Calibrati	on: 1413				
Other:										
DEVE		NT MEAS	URE	Vater C		Арре	arance			
Time	Cura. Vol. (ga) / L)	Purge Rate	Temp.	рн	Spec. Cond. (µmhos/cm)	Color	Turbidity & Sediment	Remarks		
0947	5	(gal/Lpm)	(°C) 26 1	4.56	(µ/////05/cm/)	tan	nilker			
0956	10	N N	2017	6.64	1190	tan	clinda			
1064	13		20.6	4,61	1190	tan	cloudy			
1047	0030		20,7	6111	12317	Hitan	clord			
1104	40	4		4.69		ifitan	sel. da	ulas.		
that								Ŷ		
Tatal Dica	horae (aslk	ne): Ur	5		L			1		
1000 TA	charge (gallo ons/Comme		/			-				
Observati						Pastor, Be	ehling & Whe	eler, LLC		
					2201 Double Creek Dr., Suite 4004					
					1		Rock, Texas			
					Pho	ne: (512) 671	-3434 Fax	:: (512) 671-3446		

WELL	DEVEL	OPMENT	REC	CORL)		P/	AGEof
Project Nu	umber: /	856	Project	Name:	Exide FI	cc Lavopar	Date: 3/4	5/13
Well Loca	tion (well ID	, etc.): Pmw	- DOK			Starting Wate		
Develope	d by: Ki	avin Dwoe	668			Casing Stickup		3.12
Measurin	g Point (MP		= /PY	6)		Starting Wate	r Level (ft. BG	L): 16.93
Screened	Interval (ft.		0''-		_	Total Depth (fi		.25
Filter Pac	k Interval (f		2'- à			Casing Diame		Z
						Casing Volum		312 年 場.
QUALI	TY ASSU	RANCE	(ilais)				and the second	
METHO	DS (describe	»):						
Cleaning	Equipment:	Dedicated Equip	oment ·	Di	WATER	1. Liquid -	Nov	
Purging:	TOUPEDO	TYPE F	ump		Surge Equipme	11		
Disposal		Water: 55 Gallo				100.1		
INSTRUM	NENTS (ind	icate make, mo	del, I.D	.)				
	· Level: Kec		,	<i>,</i>				
pH M	eter: Horibe	a U-52			Field Calibrat	tion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
		r: Horiba U-52						4 Horiba Calibration Solution
	nometer: Ho							
	dimeter: Ho				Field Calibrat	tion: Auto Calik	pration - 100	4 Horiba Calibration Solution
	Aeter: Horil							4 Horiba Calibration Solution
	leter: Horib							
		THE REAL PROPERTY.				non: Auto Calle	pration - 100-	4 Horiba Calibration Solution
DEVELO		MEASUREN	IENTS				1. se 1. s	
Time	Flow Cum. Vol. Purge Rate (gal		Temp.	Water (Quality Spec. Cond.	Appea	of a state of the local data and	Page 1
	(gal / L)	/ L pm)	(oC)	рН	(mmhos/cm)	Color	Turbidity & Sediment	Remarks
Bai		1.22	-			TAN		Pump ON
826	6	0.0	19.32	6.71	1240	NEUTRAL	229	surged well
B31	12		19.45	6.77	1280	NETATRAL	114	surged well
836	18		19.52	6.82	1290	NEUTRAC	74	OKP: 176 MY DO: 1.52
841	24		19.49		1290	NEUTRAL	32	Gunged well Do: 1.4400
846	30		19.49	2	1290	NEUTRAL	90.2	OKP: 173 av DO: 1.36 m
851	37		19.54		1290	NEUTHAL	20.4	OKP: 172 mV DO: 1.32 mg/
056 896				6.85	1290	NEWTRAL	89.4 89.4	Surged well
901 90	49		19.52		1290	NENTRAL		
906	55	7	19.56			NEUTRAL	20.6	OPI MANY NO: 1.20mg/L
10.0			1.30	1.35	1290	NEUIKA	19.5	ORP: 173mV
								DD: 1.20 mg/L
								TDS: 0.829 9/L
	1							
							-	
	harge (galla		5		P	ASTOR, BE		NHEELER, LLC
)bservati	ons/Comme	nts:					620 E. Airlin	
							ctoria, Texas	
							573-6442 Fax	

WEL	L DEVEL	OPMENT	REC	ORI)		P/	AGE 6f	
Project N	lumber: 18	56	Project	Name:	EXTOR FRO	LAWNFELL	Date: 3/5	/13	
Well Loc	ation (well ID	, etc.): LMU	16-01				r Level (ft. BM		
Develop	ed by: K	evin Dwor	25KY			Casing Sticku			
Measuri	ng Point (MP)	of Well: TO	C / PYC			Starting Wate	r Level (ft. BGI	1): 17.12	
Screene	d Interval (ft.		0-2			Total Depth (f		28.06	
Filter Pa	ck Interval (f	. BGL): 8.	o' - a	5. D'		Casing Diame	ter (In ID):	2"	
						Casing Volum	e (gal.): .	243	
QUAL	ITY ASSU	RANCE					11 12 1		
METHO	DS (describe):							
Cleanin	Contest	Dedicated Equip	oment ~	O;	Waron	. Liquid.	NOK		
Purging			ump		Surge Equipme	<u>* Ligaid</u> :nt: Pump	2		
Disposa	l of Discharged	Water: 55 Gallo	n Drums			1			
	-	icate make, mo	del, I.D.)					
	er Level: Kec								
	Aeter: Horibo							4 Horiba Calibration Solution	
		r: Horiba U-52			Field Calibrat	ion: Auto Cali	bration - 100-4	4 Horiba Calibration Solution	
	mometer: Ho								
Turb	idimeter: Ho	riba U-52						4 Horiba Calibration Solution	
	Meter: Horik							4 Horiba Calibration Solution	
DO	Meter: Horib	a U-52			Field Calibrat	ion: Auto Cali	bration - 100-4	4 Horiba Calibration Solution	
DEVEL	OPMENT	MEASUREM	ENTS						
Time		low		Water		Арре	arance	_	
Time	Cum. Vol. (gal//L)	Purge Rate (gal, / L pm)	Temp. (oC)	рHi	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks	
941	-	1.375	~	-	~	TAN		PHIMP DI	
946	\$07		19.50		1580	TAN	1000+	Singed Well	
951	14 14 15 21		19.34	6.71	1590	TAN	10007	surged well	
956	छिरा		19.51	6.69	1590	TAN	1000+	surged well	
1001	22 28		19.59	6.67	1590	NEUTRAL	706	surged well	
1006	38 34		19.55	6.67	1590	NELORAL	215	surged well	
10/1	3 41		19.60	6.67	1590	NEUTRAL	72.9	· · · · · · · · · · · · · · · · · · ·	
1016	48		19.62	6.66	1590	NENTRAL	42.3	Singed well	
1021	455	*	19.62	6.68	1590	NEUTRAL	101	ORP: 186 mV	
								No: 2.08 mg/L	
								TDS: 1.02 g/L	
ļ									
	charge (gallo				P	ASTOR, BE		WHEELER, LLC	
Observations/Comments:					620 E. Airline				
					Victoria, Texas 77901				
	2/121210					Phone: (361) 573-6442 Fax:	: (361) 573-6449	

WEL	L DEVEL	OPMENT	REC	ORD)		PA	\GEof		
Project N	lumber: 18	56	Project	Name:	EXTDE FR	(LANDERC	Date: 3	15/13		
Well Loc	ation (well ID	, etc.): LMI	0-22				r Level (ft. BMI			
Develop	ed by:	KEVIN DWORD	SKY			Casing Sticku	0			
	ng Point (MP)		: / PV	'C			r Level (ft. BGL	.): 14.16		
	d Interval (ft.		- 19	1.5		Total Depth (f		3.12		
	ck Interval (fi		5'- 7		Casing Diameter (In ID): Z					
						Casing Volum		. 890		
11/ Constanting of the Article of the	ITY ASSU		Not all	1.1						
метно	DS (describe): Dedicated Equip Typhoon		L.	ţ,					
Cleanin	g Equipment:	Dedicated Equip	ment -	• <i>P</i> :	WATER ?	Lignid-n	and the second s			
Purging	Mini	Typhoon 1	amp		Surge Equipme	ent: Pamp				
Disposa	l of Discharged	Water: 55 Gallo	n Drums		_					
11	MENTS (ind. er Level: Kec	icate make, mo k	del, I.D	.)						
pH N	Aeter: Horibo	a U-52			Field Calibrat	ion: Auto Calil	pration - 100-4	Horiba Calibration Solution		
Cond	luctivity Mete	r: Horiba U-52			Field Calibrat	ion: Auto Calil	pration - 100-4	Horiba Calibration Solution		
Ther	mometer: Ho	oriba U-52								
Turb	idimeter: Ho	riba U-52			Field Calibrat	ion: Auto Calil	pration - 100-4	Horiba Calibration Solution		
ORP	Meter: Horit	oa U-52			Field Calibrat	ion: Auto Calil	pration - 100-4	Horiba Calibration Solution		
DO	Meter: Horib	a U-52			Field Calibrat	ion: Auto Calil	pration - 100-4	Horiba Calibration Solution		
DEVEL	OPMENT	MEASUREM	ENTS	1000		1993 Ale				
Time		Flow	-	Water (Appe	arance			
Time	Cum. Vol.	Purge Rate (gal? gl pm)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks		
1114		0.25	1	-		TAN		Pamp On		
1119	l		16.55	7.1	946	TAN	874	well sunging by		
1124	Z		15.41	7.10	940	TAN	461	pump turning on		
1129	3		15.33	7.09	928	NEUTRAL	275	and off.		
1134	5	+	15.05	7.08	919	NENTRAL	186	Pump Off		
								8 W.		
1144	-	0.1	-	-		Neuran		Pamp On		
1149	5		13.59	7.21	927	Moumai	185			
1154	6		13.56	7.15	931	NEUTRAL	171			
1159	6		13.36	7.13	931	NEUTRAL	143			
1204	7	+	1310	7.13	924	NEWTRA	127	DRP: 222 my		
								DO: 6.32 mg/L		
								TDS: 0.591 G/L		
				1						
lotal Dis	charge (galla	ins):			Р	ASTOR. BE	HLING. & V	WHEELER, LLC		
Observat	tions/Comme	nts			620 E. Airline					
0	A Amater	turned on	and	AL.	Victoria, Texas 77901					
Fun	N	turned on runnely dry				•••	ocorray rondo i			

WEL	L DEVEL	OPMENT	REC	ORI)		PA	AGEof		
Project N	lumber: 189	56	Project	Name:	Exide FRC	LANDFILL	Date: 3/4	/15		
Well Loc	ation (well ID		w-a	STORE		the second se	er Level (ft. BMI			
Develop	ed by: K	arin Dwor				Casing Sticku		3.40		
Measuri	ng Point (MP)		C/PY	ſ			er Level (ft. BGL			
	d Interval (ft.	BGL): 5.0	1-10	15'		Total Depth (5.1Z		
	ck Interval (f	BGL): 2,5	<u>- 1</u> 2	0.0'			eter (In ID): Z			
						Casing Volum				
QUAL	ITY ASSUI	RANCE								
	DS (describe): Dedicated Equip								
					C					
Purging Disposa	1.001	<u>- Түркоеп</u> I Water: 55 Gallo		5	Surge Equipme	ent: fump				
INSTRU	MENTS (ind	icate make, mo	del, I.D).)						
	er Level: Kec			7						
рН М	Aeter: Horiba	u U-52			Field Calibrat	ion: Auto Cali	bration - 100-4	Horiba Calibration Solution		
Cond	luctivity Mete	r: Horiba U-52						Horiba Calibration Solution		
Ther	mometer: Ho	oriba U-52								
Turb	idimeter: Ho	riba U-52			Field Calibrat	ion: Auto Cali	bration - 100-4	Horiba Calibration Solution		
ORP	Meter: Horik	og U-52						Horiba Calibration Solution		
	Meter: Horib		-					Horiba Calibration Solution		
50001191	To-Ula centre	MEASUREN	ENTS							
1		low		Water	Quality	Appe	arance			
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks		
803		0.1				TAN	-	Pamp On		
813	l	+	9.55	6.92	925	TAN	1000+	Well Der		
								ORP: DIY MV		
								DO: 8.98 mg/L		
								TUS: 0.595 g/L		
								J.		
								· · · · · · · · · · · · · · · · · · ·		
fotal Dis	charge (gallo	ns):	1		P	ASTOR, BE	HLING, & V	VHEELER, LLC		
	ions/Comme				620 E. Airline					
Wel	Well pumped dry. Ogallons removed over 2 days					Victoria, Texas 77901				
	8 gAllons	removed i	over Z	dats	Phone: (361) 573-6442 Fax: (361) 573-6449					

WELI	L DEVEL	OPMENT	REC	ORE)		P/	AGEof		
Project N	lumber: 18	56	Project	Name:	Exide FR	(LANOFIL	Date: 3/4	5/13		
Well Loc	ation (well ID	, etc.): Mu	1. 28	1		Starting Wate	r Level (ft. BM	P): 14.96		
Develop	ed by: K _E	win Dwores	127			Casing Stickup	o (ft.): 3	.31		
Measuri	ng Point (MP)			'C		Starting Wate	r Level (ft. BG	L): 11,65		
Screeneo	d Interval (ft.	BGL): 7.3	-21.	§ '	5.0 - 19.5'	Total Depth (f				
Filter Pa	ck Interval (f	. BGL): 4:04	- 22.1		2.5 - 20.0 Casing Diameter (In ID): 2					
						Casing Volum	e (gal.):).	354		
QUAL	ITY ASSU	RANCE	34. S. P.							
метно	DS (describe):				<pre></pre>				
Cleaning	g Equipment:	Dedicated Equip	ment -	- DI	WATER	". Liquidnos	(
Purging	Mini - T	yphoon Pi	mp		Surge Equipme	nt: Sani				
Disposa	l of Discharged	Water: 55 Gallo	n Drums							
INSTRU	MENTS (ind	icate make, mo	del, I.D.	.)						
Wate	er Level: Kec	k								
pH N	Aeter: Horibo	u U-52			Field Calibrat	ion: Auto Calil	pration - 100-	4 Horiba Calibration Solution		
Cond	luctivity Mete	r: Horiba U-52			Field Calibrat	ion: Auto Calil	pration - 100-	4 Horiba Calibration Solution		
Ther	mometer: Ho	oriba U-52								
Turbi	idimeter: Ho	riba U-52			Field Calibrat	ion: Auto Calik	pration - 100-4	4 Horiba Calibration Solution		
ORP	Meter: Horit	oa U-52			Field Calibrat	ion: Auto Calil	pration - 100-4	4 Horiba Calibration Solution		
DO	Meter: Horib	a U-52						4 Horiba Calibration Solution		
DEVEL	OPMENT	MEASUREN	ENTS							
		low		Water (Арреа				
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks		
1431		0.25	-	-	-	TAN		Pamp On		
1436	1	+	18.84	7.07	980	NEUTRAL	59.2	Purp off		
1441	-	0.20		-		TAN		Pump Dr. Surged Wel		
1446	2	+	18.13	7.10	951	TAN	558	Pump off		
1456	-	0.15	-	-		TAN]	Pump On Surged We		
PESto 150	2		14.91	7.14	948	Neuma	276			
1506	3	+	16.62	7.13	946	NOUTHOL	178	Pump off.		
1516				-			-	Pump Dr.		
ISAI								Der		
HELE H										
				_						
		· · · · · · · · · · · · · · · · · · ·								
<u> </u>		ins): 3				ACTOD DE				
	charge (galla				PASTOR, BEHLING, & WHEELER, LLC					
Observations/Comments:				620 E. Airlíne Victoria, Texas 77901						
Well kept running dry										
	gatton	5			Phone: (361) 573-6442 Fax: (361) 573-6449					

WEL	L DEVEL	OPMENT	REC	OR	D		P	AGE
Project N	umber: 13	 ماک	Project	Name:	Exide FRC	LANDFILL	Date: 3	16/13
Well Loo	ation (well IE), etc.): MW-	1. J. M.				er Level (ft. BM	
	ed by: K.					Terrar Land Here and	p (ft.): ~ :	
	ng Point (MP		DC /P	VC			er Level (ft. BG	
	d Interval (ft.		-21.	100	5.0-19.5'	Total Depth (23.42
	ick Interval (f		n ag		2.5' - 20.0'		eter (In ID):	
					Les -	Casing Volum		A
QUAL	ITY ASSU	RANCE			1.1.1.1.1.1.1		13	
	DS (describe	e): Dedicated Equip						
Purging					Correct Frankland	0		
	C PDY PULSING	Mini - Typho Water: 55 Gallo		ump	Surge Equipme	ent: Pump		
	IMENTS (ind er Level: Kec	icate make, mo k	del, I.D).)				
	Neter: Horib				Field Calibra	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
Cond	ductivity Mete	r: Horiba U-52			Field Calibra	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
Ther	mometer: He	oriba U-52						
Turb	idimeter: Ho	oriba U-52			Field Calibra	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
ORP	Meter: Hori	ba U-52			Field Calibra	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
DO	Meter: Horik	a U-52			Field Calibra	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
DEVEL	OPMENT	MEASUREN	ENTS	i de la				
-		Flow		Water	Quality	Арре	arance	
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks
940	-	0.4	-	-		Tau	-	Pary as
950	4		17.14	7.01	946	NEUMAL	83.6	Rump was turning on
								and off during inte
								ORP: 143 NV
							h	DOS 6.81 mg/L
								TDS: 0.607 9/1
								1
						1		
		· · · · · · · · · · · · · · · · · · ·						
Fatal D'	ahayaya (a)	ons); 4			D	ASTOR P	HUNC 21	WHEELER, LLC
	charge (galla tions/Comme				"	AUTOR, DE	620 E. Airlir	656
		- (-) - (-)				Vi	ctoria, Texas	
we	a pompeo			- 2	8			
	1 94/10m	removed	Ove	r Zda	¥s	Phone: (361	1013-0442 Fax	(361) 573-6449

WEL	L DEVEL	OPMEN1	REC	CORL)		P	AGEof
Project N	lumber: /	155	Project	Name:	Exide	FRC PLANT	Date: 3	15/13
Well Loc	ation (well ID), etc.): mw-	25			Starting Wate		
Develop		vin Duores				Casing Stickup		
	ng Point (MP)		,	c		Starting Wate		
	d Interval (ft.		5-1		7.0 - 21.5	Total Depth (f		
	ck Interval (f		,	-22.0		Casing Diame		
						Casing Volum		034
QUAL	ITY ASSU	RANCE				Section State	(3 /	
метно	DS (describe	e):						
Cleanin	g Equipment:	Dedicated Equip	pment	~ 1	II WATER	& Liquid	NUY	
Purging	Mini -	- TYPITOON	Pump		Surge Equipme	4 Liquid		
Disposa	l of Discharged	d Water: 55 Gallo				0.		
INSTRU	MENTS (ind	icate make, mo	del, I.D).)				
Wate	er Level: Kec	k		,				
pH M	Neter: Horibo	a U-52			Field Calibrat	ion: Auto Calil	pration - 100-	4 Horiba Calibration Solution
Cond	luctivity Mete	r: Horiba U-52			Field Calibrat	ion: Auto Calil	pration - 100-	4 Horiba Calibration Solution
Ther	mometer: Ho	oriba U-52						
Turb	idimeter: Ho	oriba U-52			Field Calibrat	ion: Auto Calil	pration - 100-	4 Horiba Calibration Solution
ORP	Meter: Horik	ba U-52						4 Horiba Calibration Solution
DO	Meter: Horib	a U-52						4 Horiba Calibration Solution
DEVEL	OPMENT	MEASUREN	AENTS					
		Flow		Water		Арреа	arance	
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks
1602	~	0.53	~	-	-	TAN	-	Pamp On
1607	3		20.52	5.84	5520	NEUTRAL	19.8	Sunged well
1612	5		20.19	4.91	5640	NEUTRAL	10.5	Well was starting to run
4017	7	+	19.84	5.40	5050	NEWTRAL	5,5	Pump off. Dry
1627		0.2	-	-	-	NEUTRAL		Pump Dr. Surged .
1632	8		19.45	5.82	5210	NEUTRAL	18.0	Well was going dry.
1637	9	+	19.34	5.84	5190	Neumeni	14.4	Pump off. Der
1647		0.1	-	-		NEUTRAL		Rump of ON. Surged W
1652	9		18.48	5.95	5280	NEUTRAL	39.8	
1657	10	4	17.94	5.94		NEWTRAL		Well was going dir ORP: 74 mV
10-21			1.1.1	3.1	5230	NEURAL	21.1	and the second sec
								DO: 2.34 mg/L
								TDS: 3.29 g/L
						ACTOD DE		
	charge (gallo				Р	ASTOR, BE		WHEELER, LLC
Observat 0	tions/Comme	nts:	:016	due		4 <i>2*</i>	620 E. Airlir	
	where of	wining on lumning d		onne			ctoria, Texas	
to	well	inning o	" 7			Phone: (361)	573-6442 Fax	:: (361) 573-6449

WEL	L DEVEL	OPMENT	REC	CORL)		PA	AGEof
Project N	Number: 175	5	Project	Name:	Exide Fill	PLANT	Date: 3/4	113
Well Loo	cation (well ID	, etc.): MA	7-25				er Level (ft. BM	/
Develop		EVIN DWORS	NY			Casing Sticku		2.76
Measuri	ing Point (MP	2.2	x /P	11			er Level (ft. BG	111
	d Interval (ft.		×19.		7.0' - 21.5'	Total Depth (1		5.42
Filter Pa	ack Interval (f		5-20		4.0' - 22.0'		eter (In ID): 📿	
						Casing Volum		
QUAL	ITY ASSU	RANCE						
метно	DDS (describe	e):						
Cleanin	ng Equipment:	Dedicated Equip	oment					
Purging	B: Mini - 7	yphoon Pum	ρ		Surge Equipme	ent: Pamp		
Disposa		Water: 55 Gallo		5		1		
	JMENTS (ind er Level: Kec	icate make, mo k	del, I.D).)				
pH /	Meter: Horibo	u U-52			Field Calibrat	ion: Auto Cali	bration - 100-4	4 Horiba Calibration Solution
		r: Horiba U-52						4 Horiba Calibration Solution
	mometer: He							
	oidimeter: Ho				Field Calibrat	ion: Auto Cali	bration - 100-4	4 Horiba Calibration Solution
	Meter: Hori		-					4 Horiba Calibration Solution
	Meter: Horik						-	4 Horiba Calibration Solution
		MEASUREN	ENTS			Ion. Abio cui	51411011 - 100-	F Horiba Calibration Solution
)		Flow		Water	Quality	Арре	arance	
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	ρН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks
WW	-	1.0		-		TAN	-	Pump On
1019	5	+	19.59	5.25	5510	NENTRAL	20.9	Well dry. Pump Off.
1024					-	NENTRAL	-	Pump On.
1034			18.20	4.95	5230	Neuren	6.2	Pamp On.
1. 11			10,40					Wer dry. Pump off
								Der: 17D mV
								DD: 242 mg/L TDS: 3.29 g/L
								105: 5.29 9/1
	scharge (galla itions/Comme		_		Р		HLING, & V 620 E. Airlin ctoria, Texas 3	
	CALL	0	с п	ا . ب				: (361) 573-6449
	gallons	removed ou	<u>c/ </u>	dais		Filone: (361	1010-0442 Fax	. (301) 573-6449

WEL	L DEVEI	OPMENT	REC	ORI)		P	AGEof
Project N	lumber: /	755	Project	Name:	Exide FA	ec Plant	Date: 3/6	6/10
Well Loc	ation (well II	D, etc.): Mu	1-23			Starting Wate		1
Develop	ed by:	Kevin Dwo	eser			Casing Stickup		
Measuri	ng Point (MP) of Well: TO	C/PV	c		Starting Wate		
Screenee	d Interval (ft	. BGL): 4.5	· - 19.	5'		Total Depth (ff		
Filter Pa	ck Interval (i	ft. BGL): 3.5	'- 19.	.5'		Casing Diame	ter (In ID): c	2
						Casing Volum	e (gal.): /.	367
QUAL	ITY ASSU	RANCE						A state of the state of the state
метно	DS (describ	e):						
Cleanin	g Equipment:	Dedicated Equip	oment	DT	WATER 4	Ligardnove		
Purging	mini-	Typetoon Pa	mp		Surge Equipme	Ligardnov ent: Pamp		
Disposa	l of Discharge	d Water: 55 Gallo	on Brums			1		
INSTRU	MENTS (inc	licate make, mo	del, I.D	.)				
Wate	er Level: Keo	k						
pH N	Aeter: Horib	a U-52			Field Calibrat	ion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
Cond	luctivity Mete	er: Horiba U-52			Field Calibrat	ion: Auto Calik	pration - 100-	4 Horiba Calibration Solution
Ther	mometer: H	oriba U-52						
Turbi	idimeter: Ho	oriba U-52			Field Calibrat	ion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
ORP	Meter: Hori	ba U-52			Field Calibrat	ion: Auto Calik	pration - 100-	4 Horiba Calibration Solution
DO	Meter: Horil	ba U-52			Field Calibrat	ion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
DEVEL	OPMENT	MEASUREN	ENTS					
Time	-	Flow		Water		Appea		_
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	рΗ	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks
1/34	~	1.0	~	-		Tau	-	Pamp Dr. Well Sarged
1139	5	+	20.52	6.21	3520	TAN	1000+	Pamp Dr. Well Sarged Well Dry. Pamp Off
1449		0.2				TAN	in second	Pump Dr. Well Surger
1154	7	+	20,81	6.25	3470	TAN	1000+	Well dry. Pump off.
1204	-	0.2	-	_		TAN		Pump On. Well surger
1209	Ø	1	20.67	6.27	3390	Newman	489	Well turning on ! off.
1214	9		20,39	6.32	3430	NEUMAL	395	Well turning on i off.
1219	10		20.88	6.30	3430	NEUTRAL	204	Well turning on i off.
1224	1211	4	20.92	6.32	3440	NEUMAL	140	Pump OFF Well dry.
								ORP: 20 mV
								DO: 2.20 Mg/L
								TDS 2.20 G/L
								y y i L
						· · · · · · · · · · · · · · · · · · ·		
						· · · · · ·		
íotal Dise	charge (gaile	ons): 11	· · · · ·		Р	ASTOR. BE	HLING. & V	WHEELER, LLC
	ions/Comme				-	,	620 E. Airlin	
	/*					Vic	toria, Texas	77901
						Phone: (361)	573-6442 Fax	:: (361) 573-6449
			_					

WELI	L DEVEL	OPMENT	REC	ORL			P#	AGEof
Project N	lumber: 178	55	Project	Name:	EXIOC FA	RC PHANT	Date: 3/6	0/13
Well Loca	ation (well ID	, etc.): MW	1. C.M. C.			Starting Water		
Develop	ed by: Keu					Casing Stickup		
Measurin	ng Point (MP)	of Well: TOC				Starting Water		100
	d Interval (ft.		- 13.0			Total Depth (ft		5.33
Filter Pa	ck Interval (ft		- 15.0			Casing Diamet		
						Casing Volume		
QUAL	ITY ASSUR	RANCE				Sector 1		
метно	DS (describe):				ſ		
Cleaning	g Equipment:	Dedicated Equip	ment -	- D3	E WATER	1 Liquid	NOX	
Purging	: Mini - Ti	rphan Pum	1)		Surge Equipme	1 Liquid, int: Pump		
Disposa	I of Discharged	Water: 55 Gallo	n Drums			, m p		
INSTRU	MENTS (indi	icate make, mo	del, I.D	.)				
Wate	er Level: Kecl	< .		, ,				
pH N	Aeter: Horiba	U-52			Field Calibrat	ion: Auto Calib	ration - 100-4	4 Horiba Calibration Solution
Cond	luctivity Meter	r: Horiba U-52						4 Horiba Calibration Solution
	mometer: Ho					-		
Turbi	idimeter: Ho	riba U-52			Field Calibrat	ion: Auto Calib	ration - 100-	4 Horiba Calibration Solution
	Meter: Horib							4 Horiba Calibration Solution
	Meter: Horib						_	4 Horiba Calibration Solution
		the second second second		1857 (A		ion: Auto Calla	ranon - 100-	4 Horiba Calibration Solution
DEVEL		MEASUREN	IENIS	- mini al des				
Time	F Curn. Vol.	low Purge Rate (gal.	Temp.	Water (Spec. Cond		rance Turbidity &	Remarks
	(gal. / L)	/ L pm)	(oC)	рН	(mmhos/cm)	Color	Sediment	incinal K3
1357		1.2	1	1		TAN	المسمى ال	Parms On Surged We
1402	6	+	17.89	6.65	3470	NEWTRAL	81.2	Parmo On Surged We Well dry Parp Oto Pump On Surged Well
1407		0.4	-			TAN		Puna Da Susped 4701
1412	8 مىپر	+	1207	6.56	3460	NEWTHON	20.6	Par Oll 1 Jell day
1417	-	0.2	1000	0.50	3460	NEUTRAL	a 0.10	Pamp Off. Well dry Pamp On. Surged h
1422	9	L	18.02	10 54	3450		122	I map On Jungian
1432		0.2	-	-		NEUTRAL	120	Well dry. Pump Off
	10	0.2	10.00	4.00	20.00	NEUTRAL	11.0	Pump On.
1437	10	*	18.38	6.58	3400	NEUTRAL	16.3	Pump Off. Well dry
1442	-	0.4	-			Noumai		Pump on
1447	12	+	18.06	6.56	3380	NEUTRAL	11.7	Pump Off. Well dry
								Up: at
								No: myte
								THE TO
				1				
otal Disc	charge (aallo	ns): 17			P	ASTOR. BE	HLING. & V	WHEELER. LLC
	charge (gallo tions/Comme				P	ASTOR, BE	HLING, & V 620 E. Airlin	
Observat	tions/Comme		A a	duin	P			le

WELI	L DEVEL	OPMENT	REC	ORL)		P/	AGEof
Project N	lumber: 17	55	Project	Name:	Exide EK	C PLANT	Date: 3/	6/13
Well Loc	ation (well ID	, etc.): MW	-22			Starting Water		
Develop	ed by: K	Evin Dwo	RSKY			Casing Stickup		
Measuri	ng Point (MP)		DC/PW	/(Starting Water	r Level (ft. BG	L): 8.39
Screeneo	d Interval (ft.	BGL): 3.0	' - 13	.0'		Total Depth (ft		
Filter Pa	ck Interval (f		1-15			Casing Diame	ter (In ID): 2	
						Casing Volume	e (gal.): 0.	725
QUAL	ITY ASSU	RANCE				$(d_{i},d_{i}) \in \mathcal{A}$		
	DS (describe				a.			
		Dedicated Equip	oment -	- 01	WATLR	(Liguid No nt: Pump	Χ	
		Privon Pump			Surge Equipme	nt: Phimp		
		Water: 55 Gallo						
	MENTS (ind er Level: Keci	icate make, mo k	del, I.D.	.)				
	Aeter: Horiba				Field Calibrat	ion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
Cond	luctivity Mete	r: Horiba U-52			Field Calibrat	ion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
Ther	mometer: Ho	oriba U-52						
Turbi	idimeter: Ho	riba U-52			Field Calibrat	ion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
ORP	Meter: Horit	oa U-52			Field Calibrat	ion: Auto Calib	oration - 100-	4 Horiba Calibration Solution
DO	Meter: Horib	a U-52			Field Calibrat	ion: Auto Calib	pration - 100-	4 Horiba Calibration Solution
DEVEL	OPMENT	MEASUREM	ENTS					
Flow Water Quality					Dungling	A		
Time			-	Water		Арреа	rance	
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	pH	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks
1526	Cum. Vol. (gal. / L) 	Purge Rate (gal.			Spec. Cond.		Turbidity &	Remarks Pump On. Surged Well
	Cum. Vol.	Purge Rate (gal. / L pm)		рН	Spec. Cond.	Color	Turbidity & Sediment	Pump On. Surged Well
1526	Cum. Vol. (gal. / L) 	Purge Rate (gal. / L pm)	(oC)	рН —- 5.58	Spec. Cond. (mmhos/cm)	Color Tan	Turbidity & Sediment	Pump On Surged Well Well Keeps going dry
1526 1531	Cum. Vol. (gal. / L) — —	Purge Rate (gal. / L pm)	(oC) 	рН —- 5.58	Spec. Cond. (mmhos/cm)	Color TAN NEWRAL	Turbidity & Sediment	Pump On. Surged Well Well Keeps going dry Well dry. Pump CH
1526 1531 1536	Cum. Vol. (gal. / L) 2 3	Purge Rate (gal. /Lpm) O.3	(oC) 	рН — 5.58 5.43	Spec. Cond. (mmhos/cm)	Color TAN NEWTRAC NEWTRAC	Turbidity & Sediment	Pump On Surged Well Well Keeps going dry
1526 1531 1536 1546	Cum. Vol. (gal. / L) - 2 3 	Purge Rate (gal. /Lpm) O.3	(oC) 	рН 5.58 5.43 5.80	Spec. Cond. (mmhos/cm) 3980 U020	Color TAN NEWTRAK NEWTRAK NEWTRAK	Turbidity & Sediment 115 246	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well.
1526 1531 1536 1546 1551	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80	Spec. Cond. (mmhos/cm) 3980 4020 4100	Color TAN NEWTRAK NEWTRA NEWTRA (NEWTRA (Turbidity & Sediment IIS 246 	Pump On. Surged Well Well Keeps going dry Well dry. Pump Ott Pump On. Surged Well. Well Keeps going dr
1526 1531 1536 1546 1551 1556	Cum. Vol. (gal. / L) 2 3 3 3 3 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100	Color TAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN	Turbidity & Sediment IIS 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well Keeps going dr Well dry . Pump off Pump On
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well Keeps going dr Well dry . Pump oft Pump On
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry. Pump Off Pump On Surged Well. Well dry. Pump off Pump On Well dry. Pump off Pump On Well dry. Pump off
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV DO: 5.53 mg/L
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On. Surged Well Well Keeps going dry Well dry. Pump Ott Pump On. Surged Well. Well Keeps going dr Well dry. Pump off Pamp On. Well dry. Pump off Dep: 97 mV
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV DO: 5.53 mg/L
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV DO: 5.53 mg/L
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV DO: 5.53 mg/L
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV DO: 5.53 mg/L
1526 1531 1536 1546 1551 1556 1606	Cum. Vol. (gal. / L) 	Purge Rate (gal. /Lpm) 0.3	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 4020 4100 4130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA (TAN NEWTRA)	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV DO: 5.53 mg/L
1526 1531 1536 1546 1551 1556 1606 1616	Cum. Vol. (gal. / L) 	Purge Rate (gal. /L pm) 0.3 0.1 0.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(oC) 	рН 5.58 5.43 5.80 5.80 5.82	Spec. Cond. (mmhos/cm) 3980 U020 U100 U130 U130	Color TAN NEWTRA NEWTRA NEWTRA NEWTRA NEWTRA NEWTRA NEWTRA NEWTRA NEWTRA NEWTRA NEWTRA	Turbidity & Sediment 115 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV DO: 5.53 mg/L
1526 1531 1536 1546 1551 1556 1606 1616	Cum. Vol. (gal. / L) 	Purge Rate (gal. / L pm) 0.3 0.1 0.1 	(oC) 	рН 5.58 5.93 5.80 5.80 5.82 (0.13	Spec. Cond. (mmhos/cm) 3980 U020 U100 U130 U130	Color TAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN	Turbidity & Sediment 11 5 246 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV Do: 5.53 mg/L TDS: 2.63 g/L WHEELER, LLC Ne
1526 1531 1536 1546 1551 1556 1606 1616	Cum. Vol. (gal. / L) 	Purge Rate (gal. / L pm) 0.3 0.1 / 0.1 / 0.1 /	(oC) 	рН 5.58 5.93 5.80 5.80 5.82 (0.13	Spec. Cond. (mmhos/cm) 3980 U020 U100 U130 U130	Color TAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN NEWTRAN	Turbidity & Sediment 115 246 477 660 	Pump On Surged Well Well Keeps going dry Well dry . Pump Ott Pump On Surged Well. Well dry . Pump off Pump On Well dry . Pump off Dep: 97 mV Do: 5.53 mg/L TDS: 2.63 g/L WHEELER, LLC Ne

	L DEVEL	OPMENT	REC	ORE			P/	AGEof
Project N	lumber: 17	53	Project	Name:	Exide	FRC PLANT	Date: 3/	16/13
Well Loc	ation (well ID	, etc.): MW	-24			1	er Level (ft. BM	
Develop	ed by: Ke	win Dwoe	5KY			Casing Sticku	p (ft.): ~ 3.	55
Measurin	ng Point (MP)		C/PV	C		Starting Wate	er Level (ft. BG	L): 18.90
Screenec	l Interval (ft.	BGL): 14.0	- 29	0.1		Total Depth (f	ft. BGL): 3	32.87
Filter Pa	ck Interval (fi	and the second s	- 29			Casing Diame	eter (In ID): 🔒)
						Casing Volum	ne (gal.): /. (do 7
QUAL	ITY ASSUR	RANCE			$\mathcal{L}_{\mathcal{L}} \to \mathcal{L}_{\mathcal{L}}$			
ΜΕΤΗΟ	DS (describe):						
Cleaning	g Equipment:	Dedicated Equip	oment	- DI	WATER	! Liquida	107	
Purging	: Mini -7	Tepiton Pa	mρ		Surge Equipme	ent: Pump		
		Water: 55 Gallo						
INSTRU	MENTS (indi	icate make, mo	del, I.D	.)				
Wate	er Level: Kec	k						
pH N	Aeter: Horiba	u U-52			Field Calibrat	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
Cond	luctivity Mete	r: Horiba U-52			Field Calibrat	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
Ther	mometer: Ho	oriba U-52						
Turbi	idimeter: Ho	riba U-52			Field Calibrat	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
ORP	Meter: Horik	oa U-52			Field Calibrat	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
DO I	Meter: Horib	a U-52			Field Calibrat	tion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
DEVEL	OPMENT	MEASUREN	ENTS		freshingare			
		low		Water (Арре	arance	
Time	Cum. Vol.	Purge Rate (gal.	Temp.	pН	Spec. Cond.		Turbidity &	Remarks
	(gal. / L)	/Lpm)	(oC)	pri	(mmhos/cm)	Color	Sediment	Refile R3
11038	(gal. / L)	/ L pm)	(oC)	-	(mmhos/cm)			
1638 1643	(gal. / L) 			· · · · ·	(mmhos/cm) ー りつろつ	Color TAN TAN		
1643	<u> </u>		~	- 6.52	4030	TAN TAN	Sediment —	
1643	- - 		~ 20.11 20.15	6.52 6.52	- 4030 3950	TAN	Sediment 	Pump On Well Sunged Well
1643 1643 1653	- - 		20.11 20.11 20.15 20.19	6.52 6.52 6.52	- 4030 3950 3930	TAN TAN TAN TAN	Sediment 	Pump On . Well Sun Sunged Well
1643 1643 1653 1658	- - 		~ 20.11 20.15	6.52 6.52 6.52	- 4030 3950	TAN TAN TAN	Sediment 	Pump On Well Sun Sunged Well Pump Oth
1643 1643 1653 1658 1711	- - 		~ 20.11 20.15 20.19 20.14	- 6.52 6.52 6.52 6.52	- 4030 3950 3930	TAN TAN TAN TAN TAN	Sediment 	Pump On Well Sun Sunged Well Pump Oth
1643 1649 1653 1653 1658 1711 1716	- 4 10 17 23 -		- 20.11 20.15 20.19 20.14 - 70.11	6.52 6.52 6.52	4030 3950 3930 3920	TAN TAN TAN TAN TAN TAN TAN TAN	Sediment 	Pump On . Well Sun Sunged Well
1643 1643 1653 1653 1658 1711 1711 1716	$ \begin{array}{c} - \\ 4 \\ 1^{2} \\ 17 \\ 23 \\ - \\ 28 \\ 34 \\ \end{array} $		20.11 20.15 20.19 20.14 	6.52 6.52 6.52 6.52 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3920	TAN TAN TAN TAN TAN TAN TAN TAN NEMTMAL	Sediment 	Pump On Well Sun Sunged Well Pump Oth
1643 1643 1653 1653 1711 1711 1716 1721 1726	- 4 17 23 - 28 34 40		~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN	Sediment 1000+ 10	Pump On Well Sun Sunged Well Pump Oth Pamp ON. Surged W
1643 1643 1653 1653 1658 1711 1711 1716	$ \begin{array}{c} - \\ 4 \\ 1^{2} \\ 17 \\ 23 \\ - \\ 28 \\ 34 \\ \end{array} $. 	20.11 20.15 20.19 20.14 	6.52 6.52 6.52 6.52 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN TAN NEMTRAL NEMTRAL	Sediment 	Pump On . Well Sun Sunged Well Pump Oth Pamp ON . Surged W Pamp Oth
1643 1643 1653 1653 1711 1711 1716 1721 1726	- 4 17 23 - 28 34 40	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN TAN NEMTRAL NEMTRAL	Sediment 1000+ 10	Pump On Well Sun Sunged Well Pamp Oth Pamp ON. Surged W Pamp Oth DRP: 52 av
1643 1643 1653 1653 1711 1711 1716 1721 1726	- 4 17 23 - 28 34 40	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN TAN NEMTRAL NEMTRAL	Sediment 1000+ 10	Pump On Well Sun Sunged Well Pump Oth Pump ON. Surged W Pump Oth OKP: 52 NV DU: 0.28 mg/L
1643 1643 1653 1653 1711 1711 1716 1721 1726	- 4 17 23 - 28 34 40	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN TAN NEMTRAL NEMTRAL	Sediment 1000+ 10	Pump On Well Sun Sunged Well Pamp Oth Pamp ON. Surged W Pamp Oth DRP: 52 av
1643 1643 1653 1653 1711 1711 1716 1721 1726	- 4 17 23 - 28 34 40	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN TAN NEMTRAL NEMTRAL	Sediment 1000+ 10	Pump On Well Sun Sunged Well Pump Oth Pump ON. Surged W Pump Oth OKP: 52 NV DU: 0.28 mg/L
1643 1643 1653 1653 1711 1711 1716 1721 1726	- 4 17 23 - 28 34 40	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN TAN NEMTRAL NEMTRAL	Sediment 1000+ 10	Pump On Well Sun Sunged Well Pump Oth Pump ON. Surged W Pump Oth OKP: 52 NV DU: 0.28 mg/L
1643 1643 1653 1653 1711 1711 1716 1721 1726	- 4 17 23 - 28 34 40	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55	- 4030 3950 3930 3920 - 3920 3920 3910	TAN TAN TAN TAN TAN TAN TAN TAN TAN NEMTRAL NEMTRAL	Sediment 1000+ 10	Pump On Well Sun Sunged Well Pump Oth Pump ON. Surged W Pump Oth OKP: 52 NV DU: 0.28 mg/L
1643 1648 1653 1658 1711 1716 1721 1726 1737	- 4 1^{2} 17 23 - 28 34 40 49 49	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55		TAN TAN TAN TAN TAN TAN TAN NAN NEUTRAI NEUTRAI	Sediment 	Pump On Well Sun Sunged Well Pump Oth Pump Oth Pump Oth OKP: 52 av DU: 0.28 mg/L TDS: 2.50 g/L
1643 1643 1653 1658 1711 1716 1721 1726 1737		. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55		TAN TAN TAN TAN TAN TAN TAN NAN NEUTRAI NEUTRAI	Sediment 	Pump On. Well Sun Sunged Well Pump Oth Pump Oth Pump Oth OKP: 52 av DU: 0.28 mg/L TDS: 2.50 g/L WHEELER, LLC
1643 1643 1653 1658 1711 1716 1721 1726 1737	- 4 1^{2} 17 23 - 28 34 40 49 49	. 	~ 20.11 20.15 20.19 20.14 ~ 70.11 20.03 20.05	6.52 6.52 6.52 6.52 6.55 6.55 6.55		TAN TAN TAN TAN TAN TAN TAN TAN TAN NENTRAL NEUTRAL NEUTRAL	Sediment 	Pump On Well Sun Sunged Well Pump Oth Pump Oth Pump Oth OKP: 52 AV DU: 0.28 mg/L TDS: 2.50 g/L WHEELER, LLC Ne

WEL	L DEVEL	OPMENT	REC	CORL)		P	AGEof
Project N	Number: 17	55	Project	Name:	Exide F	=RC PLANT	Date: 3/8/	/13
Nell Loc	ation (well ID	, etc.): mW	- 27				er Level (ft. BM	
Develop	ed by: K _E	win Dwoe					p (ft.): ~ 3	
Measuri		of Well: TOO	- /PVC				er Level (ft. BG	
	d Interval (ft.	- Contract State	-15.0	lines of		Total Depth (. 38
Filter Pa	ick Interval (f	. BGL): 4.0'	- 15.0	s'			eter (In ID): 6	2
						Casing Volun		.974
QUAL	ITY ASSU	RANCE						
метно	DDS (describe):						
Cleanin	g Equipment:	Dedicated Equip	oment	<u> </u>	i Water !	Liguidnon ent: Inthe		
Purging	Dapostolit	a bailor /	mini-t	yphoon	Surge Equipme	ent: datte	1 pmmp	
Disposa	I of Discharged	Water: 55 Gallo	n Drum	5			,, ,	
INSTRU	MENTS (ind	icate make, mo	del, I.D).)				
Wate	er Level: Kec	k						#1
pH A	Aeter: Horibo	a U-52			Field Calibrat	ion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
Conc	ductivity Mete	r: Horiba U-52			Field Calibrat	ion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
Ther	mometer: Ho	oriba U-52						
Turb	idimeter: Ho	riba U-52			Field Calibrat	ion: Auto Cali	bration - 100-	4 Horiba Calibration Solution
ORP	Meter: Horik	oa U-52					10 million	4 Horiba Calibration Solution
DO	Meter: Horib	a U-52						4 Horiba Calibration Solution
DEVEL	OPMENT	MEASUREN	ENTS	0.497				
		low		Water	Quality	Appe	arance	The second s
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks
1220		0.6	-	-	-	TAN	-	Surged Wet. Pamp On.
1225	3	t t	19.12	5.56	3440	TAN	1000+	Pamp turned on & off due
								to well running dry.
								Punp off. Well de
1230	-	0.2				TAN		Surged Well. Pump
1235	4	+	19.44	5.53	3420	TAN	1000+	Well dry. Pump Oth.
1240	-	0.1			-	TAN		· · · · · ·
1245	4.5	Ŧ	19.06	5.60	3460	TAN	1000+	
1300	-	0.06				TAN		Well dry. Pump Oth Pump On.
1305	4.8	1.	18.41	5.73	3620	TAN	TUDOH	1
1331		0.05				TAN	10001	
1341	5.3	4	18.04	5.68	3630	TAN	10001	Pump Og.
1357		0.03	10.01	2103		The	10001	Well dry. Pump Off
/4 0 T	51.	0101	11.40	1. 22	3830		Income	Pump On
1101	5.6		10.15	6.02	1030	TAN	1000+	Well dry . Panp Oth
otal Dis	charge (gallo	nch	L		D	ASTOP PE	HUNG 21	WHEELER, LLC
	tions/Comme	·				\neg	620 E. Airlin	-
						Vi	ctoria, Texas	
						Filone: (361	1013-0442 Fax	: (361) 573-6449

.

WEL	L DEVEL	OPMENT	REC	ORE)		PA	AGEof
Project N	lumber: /7	55	Project	Name:	Exide Fr	ec Phanr	Date: 3/a	8/13
Vell Loc	ation (well ID), etc.): MW -	-29			Starting Wate	and the second second second	and an end of the second se
Develop	ed by: K	evin Dwor	sky			Casing Stickup		
Measuri	ng Point (MP)		C/PVC			Starting Wate	r Level (ft. BGI	L): 14,29
Screene	d Interval (ft.		- 14.5			Total Depth (f		
Filter Pa	ck Interval (f		1-14.9			Casing Diame	ter (In ID): 🖁	2
						Casing Volum	e (gal.): O	
QUAL	ITY ASSUI	RANCE			1. 			
	DS (describe							
		Dedicated Equip	oment					
	disposable				Surge Equipme	ent: bailer		
Disposa	l of Discharged	l Water: 55 Gallo	n Drums	i				
	•	icate make, mo	del, I.D	.)				
Wate	er Level: Kec	k						
рН Л	Aeter: Horibo	a U-52						4 Horiba Calibration Solution
Conc	ductivity Mete	r: Horiba U-52			Field Calibra	tion: Auto Calil	bration - 100-4	4 Horiba Calibration Solution
Ther	mometer: He	oriba U-52						
Turb	idimeter: Ho	oriba U-52			Field Calibra	tion: Auto Calil	bration - 100-4	4 Horiba Calibration Solution
ORP	Meter: Horil	ba U-52			Field Calibra	tion: Auto Calil	bration - 100-4	4 Horiba Calibration Solution
DO	Meter: Horib	a U-52			Field Calibra	tion: Auto Calil	bration - 100-4	4 Horiba Calibration Solution
DEVEL	OPMENT	MEASUREM	ENTS					
		Flow		Water		Appe	arance	
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	рН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks
1200	0.1			_				Surged and bailed day
1250	0.1	-	15.85	6.38	6070	TAN	10001	Surged and bailed dry
1445	0.1				5	NEUTRAL		NOT ENOUGH WATEN
						4		to coget mensu
								from.
					· · · · · · · · · · · · · · · · · · ·			
2								
otal Dis	charge (galla	ons):			P	ASTOR, BE		WHEELER, LLC
. otal Dis Observa	charge (galla tions/Comme سرای سران	ents;	Singi	n/	P		620 E. Airlin	ne
otal Dis Observa W	charge (galla tions/Comme קדון שאז קד וב א	ons): ints: initially gin w/ a	Sunge	ed la	P	Vi	620 E. Airlir ctoria, Texas	ne

	/EL	OPMEN1	r REC	COR	D		P	AGE		
1	er: 17	55	Project	Name:	Exide	FRC		3/13		
19.	/ion (well ID	1	N-26	T tarrie.	Chier			Along the second se		
		vin Dworg					er Level (ft. BN			
1	ing Point (MP			· c		Casing Stick				
	d Interval (ft.		C/PV				er Level (ft. BG			
			- 15.			Total Depth (78		
Filter Pc	ack Interval (f	t. BGL): 9.0	'-15.	0.		Casing Diam		2		
				1.2.2		Casing Volum	ne (gal.): C	0.582		
222060000	ITY ASSU				and the second	$=2\pi i e^{-2\pi i \pi i e}$		State of the second		
	DDS (describe	e): Dedicated Equij								
		Dedicated Equip	pment			0.1				
	Bailer				Surge Equipme	ent: Bailer				
		Water: 55 Gallo								
	IMENTS (ind er Level: Kec	icate make, ma k	odel, I.D	.)						
pH /	Meter: Horiba	a U-52			Field Calibrat	ion: Auto Cali	ibration - 100-	4 Horiba Calibration Solution		
Cone	ductivity Mete	r: Horiba U-52						4 Horiba Calibration Solution		
Ther	mometer: Ho	oriba U-52								
Turb	idimeter: Ho	riba U-52			Field Calibrat	ion: Auto Cali	ibration - 100-	4 Horiba Calibration Solution		
ORP	Meter: Horit	a U-52						4 Horiba Calibration Solution		
	Meter: Horib							4 Horiba Calibration Solution		
	appendition of the second	MEASUREN	ENTS	(adie)	Tield Calibra	ion: Acto Cal		4 Horiba Calibration Solution		
1	F	low		Water	Quality	Appearance				
Time	Cum. Vol. (gal. / L)	Purge Rate (gal. / L pm)	Temp. (oC)	ρН	Spec. Cond. (mmhos/cm)	Color	Turbidity & Sediment	Remarks		
1145	2							Songed ! bailed dry		
1315	2.5	-	18.38	6.31	6470	TAN	10004			
1355							10004	Surged S bailed day		
	2.7	-	17.84	6.33	6460	TAN	10004	Songed ! bailed dry Sunged ! bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAN		Surged & bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAN		Sunged & bailed dry bailed dry		
	2,7		17.84	6.33	6460	TAN		Sunged & bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAN		Sunged & bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAN		Sunged S bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAN		Sunged S bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAN		Sunged S bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAU		Sunged S bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAU		Sunged S bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAU		Sunged S bailed dry bailed dry		
	2.7		17.84	6.33	6460	TAU		Sunged S bailed dry bailed dry		
			17.84	6.33	6460	TAU		Sunged S bailed dry bailed dry		
			17.84	6.33	6460	TAU		Sunged S bailed dry bailed dry		
			17.84	6.33	6460	TAU		Sunged S bailed dry bailed dry		
			17.84	6.33				baniled dry		
	charge (gallo		17.84	6.33			10001	VHEELER, LLC		
Observat	charge (gallo	nts:				ASTOR, BE	10001	VHEELER, LLC		
Observat	charge (gallo					ASTOR, BE	10001	VHEELER, LLC		

Exide APAR Page 739 of 2984

Appendix 4

Registration and Institutional Controls

Exide APAR Page 740 of 2984

*** TEXAS COMMISSION ON ENVIRONMENTAL QUALITY *** Notice of Registration Industrial and Hazardous Waste

Page: 1 Date: 06/14/2013

EXIDE FRISCO BATTERY RECYCLING PLANT

30516

Solid Waste Regist Company Na Site Na Site Loca Primary Con Mailing Add	me: GNB TECHNOLOGIES INC me: EXIDE FRISCO BATTERY RECYCL ion: 7471 S 5th St, Frisco, TX fact: HARDY, EDWARD	A Id: TXD006451090 ING PLANT	Coi Land T	 gion: 4 inty: 043 COLLIN ype: Private itile: ENVIRONMENTAL M ress: 7471 5TH ST FRISCO, TX 75034 	Last Last Date NOR	Registration Date: Amendment Date: Computer update: Phone:	04/20/1976 06/13/2013 06/13/2013 214-578-0686
Registration Sta	tus: Active				Reporting Method	• STEERS	
Registration T Registration T Generator T Receiver T Transporter T Transport Wst C	ype: Generator Receiver Transporter ype: Industrial ype: Commercial ype: TRANSPORT OWN WASTE			Hazardous Waste Gene			
This registra Universal Waste Large Quanti Type(s) Mana	tion has the following merged regist Activity: ty Handler of Universal Waste (you accumul		83335				
Business Descrip NAICS C Tax Identificati Handler St	on #: 13631828715		Filed for bankruptcy u	nder Chapter 11 on 4/15/02.			
Operator Informat	on			Owner Information:			
Phone:	GNB TECHNOLOGIES INC 972-335-2121 PO BOX 250 FRISCO, TX 75034-0005			Phone: 972-33 Address: PO B0	ECHNOLOGIES INC 5-2121 DX 250 D, TX 75034-0005		
Billing Contact: Billing Address:	PO BOX 250 FRISCO, TX 75034-0005		Title:		Phone:		
Other Contact: Mailing Address:	Manager, Environmental PO BOX 250 FRISCO, TX 75034-0005		Role:	IHW: Owner Contact	Phone:	972-335-2121	
	HARDY, EDWARD PO BOX 250 FRISCO, TX 75034-0005		Role:	IHW: Steers Contact	Phone:	972-335-2121	
As of 06/13/2013 -	The next unassigned sequence number for The next unassigned sequence number for						

Page: 2 Date: 06/14/2013

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EXIDE FRISCO BATTERY RECYCLING PLANT

**** WASTE INFORMATION ****

Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
***** Ac	tive Wastes **	***					
0001103H	Н	Active (06/13/2013	On-site	No	No	
EI	To F Company's l A Hazardous	Source Cod	e: 103 Spen e: W103 Sp e: 5 Residua e: G08 Remu e: 331423 So b): Acid s: D002	t acid with meta ent concentrated l from on-site tr oval of spent pro econdary Smelti D008	ls l acid eatment, dispo ocess liquids o ng, Refining,	osal or recycling of hazard	ous waste
00043042	2	Active	06/13/2013	On-site	No	No	
	Т	from Generator exas Form Code Origin Code nagement Unit	e: 304 Othe e: 1 Generat s: Landfill	r "dry" ash, slag	or thermal re a product proc	sidue cess or service activity 012 014	
0005304H	Н	Active (06/13/2013	Off-site	No	No	
EI	To I PA Hazardous	exas Form Code EPA Form Code Origin Code Source Code	e: 304 Othe e: W304 Sla e: 1 Generat e: G21 Air p e: 331423 So s: K069	r "dry" ash, slag ags, drosses, and ed on-site from a collution control	or thermal re l other solid th a product prod devices (bagh	nermal residues cess or service activity	ution 7/7/99
0006304H	Н	Active	06/13/2013	On-site	No	No	
E	T T T	Source Code	e: 304 Othe e: W304 Sla e: 1 Generat e: G21 Air p e: 331423 Se	r "dry" ash, slag ags, drosses, and ed on-site from ollution control	or thermal re l other solid th a product prod devices (bagh	nermal residues cess or service activity	

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30516		EX	KIDE FRIS	CO BATTE	RY RECY	CLING PLANT	
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
***** Act	tive Wastes **	****					
0008304H	Н	Active	06/13/2013	Off-site	No	No	
EP	Te F A Hazardous	Source Cod	e: 304 Other e: W304 Sla e: 1 Generate e: G19 Other e: 331423 Se s: D006	"dry" ash, slag gs, drosses, and d on-site from a one-time or int	or thermal re other solid the product pro- ermittent pro-	ermal residues ess or service activity	
0009319H	H Description	Active from Generato	06/13/2013	Off-site	No	No	
	Te F Company's I	exas Form Cod CPA Form Cod Origin Cod Source Cod NAICS Cod Internal Code(s	e: 319 Other e: W319 Other 2 Result of e: G15 Proce e: 331423 Se s): Scrap PVC	waste inorgani ner inorganic so f spill clean-up, ss equipment cl condary Smeltin	c solids lids equipment de nange-out or o ng, Refining,	commissioning or emergency iscontinuation of equipment u and Alloying of Cop	
EP		Waste Number nagement Unit		D006 cous storage cor	D00 ntainers	8 014	
00121162	2	Active	06/13/2013	On-site	No	No	
	Te	from Generato exas Form Cod Origin Cod internal Code(s	e: 116 Leach e: 3 Derived	ate from on-site ma	0	on 7/7/99 a nonhazardous waste	
		nagement Unit	ts: Landfill	er treatment pla	nt	012 009	
00133192	2	Active	06/13/2013	On-site	No	No	
	Te Company's I	exas Form Cod	e: 319 Other le: 1 Generate s): Sodium Su	waste inorgani d on-site from a	c solids	ocess. Excess product (not solo	() sent off site for disposal.
00141132	2	Active	06/13/2013	Off-site	No	No	
	Te	exas Form Cod	e: 113 Other e: 1 Generate	aqueous waste d on-site from a	with high dis a product pro	ium Sulfate. Dreived from Bo solved solids ress or service activity	il outs and purging.

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30516		E	XIDE FRIS	SCO BATTE	RY RECY	CLING PLANT
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete
***** Act	ive Wastes **	****				
00183022	2	Active	06/13/2013	On & Off	No	No
	T Company's	exas Form Co Origin Co Internal Code	de: 302 Soil de: 2 Result (s): MISC SO	contaminated wi	th inorganics equipment de IS	pair and equipment clean only ecommissioning or emen 014
00193022	2	Active	06/13/2013	On & Off	No	No
	T Company's	exas Form Co Origin Co	de: 302 Soil de: 1 Genera (s): SOLAR	s from solar evap contaminated wi ted on-site from a POND SEDIME	th inorganics a product pro	
0020406H	Н	Active	06/13/2013	Off-site	No	No
EP	T Company's A Hazardous	exas Form Co EPA Form Co Origin Co Source Co NAICS Co Internal Code Waste Numbe	de: 406 Emp de: W403 Se de: 3 Derived de: G21 Air de: 331492 S (s): SCRUBE ers: D006	oty fiber or plastic olid resins, plastic d from on-site ma pollution control	c containers cs or polymer inagement of devices (bagl ng, Refining, D00	a nonhazardous waste house dust, etc.) and Alloying of Non
00229992	2	Active	06/13/2013	On & Off	No	No
	T Company's	exas Form Co Origin Co Internal Code	de: 999 Clas de: 1 Genera (s): Packagin	s 2 plant trash ted on-site from a	a product pro	uring receipt of batterie cess or service activity 014
00233021	1	Active	06/13/2013	On & Off	No	No
	T	exas Form Co Origin Co	de: 302 Soil de: 2 Result	and debris gener contaminated wi of spill clean-up, neous storage cor	th inorganics equipment de	

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	E	EXIDE FRIS	SCO BATTE	RY RECY	CLING PLANT	
Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
ive Wastes **	****					
Н	Active	06/13/2013	On & Off	No	No	
Т	exas Form Co EPA Form Co Origin Co Source Co	based on 199 Brin ode: 199 Brin ode: W113 O ode: 1 Generat ode: G07 Prod	solids content ar e solution that co ther aqueous was ted on-site from luct and by-prod	nd chloride lev ould also bear ste or wastewa a product proc uct processing	vels. the form code 113 aters cess or service activity	Ifate derived from boil outs and purging that is routinely needed to maintain operational level in vapor body and determ
Company's				ing, Refining,	and Alloying of Non	
A Hazardous	Waste Numb	ers: D006	D010		015	
2	Active	06/13/2013	Off-site	No	No	
T Company's	exas Form Co Origin Co Internal Code	ode: 390 Non ode: 1 Generation e(s): CONCRE	hazardous concr ted on-site from			
2	Active	06/13/2013	Off-site	No	No	
T Company's	exas Form Co Origin Co Internal Code	ode: 319 Othe ode: 2 Result of e(s): RAW SO	er waste inorgani of spill clean-up,	ic solids		ency removal
2	Active	06/13/2013	Off-site	No	No	
T Company's	exas Form Co Origin Co Internal Code	ode: 302 Soil ode: 1 Generat e(s): SOIL	contaminated w	ith inorganics	only	
Н	Active	06/13/2013	Off-site	No	No	
Т	exas Form Co EPA Form Co Origin Co Source Co NAICS Co	ode: 302 Soil ode: W301 Co ode: 1 Generation ode: G19 Other ode: 331492 S	contaminated w ontaminated Soil ted on-site from er one-time or in	ith inorganics l a product prod termittent prod	only cess or service activity cesses	
	Class ive Wastes ** H Description T Company's : A Hazardous Current Ma Curren	Waste Class Status ive Wastes ****** H Active Description From Genera Texas Form Cc Corigin Cc Origin Cc Company's Internal Code Attive Description from Genera 2 Active Description from Genera Texas Form Cc Origin Cc Company's Internal Code Current Management Ur 2 Active Description from Genera Texas Form Cc Origin Cc Company's Internal Code Current Management Ur 2 Active Description from Genera Texas Form Cc Origin Cc Company's Internal Code Current Management Ur 2 Active Description from Genera Texas Form Cc Origin Cc Company's Internal Code Current Management Ur 2 Active Description from Genera Texas Form Cc Origin Cc	Waste Class Date of Status ive Wastes ****** Pate of Status H Active 06/13/2013 Description from Generator Furge wa based on Creas Form Code: 199 Brin 199 Brin EPA Form Code: EPA Form Code: 199 Brin 199 Brin EPA Form Code: 199 Brin 199 Brin 199 Brin 199 Brin EPA Form Code: Source Code: 31492 S Company's Internal Code(s): PURGE ' Marardous Waste Numbers: 2 Active 06/13/2013 Description from Generator: Concrete Texas Form Code: 390 Non Origin Code: 2 Active 06/13/2013 Description from Generator: Source to 390 Non Origin Code: 1 Genera 100 Non Origin Code: 2 Active 06/13/2013 Description from Generator: Raw sode 190 Othe Origin Code: 2 Result o 2 RAW SO Company's Internal Code(s): 2 Active 06/13/2013 Description from Generator: Soil from Texas Form Code: Soil from 302 Soil Origin Code: 2 Active 06/13/2013 Description from Generator: Soil from Texas Form Code: Soil from 302 Soil Origin Code: H Active 06/13/2013 H	Waste ClassStatusDate of StatusManaged Onsite/ OffsiteWastes ******HActive06/13/2013On & OffDescription from Generator: EPA Form Code:Purge water from the crys based on solids content at 1 Generated on-solit content at 007 Product and by-prod 31492 Secondary Smelti Company's Internal Code(s): PURGE WATER A Hazardous Waste Numbers: Doo60010 O D010 O D010 O Current Management Units:2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site2Active06/13/2013Off-site10Description from Generator: Texas Form Code: SOIL current Management Units:Soil from perement and c SOIL current Management Units:2Active06/13/2013Off-site10Description from Generator: Texas Form Code: SOIL current Management Units:Soil from p	Waste Class Status Date of Status Managed Onsite/ Offsite Radio- active ive Wastes ****** H Active 06/13/2013 On & Off No H Active 06/13/2013 On & Off No Description from Generator: Purge water from the crystallization probased on solids content and chloride let stased on solids content and chloride let (99 Brine solution that could also bear EPA Form Code: 199 Brine solution that could also bear with 30 Offer aqueous waste or wastew: Origin Code: 1 Generated on-site from a product processing (07 Product and by-product processing (07 Product and product processing (07 Product and product processing (07 Product and product processing (07 Product and product) (07 Product and product processing (07 Product and product processing (Class StatusStatusOnsile/ OffsiteactiveCompleteIn Active06/13/2013On & OffNoNoDescription from Generator: Bescription from Generator: Origin Code:Purge water from the crystallization process producing sodium sta based on solids content and chloride levels.Texas Form Code:199 Brine solution that could also bear the form code 113 W113 Other aqueous waste or wastewaters Origin Code: I Generated on-site from a product process or service activity Source Code: GOT Product and by-product process or service activity Source Code: S016 E WATER0152Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013Off-siteNoNo2Active06/13/2013 </td

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30516		E	XIDE FRIS	CO BATTEI	RY RECY	CLING PLANT	
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
***** Act	ive Wastes *	****					
0029304H	Н	Active	06/13/2013	On & Off	No	No	
EP	T Company's A Hazardous	Cexas Form Coc EPA Form Coc Origin Coc Source Coc NAICS Coc Internal Code(Waste Number	le: 304 Othe le: W304 Sla le: 1 Generat le: G21 Air p le: 331492 So s): EMISSIO rs:	ollution control	or thermal res other solid the product proce devices (baghe g, Refining, a US	ermal residues ess or service activity	
0030488H	Н	Active	06/13/2013	On & Off	No	No	
EP	T Company's A Hazardous	Texas Form Coo EPA Form Coo Origin Coo Source Coo	de: 488 Woo de: W002 Co de: 2 Result of de: G49 Othe de: 331492 So s): DEBRIS rs: D008	d debris ontaminated debr of spill clean-up, r remediation econdary Smeltin	is: paper, cloth equipment dec	g facility decon and de hing, rags, wood, emp commissioning or emo and Alloying of Non 017	y fiber or plastic containers, glass, piping, other solids
00313021	1	Active	06/13/2013	On & Off	No	No	
	T Company's	Origin Cod Internal Code(de: 302 Soil de: 7 From a s): INVESTI	contaminated wir corrective action	or closure	only 016	
00323022	2	Active	06/13/2013	On & Off	No	No	
	T Company's	Texas Form Coo Origin Coo Internal Code(de: 302 Soil de: 7 From a s): INVESTI	contaminated wit corrective action GATION SOIL	th inorganics of or closure	5	
	Current M	anagement Uni	ts: Miscellan	eous storage con	tainers	016	

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30516		Ε>		CO BATTE	RY RECY	CLING PLANT							
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete							
***** Ac	tive Wastes ****	**											
00331192	2	Active	06/13/2013	On & Off	No	No							
	Tex: Company's Int	as Form Cod Origin Cod ernal Code(s	e: 119 Othe e: 7 From a): INVESTI	tion derived wate er inorganic liquid corrective action GATION WATE leous storage con	ls or closure ER	side of the recycling facili 016	.ty						
0034304H	Н	Active	06/13/2013	On & Off	Yes	No							
EP		as Form Cod A Form Cod Origin Cod Source Cod NAICS Cod ernal Code(s aste Number	e: 304 Othe e: W304 Sl e: 1 Generat e: G23 Wasi e: 331492 S): TREATE s: D006 s: Containm Landfill Miscellan Surface in Tank Waste pil	er "dry" ash, slag ags, drosses, and ed on-site from a tewater treatment econdary Smeltir D SLAG D008 • storage area ent building aeous storage con npoundment	other solid th product proc (sludge, filt ag, Refining, tainers	nermal residues cess or service activity							
00353901	1	Active	06/13/2013	On & Off	No	No							
	Company's Int	as Form Cod Origin Cod ernal Code(s	e: 390 Nonl e: 2 Result o): DEMO D	hazardous concre of spill clean-up,	equipment de	nstruction debris ecommissioning or emerge 014	ency removal						
0036001H	Н	Active	06/13/2013	Off-site	No	No							
EP	Tex: EP	as Form Cod A Form Cod Origin Cod Source Cod NAICS Cod ernal Code(s aste Number	e: 001 Lab e: W001 La e: 7 From a e: G19 Othe e: 331492 S): LAB PAC s: D001	packs of old cher b packs with no corrective action r one-time or into	nicals only acute hazardo or closure ermittent proo ng, Refining,	cesses and Alloying of Non	F003	F005	P106	U134	U159	U211	U228

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30516		E	XIDE FRIS	CO BATTE	RY RECY	CLING PLANT	
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
***** Act	ive Wastes **	****					
00370031	1	Active	06/13/2013	Off-site	No	No	
	To Company's	exas Form Co	de: 003 Mix de: 7 From a (s): LAB PAG	ed lab packs corrective action		no longer needed due to	facility closure
00382191	1	Active	06/13/2013	Off-site	No	No	
	To Company's I	exas Form Co Origin Co	de: 219 Othe de: 7 From a (s): OFF SPE	products (organic r organic liquids corrective action C PRODUCTS		longer needed due to pla	nt closure
0039701H	Н	Active	06/13/2013	Off-site	No	No	
EP	To I Company's I A Hazardous	exas Form Co EPA Form Co Origin Co Source Co NAICS Co	de: 701 Inor de: W801 Co de: 7 From a de: G19 Othe de: 331492 S (s): HAZ INC rs: D001	compressed gases corrective action er one-time or inte	or closure ermittent pro		
0040801H	Н	Active	06/13/2013	Off-site	No	No	
EP	To I Company's I A Hazardous	exas Form Co EPA Form Co Origin Co Source Co	de: 801 Orga de: W801 Co de: 7 From a de: G19 Othe de: 331492 S (s): HAZ OR rs: D001	anic gases compressed gases corrective action er one-time or inte econdary Smeltin	or closure ermittent pro	zardous) no longer need cesses and Alloying of Non	ed due to plant closure
00417011	1	Active	06/13/2013	Off-site	No	No	
	To Company's	exas Form Co Origin Co	de: 701 Inor de: 7 From a (s): NHAZ IN		or closure	us, inorganic no longer r	eeded due to plant closure.

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30516		EX	IDE FRIS	CO BATTER	RY RECY	CLING PLANT	
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
***** Act	tive Wastes **	****					
00428011	1	Active (06/13/2013	Off-site	No	No	
	Te Company's I	xas Form Code	e: 801 Orga e: 7 From a o : NHAZ OF	nic gases corrective action		lous, organic) no longer	eeded due to plant closure.
0043219H	Н	Active 0	06/13/2013	Off-site	No	No	
EP	Te E Company's I A Hazardous V	xas Form Code PA Form Code Origin Code Source Code NAICS Code	219 Other W219 Other 7 From a d G19 Other 331492 Se FLAMMA D001	r organic liquids her organic liquid corrective action r one-time or inte	l or closure rmittent pro- g, Refining,	ger needed due to plant o cesses and Alloying of Non	osure.
0044119H	Н	Active 0	6/13/2013	Off-site	No	No	
EP	Te E Company's I A Hazardous V	xas Form Code PA Form Code Origin Code Source Code NAICS Code	:: 119 Other :: W119 Other :: 7 From a d :: G19 Other :: 331492 Se :: INORGAN :: D002	r inorganic liquic her inorganic liquic corrective action r one-time or inte	s uid or closure rmittent pro g, Refining,	furic acid) no longer nee cesses and Alloying of Non	led due to plant closure.
00452191	1	Active (06/13/2013	Off-site	No	No	
	Te Company's I	xas Form Code Origin Code	219 Other 7 From a c N HAZ C	dous commodity r organic liquids corrective action OMMODITY P/	or closure	ning lube, gear oil, non h	zardous resins, non hazardous paints.

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30516		EX	IDE FRIS	CO BATTER	Y RECY	CLING PLANT	
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
***** Act	ive Wastes **	****					
0046219H	Н	Active (6/13/2013	Off-site	No	No	
EP	To F Company's I A Hazardous	exas Form Code CPA Form Code Origin Code Source Code NAICS Code	219 Othe W219 Othe 7 From a G19 Othe 331492 S ORG COL 51 D002	r organic liquids her organic liquid corrective action r one-time or inte	or closure rmittent pro g, Refining,		er needed due to plant closure.
0051203H	Н	Active (6/13/2013	Off-site	No	No	
EP	To F Company's I A Hazardous	exas Form Code CPA Form Code Origin Code Source Code	203 Non- 203 W203 Co 201 Prom a 201 Disc 201 Dis	halogenated solve oncentrated non-h corrective action arding off-specific econdary Smeltin	ent alogenated (or closure cation or out	longer needed due to plan (e.g., non-chlorinated) sol t-of-date chemicals or pro and Alloying of Non	ent
0052302H	Н	Active (6/13/2013	Off-site	No	No	
EP	To I Company's I A Hazardous	exas Form Code CPA Form Code Origin Code Source Code NAICS Code	2: 302 Soil 2: W301 Co 2: 7 From a 2: G44 State 2: 331492 S 3: LEAD IM 3: D006	contaminated with ontaminated Soil corrective action of program or volum	n inorganics or closure atary cleanu	only	is from a former shooting range
05033112	2	Active (6/13/2013	Off-site	No	No	
	To Company's l	exas Form Code	e: 311 Asbe e: 1 Generat e: Asbestos	estos solids and de ed on-site from a	bris	able. One time shipment	ode.

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30516		E	EXIDE FRIS	CO BATTE	RY RECY	CLING PLANT		
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete		
***** Act	ive Wastes **	****						
05043192	2	Active	06/13/2013	Off-site	No	No		
	To Company's	exas Form Co Origin Co	e(s): Manganes	waste inorgani ed on-site from a	c solids	ess or service activity 008		
05053192	2	Active	06/13/2013	Off-site	No	No		
	To Company's I	exas Form Co Origin Co	ode: 319 Other ode: 1 Generate e(s): Magnesium	r waste inorgani ed on-site from a	c solids	bbris and tank cleaning sludge. ess or service activity 008		

As of 06/13/2013, The next unassigned sequence number for WASTES is 0507

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30516		EX	IDE FRIS	CO BATTEI	RY RECY	CLING PLANT
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete
** No Long	ger Generated	Wastes **				
0002403H	Н	Inactive 0	6/13/2013	Off-site	No	No
EP	Te: E Company's Ir A Hazardous V	xas Form Code PA Form Code Origin Code Source Code	: 403 Solid : W403 Solid : 1 Generate : G07 Produ : 331423 Se : Rubber Ch : D008	ls resins or polyn lid resins, plastic ed on-site from a uct and by-produ econdary Smeltir	nerized organi es or polymeri product proc let processing	ized organics cess or service activity
0003206H	Н	Inactive 0	6/13/2013	On & Off	No	No
EP	Te: E A Hazardous V	xas Form Code PA Form Code Origin Code Source Code	 206 Wast W206 Wast 5 Residual G16 Oil cl 331423 Se D001 	e oil aste oil l from on-site tre hanges and filter	atment, dispo or battery rep	l used as a reductant in reverbatory furnace instead of coke fines. recycling notification 7/7/99 osal or recycling of hazardous waste placement and Alloying of Cop
00079022	2	Inactive 0	6/13/2013	On & Off	No	No
	Te	xas Form Code	902 Class 1 Generate	s 2 supplemental ed on-site from a	plant product	with lead from Lead Oxide Manufacturing operation. tion refuse cess or service activity 010
0010319H	Н	Inactive 0	6/13/2013	Off-site	No	No
EP	Te: E Company's Ir A Hazardous V	xas Form Code PA Form Code Origin Code Source Code	: 319 Other W319 Other G09 Other 331423 Se strech film D008	r waste inorganic her inorganic sol ed on-site from a r production or s econdary Smeltir	e solids ids product proc ervice-related	ead acid batteries.; A new hazardous waste determination has been performed on this waste. cess or service activity d processes and Alloying of Cop
00119992	2	Inactive 0	6/13/2013	Off-site	No	No
	Te: Company's Ir	xas Form Code	 999 Class 1 Generate Trash, Off 	ed on-site from a		cess or service activity

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30516		E	XIDE FRIS	CO BATTEI	RY RECY	CLING PLANT	
Texas Waste Code	Waste Class	Status	Date of Status	Managed Onsite/ Offsite	Radio- active	TCEQ Audit Complete	
** No Lon	ger Generated	l Wastes **					
00153192	2	Inactive	06/13/2013	Off-site	No	No	
	To Company's	exas Form Co Origin Co	de: 319 Othe de: 1 Generat (s): STRETC	r waste inorganie	e solids a product pro	ckaging of spent lead aci	batteries. Treated on-site with stabilization agents.; A new hazardous waste determination has been performed on this waste
00163042	2	Inactive	06/13/2013	On-site	No	No	
	To Company's	exas Form Co Origin Co	de: 304 Othe de: 1 Generat (s): REFRAC	r "dry" ash, slag	or thermal re	treated prior to disposal. sidue cess or service activity 012 008	tatus isactive 2010
0017113H	Н	Inactive	06/13/2013	Off-site	No	No	
EP	T Company's A Hazardous	exas Form Co EPA Form Co Origin Co Source Co NAICS Co Internal Code	de: 113 Othe de: W113 Othe de: 3 Derived de: G19 Othe de: 331492 S (s): HAZ PUI rrs: D004	er aqueous waste ther aqueous was l from on-site ma er one-time or inte econdary Smeltin	with high dis te or wastew nagement of ermittent pro	solved solids aters a nonhazardous waste cesses and Alloying of Non	zation process.; One time shipment.
00213162	2	Inactive	06/13/2013	On & Off	No	No	
	T Company's	exas Form Co Origin Co	de: 316 Othe de: 1 Generat (s): SOLIDIF	er metal salts/che	micals product pro	izer. Purge needed to ma	ntain operational level in vapor body.; One time shipment.
0501203H	Н	Inactive	06/13/2013	Off-site	No	No	
EP	T I A Hazardous	exas Form Co EPA Form Co Origin Co Source Co NAICS Co	de: 203 Non- de: W203 Co de: 1 Generat de: G09 Othe de: 325188 A prs: D001	-halogenated solv oncentrated non-l ted on-site from a or production or s	vent nalogenated (product pro- ervice-related	nical Manufacturing	

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Texas	Waste		Date of	Managed	Radio-	TCEQ Audit	
Waste	Class	Status	Status	Onsite/	active	Complete	
Code		Status		Offsite			

** No Longer Generated Wastes **

05023072	2	Inactive	06/13/2013	Off-site	No	No	
	Descriptio	n from Genera	ator: Scrap met	al / Debris, fibe	rglass, non-coi	ntact cooling tower dem	. One timeshipment code.; One time shipment.
		Texas Form C	ode: 307 Meta	l scale, filings o	r scrap		
		Origin C	ode: 1 Generate	ed on-site from	a product proc	ess or service activity	
	Company'	s Internal Cod	e(s): Cooling T	ower Demo			
	Current N	<mark>/Ianagement</mark> U	nits: None				
05063902	2	Inactive	06/13/2013	Off-site	No	No	
	Descriptio	n from Genera	ator: Non-hazar codes.	rdous Class 2, C	oncrete and de	ebris from paving and bu	ilding repair and maintence. Tested each time generated. Intermittent events. Ongoing code use, dropping the use of one time
		Texas Form C	ode: 390 Nonh	azardous concr	ete/cement/cor	nstruction debris	
		Origin C	ode: 1 Generate	ed on-site from	a product proc	ess or service activity	
	Company'	s Internal Cod	e(s): CONCRE	TE AND DEBF	RIS		
	Current N	<mark>/Ianagement</mark> U	nits: None				

As of 06/13/2013, The next unassigned sequence number for WASTES is 0507

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30516 EXIDE FRISCO BATTERY RECYCLING PLANT

**** UNITS AT THIS SITE MANAGING WASTE **** Unit Unit Unit Date of **Classes of Waste** Unit Unit # Regulatory **Deed Recording** Number Type Status Status Managed in Unit Permit on Status Needed/Date Onsite / Offsite Number Permit 2H / NA YES / 001 INACTIVE 11/20/1993 NA NA 06 Waste pile **Description from Company:** System Types: 010 Metals recovery including retorting, smelting, chemical, etc. Wastes Currently Managed at Unit: 0034304H Treated blast slag 2H/NA 003 CLOSED 02/01/1974 Landfill NA NA 10 RCRA Permit exempt - Other YES / **Description from Company:** North disposal area, pre RCRA System Types: 132 Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization) 0034304H Treated blast slag Wastes Currently Managed at Unit: 2H/NA 004 Landfill CLOSED NA NA 10 RCRA Permit exempt - Other YES / **Description from Company:** South Disposal Area, pre RCRA System Types: 132 Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization) Wastes Currently Managed at Unit: 0034304H Treated blast slag H/NA ACTIVE YES / 005 Containment building 001 NA 01 RCRA permitted unit Raw material storage building. (capacity 4150 tons) **Description from Company:** System Types: 141 Storage, bulking, and/or transfer off site - no treatment/recovery, fuel blending or disposal at this site. Wastes Currently Managed at Unit: 0034304H Treated blast slag 13 RCRA Pmt Exempt -H/NA 006 Miscellaneous storage containers INACTIVE 11/20/1993 NA YES / NA Accumulation Time **Description from Company:** 3-yard dump hoppers for storage of rubber chips. Unit is inactive. System Types: 010 Metals recovery including retorting, smelting, chemical, etc. Wastes Currently Managed at Unit: 0034304H Treated blast slag 2H / NA 007 Landfill INACTIVE 04/14/1997 YES / NA NA 10 RCRA Permit exempt - Other North Landfill, treated blast slag, inactive 1996, Non-Haz, class II, monof ill **Description from Company:** System Types: 132 Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization) Wastes Currently Managed at Unit: 0034304H Treated blast slag 13 RCRA Pmt Exempt -2 / NA ACTIVE 07/15/1993 YES / 008 Tank NA NA Accumulation Time **Description from Company:** Treatment tank for blast furnace slag located south of breaker building. System Types: 111 Stabilization or chemical fixation prior to disposal at another site Wastes Currently Managed at Unit: 0006304H Blast Furnace Slag 0008304H Refractory brick from 05043192 Spent Manganese Dioxide. 00193022 sediments from solar 05053192 Magnesium Oxide, spent, 0034304H Treated blast slag

Page: 16 Date: 06/14/2013

30516 EXIDE FRISCO BATTERY RECYCLING PLANT Unit Unit Unit Date of **Classes of Waste** Unit Unit # Regulatory **Deed Recording** Number Type Status Status Managed in Unit Permit on Status Needed/Date Onsite / Offsite Number Permit 08 RCRA Permit exempt-waste 2 / NA 009 Waste water treatment plant ACTIVE 11/20/1993 NA NA YES / water treatment unit **Description from Company:** Wastewater / Grey Treatment facility. System Types: 077 Other chemical precipitation with or without pre-treatment Wastes Currently Managed at Unit: 0001103H Spent sulfuric acid from 0034304H Treated blast slag 00121162 Leachate, Landfill, Wastes Previously Managed at Unit: 00213162 solidified purge water from 13 RCRA Pmt Exempt -2H / NA 010 Container storage area INACTIVE 01/24/1996 NA NA YES / Accumulation Time **Description from Company:** Accumulation area for Storage prior to shipment. System Types: 141 Storage, bulking, and/or transfer off site - no treatment/recovery, fuel blending or disposal at this site. Wastes Currently Managed at Unit: 0034304H Treated blast slag H/NA 011 ACTIVE 04/10/1995 002 NA YES / Container storage area 01 RCRA permitted unit **Description from Company:** Battery Receiving / Storage building. Storage of batteries prior to processing. System Types: 141 Storage, bulking, and/or transfer off site - no treatment/recovery, fuel blending or disposal at this site. Wastes Currently Managed at Unit: 0034304H Treated blast slag 2 / NA 012 Landfill ACTIVE 09/01/1996 NA NA 10 RCRA Permit exempt - Other YES / **Description from Company:** Landfill, North Property, 1996 132 Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization) System Types: Wastes Currently Managed at Unit: 0034304H Treated blast slag 00043042 Blast Furnace Slag 00121162 Leachate, Landfill, CLOSED H/NA 013 Surface impoundment 07/26/2002 NA NA 05 Non-Hazardous Regulated YES / **Description from Company:** Stewart creek dredged sediments pile. 4/89 Closed 8/89. Waste code 149620. 132 Landfill or surface impoundment that will be closed as landfill (to include on-site treatment and/or stabilization) System Types: Wastes Currently Managed at Unit: 0034304H Treated blast slag 13 RCRA Pmt Exempt -1 / NA 014 Miscellaneous storage containers ACTIVE 01/30/2009 NA NA YES / Accumulation Time **Description from Company:** roll off container/box System Types: 111 Stabilization or chemical fixation prior to disposal at another site 141 Storage, bulking, and/or transfer off site - no treatment/recovery, fuel blending or disposal at this site. 0009319H Scrap PVC / pipe and parts Wastes Currently Managed at Unit: 0029304H Baghouse emission control 00353901 Demo debris 0006304H Blast Furnace Slag 00043042 Blast Furnace Slag 00183022 Misc soil and debris from 0034304H Treated blast slag 00229992 Shrink wrap and cardboard 0020406H Scrubber packing material, 00233021 Misc soil and debris Wastes Previously Managed at Unit: 0010319H Strech Film From 00213162 solidified purge water from 03 RCRA Permit Exempt<90 Day NA / H12 015 Tank INACTIVE 09/10/2012 NA NA YES / Storage **Description from Company:** Frac tank used to store purge water System Types: 141 Storage, bulking, and/or transfer off site - no treatment/recovery, fuel blending or disposal at this site. Wastes Currently Managed at Unit: 0024199H Purge water from the

Page: 17 Date: 06/14/2013

30516	E	XIDE FRISCO BATTERY RECYC	LING PLAN	IT				
Unit Number	Unit Type	Unit Status	Date of Status	Classes of Waste Managed in Unit Onsite / Offsite	Unit Permit Number	Unit # on Permit	Regulatory Status	Deed Recording Needed/Date
016	Miscellaneous storage contai	ners ACTIVE		12 / NA	NA	NA	03 RCRA Permit Exempt<90 Day Storage	YES /
	Description from Company: System Types: Currently Managed at Unit:	Drums containing solid materials 010 Metals recovery including retorting, sn 00323022 Investigation derived soils	0.	, etc. ghouse emission control	00313021 Investig	ation derived s	oil 00331192 Investigation derived wate	er
017	Waste pile	ACTIVE		H / NA	NA	NA	03 RCRA Permit Exempt<90 Day Storage	YES /
	Description from Company: System Types: Currently Managed at Unit:	Lined and covered stockpile in boneyard 141 Storage, bulking, and/or transfer off sit 0030488H Wood and metal debris		recovery, fuel blending or di eated blast slag	sposal at this site.			

As of 06/13/2013, The next unassigned sequence number for UNITS is 018

Exide APAR Page 757 of 2984

Appendix 5

Water Well Records

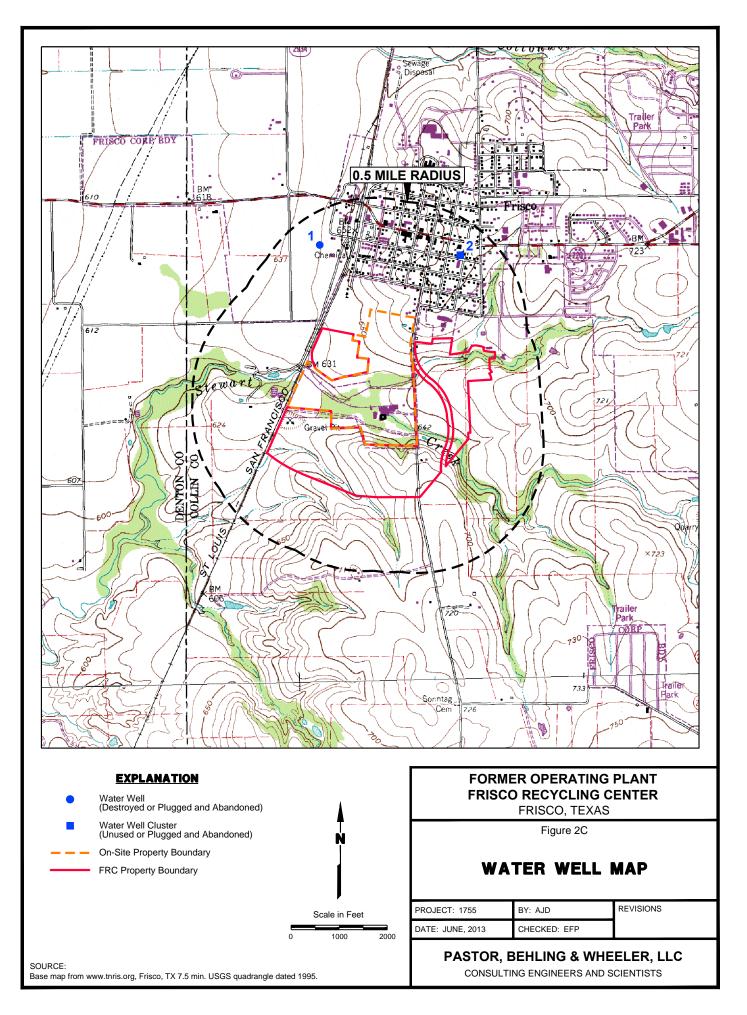


Table 2A Water Well Summary

Well ID on Figure 2C	Source Well ID	Owner of Record	Approximate Distance from Site (miles)	Screened Interval (feet bgs)	Casing Interval (feet bgs)	Cemented Interval (feet bgs)	Surface Completion Type	Total Depth (feet bgs)	Completion Date	Producing Formation		Current Status	Data Source
1	18-50-8C	Frisco Concrete	0.25	600-620	0-600			620	2/14/1980	Woodbine	NA	Destroyed	TWDB, field survey, and interviews
2	18-50-802	City of Frisco	0.25	1440-1632	0-1440			1632	1/1/1940	Paluxy	Unused	inactive (possibly plugged and abandoned) ¹	TWDB, interview with City employee
2	18-50-803	City of Frisco	0.25	1440-2796	0-1440	0-1440		2796	3/22/1950	Paluxy and Twin Mountains	Unused	inactive (possibly plugged and abandoned) ¹	TWDB, interview with City employee
2	18-50-804	City of Frisco	0.25					1680	1/1/1924	Paluxy	Unused	Plugged and abandoned	TWDB, interview with City employee
2	G0430005A	City of Frisco	0.25					2796	3/22/1950	Paluxy and/or Twin Mountains	Unused	inactive (possibly plugged and abandoned) ¹	TCEQ, interview with City employee

Notes:

1. ¹- Donny Mayfield, City of Frisco employee, indicated that two of the four City of Frisco-owned wells have been plugged and abandoned and that the remaining two wells are capped and unused (see Section 2.4 for additional details

2. "--" - information not available.

3. NA - not applicable.

4. bgs - below ground surface.

5. TWDB - Texas Water Development Board.

MEMORANDUM

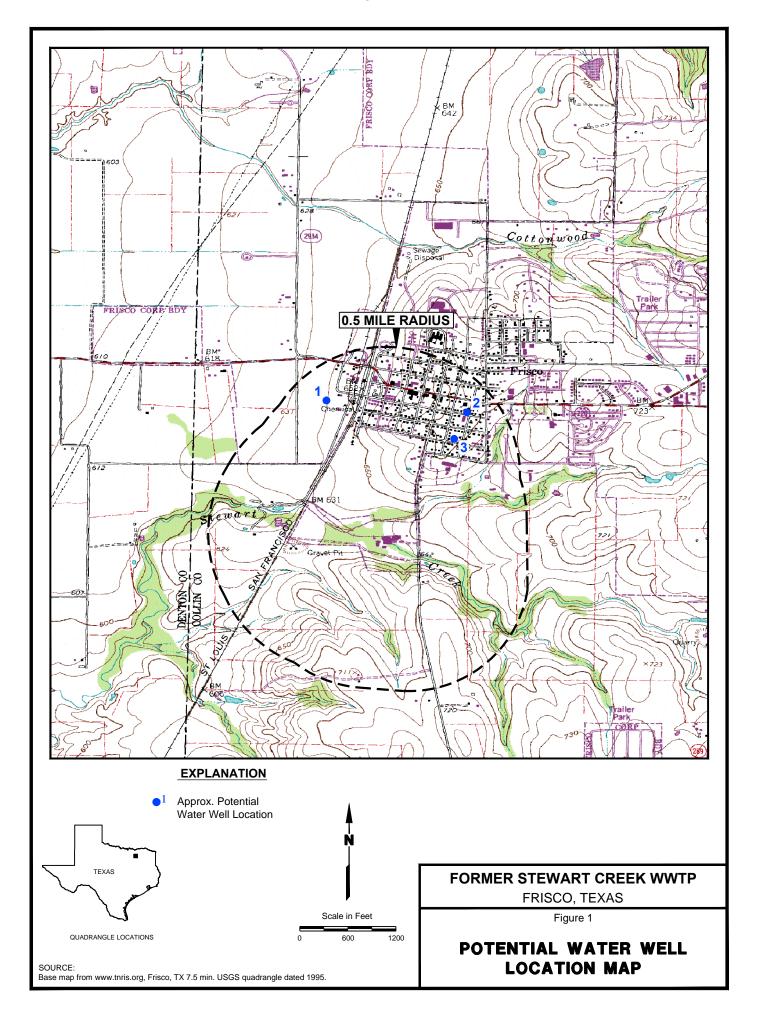
TO: CC:	Matt Love Eric Pastor
FROM:	Larry Eagan
DATE:	December 18, 2012
RE:	Exide Frisco Recycling Center – Water Well Field Survey

A field water well survey and interviews were conducted by Larry Eagan during October and November 2012 to evaluate the status of wells located within a half-mile radius of the Exide Frisco Recycling Center in Frisco, Texas. The status of wells identified in a February 1, 2012 search of Texas state water well records was confirmed. In addition, a search for other wells not identified in Texas state well records was conducted by a drive-by survey and discussions with City of Frisco personnel and other persons. Well locations identified in the water well records search and field survey are presented on Figure 1.

Well location 1, located in the vicinity of the intersection at Pecan Street and John W. Elliot Dr., indicates a single well designated as owned by Frisco Concrete and as active in Texas state records. Donnie Mayfield, a current City of Frisco (the City) employee who oversaw the demolition of three home sites located in the vicinity of the well, was interviewed regarding the well on October 19, 2012. Mr. Mayfield indicated that the old Frisco Concrete cement plant was in the vicinity of the demolished home sites. Lynn Floyd, of Floyd Architectural Millwork at 8734 John W. Elliot Dr., the only current business owner and operator in the vicinity of the reported well, was interviewed on October 22, 2012. Mr. Floyd, who has operated a business at this address for 15 years, indicated that he was not aware of any active wells in the area. In addition, a walking survey performed on October 22, 2012, by Mr. Eagan did not indicate evidence of an active well in the area. As a result of this evaluation, the well is believed destroyed.

Well location number 2 is located in the vicinity of the corner of Elm and 7th Streets where the original fire station was located. Mr. Eagan met with Mr. Mayfield of the City on October 19, 2012, regarding these wells, which are all deep wells (1700-2200 ft.) and owned by the City of Frisco. Two of the wells are capped and not currently in use by the City, but could be utilized in an emergency. According to Mr. Mayfield, the other two wells have been plugged and abandoned.

Well location number 3, located at 8661 7th Street, was a suspected well location identified by a drive-by survey. A small concrete structure, possibly suggesting the presence of a well, was observed in the backyard at 8661 7th Street. The owner of the property, Janet Lovelady, was interviewed over the phone on November 7, 2012. She indicated that there is no active well currently on the property, but that there had been a well on the property in the distant past that was believed to have caved in. The water well records survey did not indicate a well at or near this location.





Water Well Report[™]

Wednesday, June 05, 2013

CLIENT

PASTOR, BEHLING and WHEELER, L.L.C.

2201 Double Creek Drive

Suite 4004

Round Rock, TX 78664

SITE

FRC

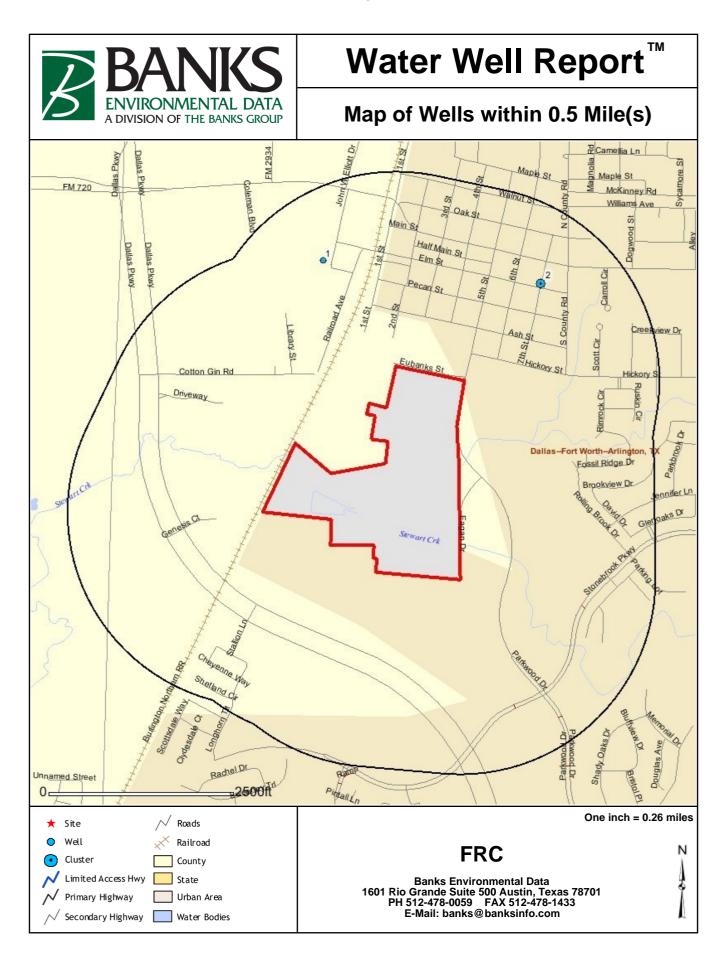
7471 5th Street

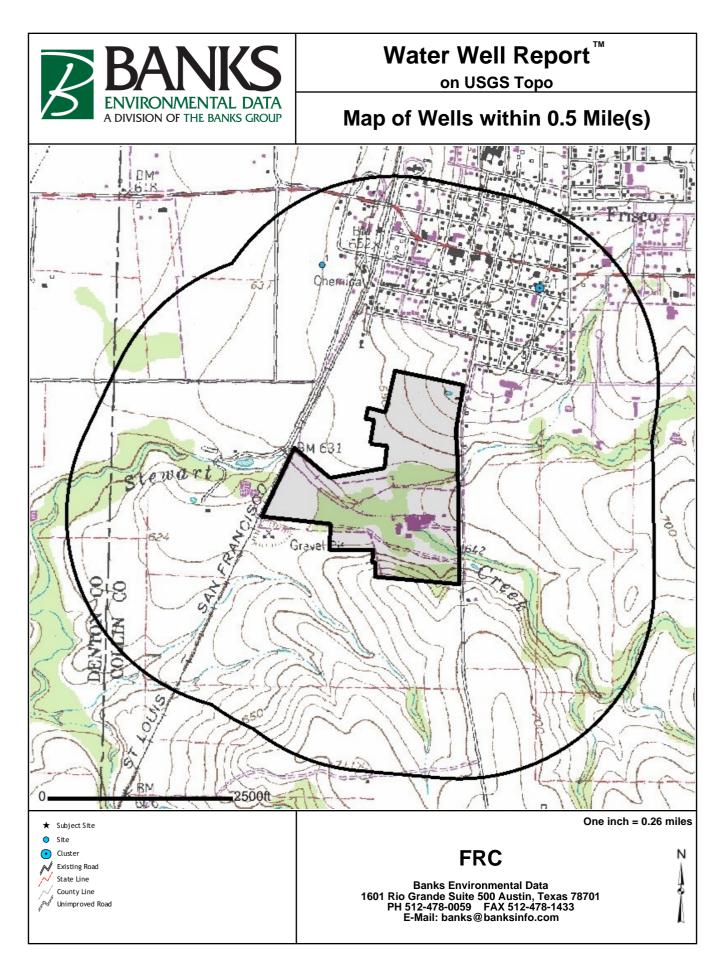
Frisco, TX

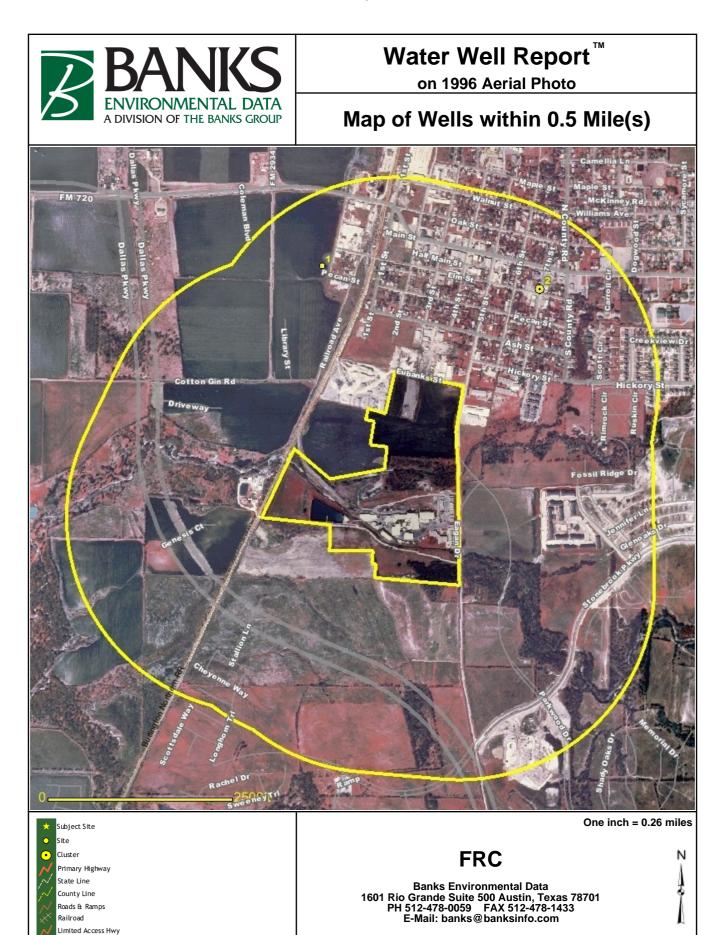
PO #: 1755

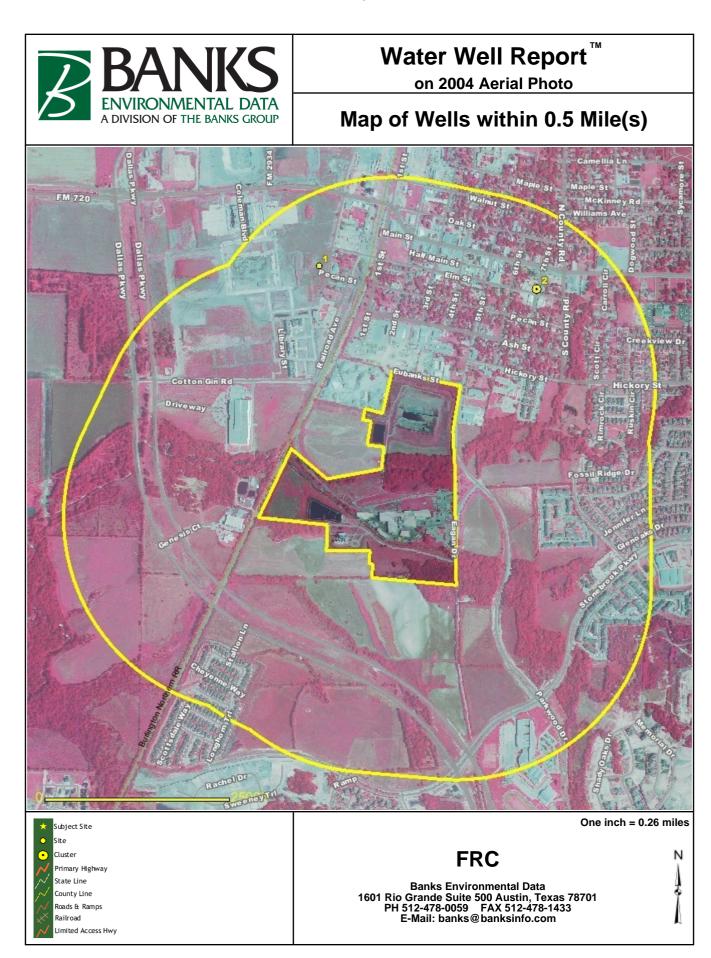
ES #: 105880

BISMap #: 060513-16060











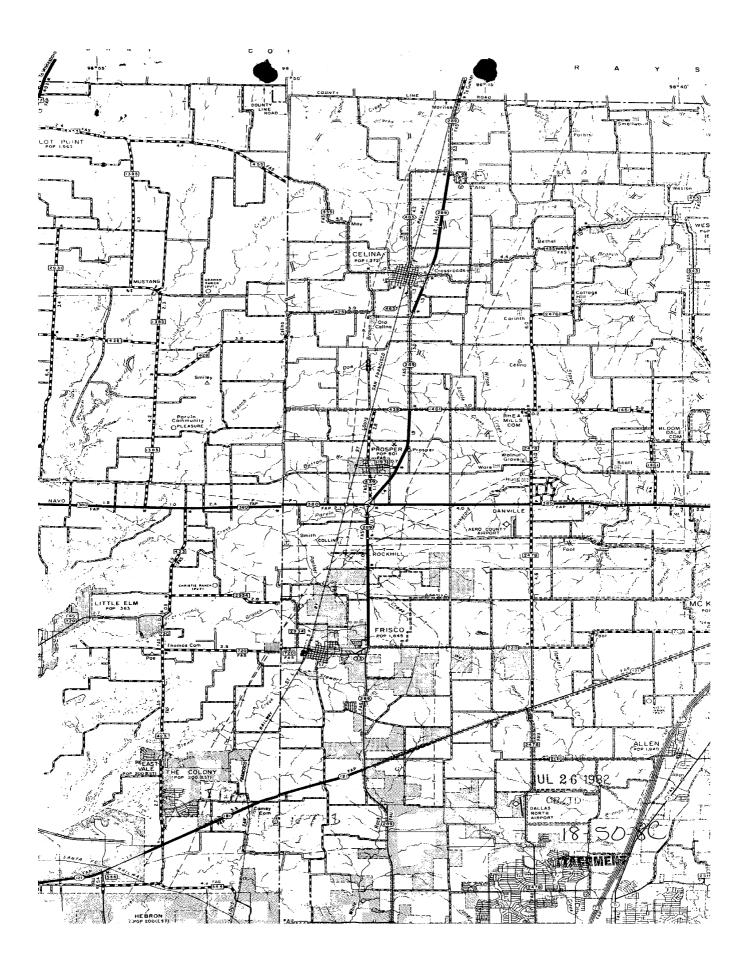
Water Well Report[™]

DETAILS

Map #	Source ID	Owner of Well	Type of Well	Depth Drilled	Completion Date	Longitude	Latitude	Driller's Log
1	18-50-8C	Frisco Concrete	Domestic	620	2/14/1980	-96.83156	33.15007	<u>View</u>
2	18-50-803	City of Frisco Well #2	Plugged or Destroyed	2796	3/22/1950	-96.82194	33.14916	<u>View</u>
2	G0430005A	CITY OF FRISCO	Public Supply	2796	3/22/1950	-96.82194	33.14928	View
2	18-50-802	City of Frisco Well #1	Plugged or Destroyed	1632	1/1/1940	-96.82194	33.14944	<u>View</u>
2	18-50-804	City of Frisco Well No.1-A	Plugged or Destroyed	1680	1/1/1924	-96.82222	33.14944	<u>View</u>

1601 Rio Grande Suite 500 Austin, Texas 78701 PH 512.478.0059 FAX 512.478.1433 E-mail banks@banksinfo.com

Send original copy by certified mail to the			State					or TDWR use only	-8c
Texas Dei grtment of Water Resources P. O. Box #3087						ORT ge Notice on Reverse	Lo Lo	cated on map 7	es
Austin, Texas 78711	Arrentic				Tivne	ge Notice on Reverse		eceived:C	1 1 . 5.
1) OWNER Frisco Con	<u>icrete</u> Iame)		Address	(Str	eet or	RFD)	Frisco	Texas (State)	(Zip)
2) LOCATION OF WELL: County <u>Collin</u>	Cit	y Limi	ts miles in	ω			Fr	isco	
· · · · · · · · · · · · · · · · · · ·				(N.E.	, S.₩.	, etc.)		(Town)	
Driller must complete the legal descrip with distance and direction from two i cion or survey lines, or he must locate well on an official Quarter. or Half-Sce General Highway Map and attach the r	ntersecting sec- and identify the le Texas Count	e :v	Abstrac	No		Block No Survey Name n from two intersecting	>		
	·····		See attaci	hed map	».				
B) TYPE OF WORK (Check):	4) PROPOS					5) DRILLING METH			
New Well Deepening Reconditioning Plugging			ial 🗆 Public S ell 🔲 Other			□ Air Rotary □ Ai			
WELL LOG:	DIAN	ATER OF H			BORE	HOLE COMPLETION:			
	Dia. (in.)	From (ft.) Surface	To (ft.) 620				aight Wall	🗆 Underream	ned
Date drilled 21 4 - 80	° 1/4		1 310] *		vel Packed 🛛 🗌 Ot ravel Packed give interva	her6	00ft. to65	20
From To	Description an	d color of fo							
(ft.) (ft.)	r	naterial		8) (IG, BLANK PIPE, AND	WELL SCREEN		
Surface to 4' 4' to 14'	= Bla - Cla	ick Soi	.l	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if con	omercial	Setting (ft.) From To	Ga Ca Sc
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580' to 620	'- San	ı d							
				-					
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				-		CE	MENTING DAT		
	. <u></u>					ed from Pres	<u>0</u> ft. to Sure	600	
				_	ement	ed by Boyd	Orillin (Company or I		
····				9)	WAT	ER LEVEL:			
]	Static	level 300 ft. bel	ow land surface	Date	
	RECEIVED	·		-	Artesi	an flowgp	m.	Date	
	11 26 198	32		10)	PACH	CERS: Typ	e De	pth	
	CB/10***								
· · · ·									
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) Othe			-	
(Use reverse s	ide if necessary)		- P	epth t	o pump bowls, cylinder,	jet, etc., <u>53</u>	30	ft.
Did you knowingly penetrate any	strata which co	ontained und	esirable	12)	WEL	L TESTS:		<u>_</u>	
water? 🛛 Yes 🕱 No If yes, submit "REPORT OF UNI						e Test: 🗌 Pump		Jetted 🗍 Estin	
Type of water? Was a chemical analysis made?	Depth of st □Yes [rata ∃ No		-	Yield	l: gpm with	ft.dr	rawdown after	_ hrs.
						nder my supervision) and			
	each and all of	the stateme	nts herein are 1	true to 1	he be	st of my knowledge and	belief.		
NAME ^B oyd Drilling Co				Drillers	Regis	tration No	481		
(Type or ADDRESS P. O. Box				F	ris	co Tex	as	750	34
AUDRESS <u> </u>	<u> </u>	1	(C)				(State)	(Zip)	
		e 11		~		D. 1001		×	
Signed) Claud	BOGG	<u>X</u>	<u> </u>	В	oyd	<u>Drilling</u> Co	mpany Name)		



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<i>}Ţ</i> .	**		\$		
-	TEXAS WATER DEVELOPMENT B	OARD			
PALUXY and	WELL SCHEDULE				
Aquifer TWIN MOUNTAINS	Field No	State We	NING 18 5	0 003	2
	Owner's Well No.	County	Сог		/
1. Location:1/4,1/4 Sec	_, BlockSurvey			[- <u></u>
2. Owner: CITY OF FRISCO	Address:			- [- + -	-+-+-
Tenant:					
Driller: J.L. MYERS SANS	Address:	· ·		-	
3. Elevation of					·+-+-
	is 705 ft. above msl, determined b	^y _ 7	<u>BPO</u>		
$\frac{19}{2} = \frac{2}{2} = \frac{19}{2} =$; Dug, Cable Tool, (otary)		CASING & BLA	NK PIPE	
5. Depth: Rept. 2796 ft. Meas.		Cemente Diam.	d From O j	t. to 144	6 _ft.
6. Completion: Open Hole, Straight Wall, Under	reamed, Gravel Packed	(in.)	Туре	Setti from	ng, ft. to
7. Pump: Mfgr. JOHNSTON	TURBINE	•			
No. Stages, Bowls Diam. in	1., Setting 630 rt (8-13-74)	8	STEEL		696
Column Diamin., Length Ta	pilpipe ft.			0	-9-1-9
. Motor: FuelELEC Make	& Model U.S. MOTORS HP. 50	7	11	101	11110
. Yield: Flow gpm. Pump 200 ppm	n, Mess. Rept., Est. 8-21-73		+	076	1440
0. Performance Test: DateLength	of Tent Nede he	5	LINED	171-	0-04
		·	LINER	1360	2796
Static Levelft. Pumping Level					
Production gpm Specific	Capacitygpm/ft.				
1. Water Level (TL.) 476 ft. Tept 2	19 50 above below		which is	ft. ^{et}	ove surface.
meas	_19abovebelow		which is	ft. ^{ab}	ove surface
ft. rept. meas	19above		which is	be ең. әb	low ove surface
ft. rept. meas	above		which in	a, ab	OVA .
2. Use: Dom., Stock, Public Supply Ind.,	below Irr., Waterflooding, Observation, Not Used,		= ***1ch 18	it. be	low surface.
. dusify: (Remarks on taste, odor, color, etc)				
Run Temp °F, Date sampled for analysis_	4-51 Laboratory TO DAL				
Temp. 104 °F. Date sampled for analysis	3-18-76 Leboratory 75 DH		WELL SCR	EEN	
		Diam.	en Openings Type	Cattle	- 0
Temp °F, Date sampled for analysis_		(in.)		Settin from	to to
. Other data available as circled: Driller's L			00	oppos	ite all
Formation Samples, Fumping Test,		5	Pert	water	bearing
Record by: PNORDSTROM	Date3-181976			Sar	
Source of Data J.L. MYERS COL	CITY OBS.				
. Remarks:	-			1	
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TWDBE-WD-2

Dec-802

(Sketch)

In A. DAZ

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14.	1		1			
		DEVELOPMENT BO	OARD			
PALUXY and	WI	II. SCHEDULE				
Aquifer Twin MOUNTAINS				10 -		
Aquifer [WIN [] OUNTAINS	Field No.	2	State Wel	1 № <u>/0_5(</u>	803	
	Owner's Well No	*	County	CULL	<u></u>	
1. Location:1/4,1/4 Sec	_, BlockS	urvey				
			- 		-+-+-	╉━┿━-
2. Owner: CITY OF FRISCE	P Ad	idress:			.	
Tenant: Driller: J.L.MYERS SONS	Ad	idress:	• 		.	
						+-+
3. Elevation of L.S.			»y _72	<u> </u>	L	<u> </u>
4. Drilled: 3-22 1950 5. Depth: Rept. 2794 ft. Meas.		<u>.</u>	Cemented	CASING & BLAN From O ft	K PIPE /44	0 et
 <u>Depth</u>: Rept. <u>< [] Lo</u> ft. Meas. <u>Completion</u>: Open Hole, Straight Wall, Under 			Diam.	Type	Settir	ig, ft.
7. Pump: Mfgr. JOHNSTON			(in.)		from	to
No. Stages, Bowls Diami			8	STEEL	0	696
Column Diem in., Length T]	
8. Motor: Fuel _ ELEC Make			. 7	//	696	1440
9. Yield: Flow gpm, Pump 200 gp	m, Meas, Rept., Est. &	21-73	=			
10, Performance Test: DateLengt	h of Test Made a	^y	5	LINER	1360	2796
Static Levelft. Fumping Level						
	Capacitygpm					
11. Water Level (P.L.) 246 ft. (rept.) 3	l9_Delow			which is	ft. be	low surface.
ft, rept. meas		``		which is	be	low
ft. rept.						
12. Use: Dom., Stock, Public Supply Ind.						low
13. Quality: (Remarks on taste, odor, color, e						
K.R. Temp °F, Date sampled for analysis				WELL SCR	EEN	
Temp. 104 °F, Date sampled for analysis	3-/8-76 Laborato	ту_ <u>75.0Н</u>	Scre Diam.	en Openings Type	I Settin	g, ft.
Temp °F, Date sampled for analysis			(in.)		from	to
14. Other data available as circled: Driller's	Log Radioactivity Log,	Electric Log,	5	D_C	oppo	
Formation Samples, Pumping Test, 15. <u>Record by:</u> <u>PNORDSTROM</u>		3-18 1074			water se	nds
Source of Data J.L. AYERS (D)						
16. Remarks:						· ·
no gauge on airlin	e					L
					<u> </u>	
					0	
				E-	Rog	
					V	
		-803				

TWDBE-WD-2

Acc: 802 18-50-803 (Sketch)

Depth	Thickness	Formation
38	38	Austin c k alk
525	487	Eagle Ford
880	355	Woodbine
1330	450	Shale and lime
1360	30	Kiamichi Shale
1420	60	Goodland lime
1430	10	Walnut shale
1632	202	Paluxy
1833	201	Lime and shale
1923	90	Glen Rose sand and lime
2378	455	Lime and shale
2388	10	Sand
2391	3	Rock
2420	29	Sand
2426	6	Shale
2470	44	Sand
2560	90	Sandy lime and shale
2637	77	Sand
2796	159	Lime

~	
n	n GW-1 TEXAS BOARD OF WATER ENGINEERS GROUND-WATER DIVISION
Date	L SCHEDULE <u>6-23</u> , 19 <u>60</u> Field No. Drd by <u>RWM</u> Office No. <u>D7785080</u> 3
iour	ce of data Ohe + Jeff Black & 1957 Travis PK. Rept
	Location: County <u>Collin</u> Map <u>By Fire Station</u> Survey <u>Olock South of water tourer</u>) Owner: <u>City of Frisco^{#2} Address</u>
٤.	Owner: City of FrisCo#2 Address Tenant Address
	Driller JLMypts Sons' Address
4.	Topography: Elevation: $695 \pm 6000 MSL$
	Type: Dug, firilied, driven, bored, jetted 1950 Depth: Rept. 2060 Tt. Meas. ft.
	Casing: Diam in., to in to in p Depth ft., Finish
8.	Chief Aquifer: <u>KTrinity</u> From <u>ft.</u> to <u>ft.</u>
9.	Water level: 143 ft (rept) Spring 1961 above LSD MERS. Delow below below
10.	Pump: Type Capacity gpm
11.	Power: Kind Horsepower 50 Yield: Flow gpm, Pump 175 gpm, Meas., Rept Drawdown 407tt. after hours pumping 7 19/23/56
	Use: Dom., Stock, PS), RR., Ind., Obs. Irr.
-	Adequacy, permanence
	Quality:
1 4. 15.	Temp °F Sample (Tes 5/ Log: (Tes) JL Myers No Remarks: & \$560 pm 1956 UCLI #65 in Nards 1952 Travis ft. Rep.

<u> </u>	_ "
Typewrite (Black ribbon) or Print Plainly (soft pencil or black ink) Do not use ball point pen Texas State Department of Health Laboratories 1100 West 49th Street Austin, Texas 78756	TWDBE-GW ONLY Program No Proj. No
CHEMICAL WATER	ANALYSIS REPORT
Send report to: Ground Water Data and Protection Division Texas Water Development Board P.O. Box 13087 Austin, Texas 78711	County State Well No. / B 50 803 Well No. 2 Date Collected 03 08 7G By A L. MORDSTROM
Location at Fire Station	
Source (type of well) ///////////////////////////////////	ty of FRISCO, Box 177, FRISCO 75034 PA - KCTM
Producing intervals/440-2796 Water level	
	GPM <u>meas.</u> Temperature [/[/]7]°F
Point of collection <u>faucet on perf</u> Use_ <u>PS.</u> Remarks <u>Spad copy to owned</u>	Appearance Clear Clurbid Colored Clother
(FOR LABORATORY USE ONLY)	
CHEMICAL	
Laboratory No. <u>398656</u> Date Received	MC/L ME/L
Silica · · · · · · · · · · · · · · · · · · ·	
Calcium · · · · · · · · · · · · · · · · · · ·	Bicarbonate
	Sulfate
Sodium · · · · · · · · · · · · · · · · · · ·	Chloride
Total 13 29	
Potassium · · · · · ·	
Manganese · · · · ·	pH · · · · · · · · · · · · · · · · · · ·
	1/ Dissolved Solids (sum in MG/L) · · · · · · · · · 790
3/ Total Iron	Phenolphthalein Alkatinity as C aCO3 · · · · · · · · · · · · · · · · · · ·
□ (other) MG/L	Total Alkalinity as $CaCO_3 \cdot \cdot \cdot \cdot \cdot \cdot 6 \cdot 4 \cdot 4 \cdot 3 \cdot 2 \cdot 2$
Specific Conductance (micromhos/cm ³) · · · · · / 350	Total Hardness as C aCO3
Diluted Conductance (micromhos/cm ³)	2/ Nitrogen Cycle
" □ " items will be analyzed if checked.	Nitrite N · · · · · · · · · · · · · · · · · ·
J' The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.	Nitrate - N
2/Nitrogen cycle requires separate sample. 3/ Total Iron requires separate sample.	Organic Nitrogen · · · · · · · · · · · ·
TWD8E-WD-1 (Rev. 1-25-72)	Analyst Checked By

Exide APAR Page 775 of 2984

and the second	
	۶ [°] ,
Typewrite (Black ribbon) or Print Plainly (soft pencil or black ink)	
Do not use ball point pen	Program NoLab No.
Texas Department of Health Laboratories 1100 West 49th Street Austin, Texas 78756	Work No
and the Reliable	
	14/3 6/10
Send report to:	County County
Ground Water Division	State Well No. 18-50-803
Texas Department of Water Resources	Well No
P.O. Box 13087	
Austin, Texas 78711	
	П
Location	Sample No. 🔄 By
Source (type of well) TE SO HP Owner C	ity of Frisco
Date Drilled 1950 Depth 2796 ft. WBF KCP	A-KCTM
Producing intervals Water level	
-	
~~	GPM mees. Temperature°F°C
20	Appearance 🖸 clear 🛛 turbid 🗋 colored 🗋 othe
UseRemarks	
(FOR LABORATORY USE ONLY)	
CHEMICAL	ANALYSIS KEY PLINCHER
Laboration No.	
-	Date Reported
Silice · · · · · · · · · · · · · ·	Carbonate · · · · ·
	Bicarbonate
	Sulfate · · · · · · ·
Sodium · · · · · · ·	Chloride
Total	
D Mangenese • • • • • • • • • • • • • • • • • •	
□ Boron · · · · · · · ·	J Dissolved Solids (sum in MG/L) · · · · · ·
	Phenolphthalein Alkalinity as C aCO3 · · · ·
□ (other) MG/L	Total Alkalinity as C aCO3 · · · · · · · · ·
Specific Conductance (micromhos/cm ³)	Total Hardness as C aCO3 · · · · · · · · · · · //9
Diluted Conductance (micromhos/cm ³)	2/ Nitrogen Cycle
ана на	┼┤●┝┼┼┥
' 🗆 '' items will be analyzed if checked.	
${f J}$ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the	Nitrate - N
carbonate figure is used in the computation of this sum,	┼┦╹┝┿┿┥
2/ Nitrogen cycle requires separate sample.	Organic Nitrogen · · · · · · · · · · · · · · · · · · ·
Y Total iron requires separate sample, TDWR-0148	Analyst Checked By

•••	
Typewrite (Black ribbon) or Print Plainly (soft pencil or black ink) Do not use ball point pen Texas Department of Health Laboratories 1100 West 49th Street Austin, Texas 78756	TDWR ONLY Program NoLab No. 3
CHEMICAL WATER A Send report to: Ground Water Division Texas Department of Water Resources P.O. Box 13087 Austin, Texas 78711	County 043 <u>Collin</u> State Well No. 1850 803 Well No Date Collected 08 09 66
Location	
	A - K-CTm ft, ft, Sample depth ft, GPM mess, Temperature GPM est, Temperature Complexity Complexity Appearance Clear
Use Remarks	
(FOR LABORATORY USE ONLY) CHEMICAL A	NALYSIS KEY PUNCHED
Laboratory No Date Received MG/L ME/L	Date Reported MG/L ME/L
	Carbonate
	Bicarbonate · · · · · · · · · · · · · · · · · · ·
	Sulfete
	Fluoride
	Nitrate · · · · · ·
□ Mangenese · · · · · · · · · · · · · · · · · ·	
	y Dissolved Solids (sum in MG/L) · · · · · · · · · · · · · · · · · · ·
3/10 Total Iron	Phenolphthalein Alkalinity as C aCO3 · · · · ·
□ (other) MG/L	Total Alkalinity as C aCO3 · · · · · · · · · · · · · · · · · · ·
Specific Conductance (micromhos/cm ³) · · · · ·	Total Hardness es C aCO3 · · · · · · · · · · · · · · · · · · ·
"] " items will be analyzed if checked.	
${\cal Y}$ The bicarbonate reported in this analysis is converted by computation	
(multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum. 3/ Nitrogen cycle requires separate sample.	Organic Nitrogen · · · · · · · · · · ·
3⁄ Total Iron requires seperate sample. TDWR-0148	Analyst Checked By

Typewrite (Black ribbon) or Print Plainly (soft pencil or black ink) Do not use bell point pen Texas Department of Health Laboratories		Organi	zation No. <u> </u>	DB ONLY 22_Lab No.	
1100 West 49th Street Austin, Texas 78756		Work M	io. <u>6042 (</u>	IAC (R.	7)-1585)
		ANALYSIS REPORT			•
Send Reply To: Water Availability Data and Studies Section Texas Water Development Board Stephen F. Austin Building 1700 Congress Ave. Austin, Texas 78711 Attn: <u>Achert R. Flores</u> Rm.			Date C	Vell No. La	29 87
Owner <u>City of Fris</u> Address <u>1.0. Box 177, Frisco</u>		L Send copy to ow	mer Sample No	. 🖉 ву 🥙	<u>rf</u>
Address 7.0. Pox 77 Frisce				ource (type of we	
Producing intervals Water I			ft.		<u> </u>
Sampled after pumping				erature	J• _₣ Ĺ <u>↓</u> ↓
Point of collection		Арр	serance Dicies	r 🗋 turbid 🗖	colored 🛛 oth
Use Remarks					
(FOR LABORATORY USE ONLY)			<u></u>		
	_	ANALYSIS			
Laboratory No.	Date Received	<u>UG 03'87</u>	Date	Reported	624'87
					•
ate Well No.48-50-8	WATER ANALY Date:08198		Samalo	No:EB7-1	054
MGZL		<i>,</i>	compar.	MGZL	MEZL
Silica:00955: 13	6.12	Carhonate:		6	.20
Calcium:00915: 1	.07 .05	Bicarbonate:		555	9.10
Magnesium:00925: (1 Sadium:00930: 359	15.61	Sulfate: Chloride:		189 78	3,94 2,20
Potassium:00935: 1	, 03	Fluoride:		2.4	.13
T.Cations		litrate as NO3	;71851;	<0,04	0
Manganese:01055:	XNa		ions	<i>(</i>). 1 34	15.56
Boron:01020:	SAR	,	00403:	8.5	
1,000 C 100 C 100 C 100 C 100 C 100 C		TDS(Calc)	70301:	923	
Total Iron:01045:	RSC		00415:	5	
	1 0 0 0	T, Alk.:(465	
(Specific Cond.:00025) Luted Conductance (micromh	1200 os/cm3)	T. Hardness:	007001	6	
11 x151 =(66) items will be analyzed if	checked.	Ammonia N; Nitrite N:	106151		
	Դրող	Nitrate-N: anicNitrogen:			

TEXAS WATER	EVELOPMENT	BOARD -	WATER	LEVEL	IN ∂ASURE	MENTS
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			NUMB		AS OF	WEL	LC	LAT. DNG. ST CHEMICAL A					□ Normal □ Publ. □ USGS
ſ			UL NU	IMBER				AND SURFACE D	ATUM				
	CL MEAS	ATE OF JRREN SUREM	T IENT	CURRENT DEPTH TO WATER FROM LAND SURFACE	CHANGE IN LEVEL SINCE LAST STATIC MEASUREMENT	Measurement Number	DEPTH TO WATER FROM MP	ELEVATION OF DEPTH TO WATER FROM MEAN SEA LEVEL	Measuring Agency	Measurement Method	REMARKS	WELL USE	FIELD OBSERVATIONS
X	мо. Ю	DAY	чв. 93	- 4182-15					0!	3		p	prmp set 9+ 6307
	2	8	35	-442					3	3	4	f	
1		01	96	444.8			441 50			1	20	v	Vere Snoff
V	<u> (</u>	17	91	444,1			446,50 452,80		01	1	20	+	FROM THE JOP VERY SPORY
V	11	10	-10	451.0			454.3		01	1	20	J	VCAI BION
X		A	99	452.5			9540		BI	r 1	97		
S)	12	<u> </u>	01			GH			01	1	40	u	
	1	100	100						-				
		1 1 1											
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		1					PAluty :						

WATERSHED

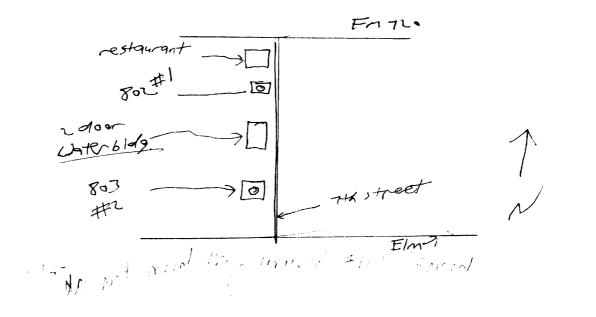
COUNTY

collin

WELL CLASS AND NUMBER MEASURING POINT (MP)

18-50-803

TWDB-0518



see 18-50-802 sketch for tocotion to set key it costed

don't need to megsure in tags. 1/93-2/94. 6.1.

18-50-803

Texas Commission on Environmental Quality

06/05/2013 9:28:18AM

Water System Data Sheet

WSDSR

PWS ID	PWS Name	Central Registry RN
0430005	CITY OF FRISCO Superior	RN101420602

Organization/Customer *	Central Registry CN
CITY OF FRISCO	CN600245526

* Regulatory mail will be addressed to this organization / person

Responsible Official **				Title			
MAHER MASO				MAYOR			
License Type		License Nun	nber				
Mailing Address:							
Street Address				C/O or Ac	ddress Line 2		
6101 FRISCO SQUA	RE BLVD						
City		Sta	State		Zip		
FRISCO		Тλ	ТХ		75034 - 3253		
Business Phone	Other Phone	Other		е Туре	Email		
(972) 292-5100 Ext.	(972) 335-5505 Ext. (972) 292-5050 Ext.		CELLULAR		MMASO@FRISCOTEXAS.GOV		
	<u>.</u>	· · · · ·					

** Regulatory mail will be addressed to this person

PWS Contact - If different than a	bove ***	Title	Title			
GARY HARTWELL			MICRO	BIAL CONTACT		
License Type		License Numbe	er			
Mailing Address for PWS Primar	y Contact:					
Street Address			C/O or Address Line 2			
11300 RESEARCH RD						
City		State		Zip		
FRISCO		ТХ		75034 - 2047		
Business Phone Other Phone O		Other Phone	е Туре	Email		
(972) 292-5800 Ext.				ghartwell@friscotexas.gov		

*** Copies of most regulatory mail will be addressed to this person

Emergency Contact Name ****	Emergency Phone	Emergency Email
KEVIN GRANT	(469) 853-4659 Ext.	KGRANT@FRISCOTEXAS.GOV
License Type	License Number	

1 of 3

**** This contact information will be used only in the event of an emergency

Owner Type Options: AFFECTED COUNTIES, COUNTY, DISTRICT/AUTHORITY, EXEMPT, FEDERAL GOVERNMENT, INVESTOR, MUNICIPALITY, NATIVE AMERICAN, PRIVATE,
SUBMETER \ ALLOCATION, STATE GOVERNMENT, NOT RETAIL PUBLIC UTILITIES, WATER SUPPLY CORPORATION, MISC/UNKNOWN

System Type System Type Options: SB 361, COMMUNITY, COMMUNITY (NON-GOVERNMENT OWNED), COMMUNITY TRANSIENT/NON-COMMUNITY, NON-PUBLIC, NON-TRANSIENT/NON-COMMUNITY

Customer	Customer	Population	# of	# of	# I/C
Class	Category	Served	Connect	Meters	w/other PWS
RESIDENTIAL	RESIDENTIAL AREA	116,989	46,984	36,329	1

Product	Average Daily Consump.	Total Storage (MG)	Elev. Storage (MG)	Booster Pump Cap. (MGD)	Aux.Prod.Cap. Max.Pur.Cap.(MGD)	Pressure Tank Cap.(MG)
0.000	20.316	36.250	10.250	64.152	60.531	0.00000

Activity Status	Deactivation Date	Reason
ACTIVE		

Operator Grade	Number
WATER GRADE B DISTRIBUTION	4
WATER GRADE B SURFACE	1
WATER GRADE C DISTRIBUTION	15
WATER GRADE C GROUND	1
WATER GRADE D	1

Last Survey Date	Surveyor	Survey Type	Code	Region	County	Def.Score
04/28/2011	IMRAN KHAWAJA	SURVEY		4	COLLIN	0
02/28/2008	IMRAN KHAWAJA	SURVEY		4	COLLIN	0
11/30/2005	IMRAN KHAWAJA	SURVEY		4	COLLIN	7

	(Entry Point)						
Entry Point	ISUMMATION (ACTIVITY	Plant Name (Activity	IPlant	Chemical Mon Type	Sample	Distribution	Dist Sample Point
001	SAMPLE IAP/	EAST PS - 3 MASTER METERS(A)	20902		No		No

(Active Sources)							
Source Number	Source Name (Activity Status)		Operational Status	Source Type	Depth	Tested GPM	Rated GPM
P0430005A	SW FROM NTI	MWD(A)	0	S	0	0	0
Water Body		Segment Numbe	er	Surface Water Intake Type			
		0					
	GPS Longitude (decimal)	GPS Elevation GPS Date GPS Cert. No. Seller					
Not Available	Not Available	Not Available	Not Available	Not Available		043004	4

(Inactive/Offline Sources)					
SourceNumber	Name	Status	Depth		
G0430005B	HWY 289 / LOOP 33	N	2742		
G0430005D	LEBANON	N	1800		
G0430005A	PS 1 - 7TH / ELM	N	2796		
G0430005C	STONEBRIAR	N	2670		

Code Explanations
Monitoring Type Codes: (GW) GROUNDWATER,(GWP) GROUNDWATER - PURCHASED,(GUP) GROUNDWATER UNDER THE INFLUENCE - PURCHASED,(SWP) SURFACE WATER - PURCHASED,(GU) GROUNDWATER UNDER THE INFLUENCE OF SURFACE WATER,(N) NO SOURCES,(SW) SURFACE WATER
Activity Status Codes: (A) ACTIVE , (C) CCN CANCELLED , (D) DELETED/DISSOLVED , (G) SB 361 , (I) INACTIVE , (M) MERGED/ANNEXED , (N) NON-PUBLIC , (P) PROPOSED , (U) UNKNOWN-NO ACTIVITY OR NON-RESPONSIVE , (W) UTILITY WATER SYS XFER
Operational Status Codes: (C) CAPPED, (D) DEMAND, (E) EMERGENCY, (F) FORMER PWS SOURCE, (I) INACTIVE PWS SYSTEM, (N) NON-DRINKING WATER, (O) OPERATING, (P) PLUGGED, (T) TEST, (Y) PWS NOT ACTIVE AND NOT EXPECTED TO BE SO

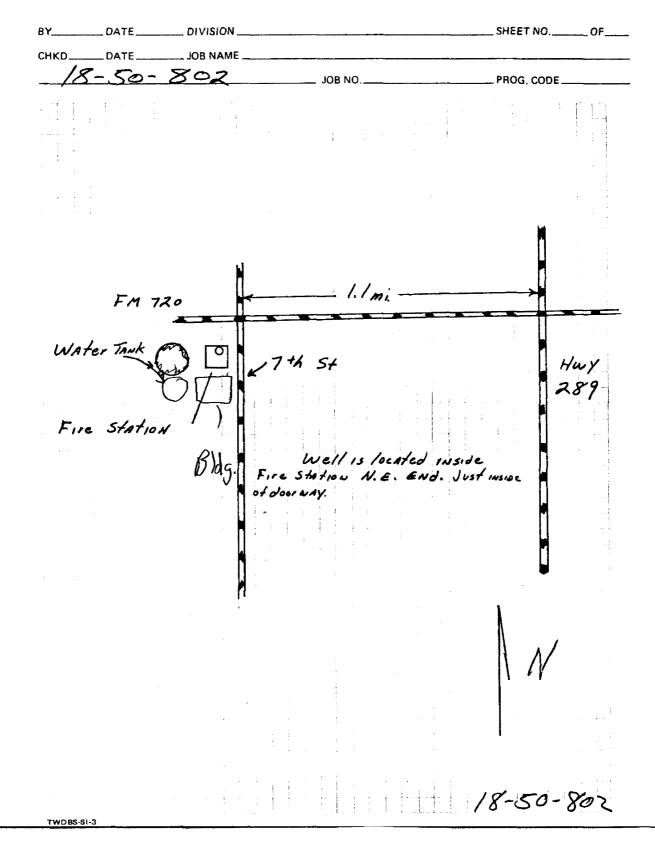
Source Types: (G) GROUND WATER, (S) SURFACE WATER, (U) GROUND WATER UNDER THE INFLUENCE

- End of Report -

The Texas Commission on Environmental Quality is pleased to provide this information to you free of charge. Please understand that we cannot guarantee the accuracy or completeness of the information being supplied. At the time of your query this data was the most current information available from our database, which is updated weekly. Every effort was made to retrieve it according to your query. Thank-you for using WUD.

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	/			
, C ,				
TEXAS WATER DEVELOPMENT BO	ARD			
WELL SCHEDULE				•
\circ (
Aquifer Paluxy Pield No.		. No / 850		
Cumer's Well No.	County	COLLI	<u>N</u>	
1. Location: 1/4, 1/4 Sec. Block Survey				
N of fire Sta. NE of water tank			/+	
2. Owner: CITY OF FRISCO Address: RO. Box /	7. j <u>r k</u>	1200 1203	1	
Tenant: Address: Address: Address: Address:				
Driller: MIJEKS 3. <u>Elevation</u> of <u>45</u> is <u>705</u> ft. above mol, determined by	TOP	<u>~</u>		
4. <u>Prilled</u> : <u><u><u>T</u></u> 19 40; Dug, Cable Tool, Rotery, <u><u>T</u> 19 40; Dug, Cable Tool, Rotery, <u><u>T</u> 19 40; Dug, Cable Tool, Rotery, <u><u>T</u> 19 40; Dug, Cable Tool, Rotery, <u>T</u> 10 40;</u></u></u></u>				
5. Depth: Rept. 1632 ft. Measft.	Cemented	CASING & BLAN From ft	(PIPE . to	ft.
6. Completion: Open Hole Straight Wall Underreamed, Gravel Packed	Diam. (in.)	Туре	Setting	, ft.
7. Pump: MEgr. Red Jacket Type Sub			1	
No. Stages, Bowls Diamin., Setting605_ft.	848	steel	0	696
Column Diam. in., Length Tailpipe ft.	-			
8. Motor: Fuel ELEC Make & Model HP. 25		,, 	696	1440
9. <u>Yield:</u> Flowgpm, Pump_] 2] gpm Ness. Rept., Est. 8-21-73		. .		
10. Performance Test: DateLength of TestNade by	5	strainer.	1428	1632
Static Levelft. Pumping Levelft. Drawdownft.				
Production gpm Specific Capacity gpm/ft.			L	
		which is		
		which is		
402.0 r. Topt. 3-18 1976 BOOM		which is		
12. Use: Dom., Stock, Cublic Supply, Ind., Irr., Waterflooding, Observation, Not Used,	• <i>9</i>	which is	^{1t.} bel	ow
13. Quality: (Remarks on taste, odor, color, etc.) 2-17-43				
Temp °F, Date sampled for analysis 4-51_ Laboratory 75. DH t		WELL SOR		
Temp. "P, Date sampled for analysis 6-6-59 Laboratory "		n Openings		
Fe Temp. 84 °F, Date sampled for analysis 3-18-76 Laboratory "	Diam. (in.)	Туре	Setting	, ft. to
14. Other data available as circled Driller's Log, Radioactivity Log, Electric Log,	~	0		
Formation Samples, Pumping Test,		pert	1440	1632
15. Record by: John Derton MNORDSTROMDate 11-6 1973				
Source at Data <u>CITY 085</u> 16. Remarks: <u>AUVIINE</u> Set at 607 ft		 		
16. <u>Remarks: <u>AINLING</u> SET AT 60 J HD</u>				
		l	/	
74				
OfsWell I want				
7.20				
				·····
1803 N)289			6	6s)
TWDBE-WD-2 (Sketch)			18-50	and the second se
			10-50	-004

TEXAS WATER DEVELOPMENT BOAP



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	, addra,		
Typewrite (Black ribbon) or Print Plainly (soft pencil or black ink) Do not use ball point pen	й		TWDBE-GW ONLY
Texas State Department of Health Laboratories 1100 West 49th Street			Program No6072
Austin, Texas 78756			Proj. No
Send report to:	CHEMICAL WATER	ANALYSIS REPORT	County ColLIN
Ground Water Data and Protection Division Texas Water Development Board P.O. Box 13087 Austin, Texas 78711			
Location at Firestatio	~		Date Collected 0 2 18 75 ByKORDSTROM
Source (type of well) Sub Elec 25	WP Owner	ITY OF FRI	SCO, P.O. BOX 177 FRISCO
Date Drilled 1940 Depth 163		ALUXY	75034
Producing intervals Water	r level (205'on air		
Sampled after pumping	hrs. Yield	GPN	
Point of collection <u>hydront of</u>	copy to Dun		pearance 🗌 clear 🔲 turbid 🗌 colored 🗌 oth
Use Remarks	Copy to Dwn	<u>16.7</u>	
(FOR LABORATORY USE ONLY)			
30864.8	CHEMICAL	anal MAR 29 19	76 KEY PUNCHED
Laboratory No.	Date Received		Date Reported
Silica · · · · · · · · / / / 6	•	Carbonate · · ·	17 0.50
Calcium · · · · · · · · 2	d d d d d d d d d d d d d d d d d d d	للاحي Bicarbonate	
		Bicarbonate	· · · · · · · · · · · · · · · · · · ·
	┨┝┼ <u>┽</u> ┥╹┝┽┥		
		Sulfate · · · ·	90 1.8
Sodium · · · · · · · 262		Sulfate • • •	90 1.8
Sodium · · · · · · · 262	otal 11.47	Sulfate · · · ·	90 1.8
Sodium · · · · · · · · · · · · · · · · · · ·	otal 11 47	Sulfate · · · · Chloride · · ·	90 1.8
Sodium · · · · · · · · · · · 262 T	• [/] • [/] / · · · · · · · · · · · · · · · · · ·	Sulfate · · · · Chloride · · · Fluoride · · · Nitrate · · ·	90 19 0.54 10 10 10 10 10 54 10 10 10 10 10 10 10 10 10 10
Sodium	%Na SAR	Sulfate · · · · Chloride · · · Fluoride · · · Nitrate · · · · pH · · · · · 1/ Dissolved Solids (sum	· · · · · · · · · · · · · · · · · · ·
Sodium	• [/] • [/] / · · · · · · · · · · · · · · · · · ·	Sulfate · · · · Chloride · · · Fluoride · · · Nitrate · · · · pH · · · · · 1/ Dissolved Solids (sum	
Sodium	%Na SAR	Sulfate • • • • Chloride • • • Fluoride • • • Nitrate • • • • pH • • • • • 17 Dissolved Solids (sum Phenolphthalein Alkal	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Sodium	%Na SAR	Sulfate • • • • Chloride • • • Fluoride • • • Nitrate • • • • pH • • • • • 1/ Dissolved Solids (sum Phenolphthalein Alkal Total Alkelinity as C at Total Hardness as C at	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Sodium · · · · · · · · · · · · · · · · · · ·	%Na SAR	Sulfate · · · · Chloride · · · Fluoride · · · Nitrate · · · pH · · · · 1/ Dissolved Solids (sum Phenolphthalein Alkal Total Alkelinity as C at Total Hardness as C at	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Sodium · · · · · · · · · · · · · · · · · · ·	%Na %Na SAR RSC //057 //70 nverted by computation t of carbonete, and the	Sulfate · · · · Chloride · · · Fluoride · · · Nitrate · · · · pH · · · · · 1/ Dissolved Solids (sum Phenolphthalein Alkal Total Alkelinity as C a Total Hardness as C al 2/ Ammonia · N · ·	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Sodium · · · · · · · · · · · · · · · · · · ·	%Na %Na SAR RSC //057 //70 nverted by computation t of carbonete, and the	Sulfate • • • • Chioride • • • Fluoride • • • Nitrate • • • • pH • • • • • 1 Dissolved Solids (sum Phenolphthalein Alkal Total Alkelinity as C a Total Hardness as C at Ammonia - N • • Nitrite - N • • •	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

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Typewrite (Black ribbon) or Print Plainly (soft pencil or black ink) Do not use ball point pen	TWDB USE ONLY
Texas State Department of Health Laboratories	Program No
1 100 West 49th Street Austin, Texas 78756	Proj. No
CHEMICAL WATER	
	County Collin
Send report to:	State Well No. 18-50-802
Ground Water Data and Protection Division Texas Water Development Board	
P.O. Box 13087 Austin, Texas 78711	
Location	ву
Source (type of well) 5, £ 25 Owner F	RISCO
Date Drilled <u>+ 1940</u> Depth <u>1632</u> ft. WBF <u>-</u>	PALLXY
Producing intervals Water leval	-
Sampled after pumping hrs. Yield	
	Appearance Clear Curbid Colored Cother
Use	
(FOR LABORATORY USE ONLY) CHEMICAL	
Laboratory No Date Received	KEY PUNCHED Date Reported
MG/L ME/L	Date Reported MG/L ME/L
Silica · · · · · · · · · · · · · · · · · · ·	
Calcium • • • • • • •	Bicarbonate
	Sulfate • • • • • • • • • • • • • • • • • • •
Sodium · · · · · · · ·	
Total	
Potassium	Nitrate · · · · ·
□ Manganese • • • • • • • • • • • • • • • • • •	pH · · · · · · · · 8 4 Total
□ Boron · · · · · · · · SAR	1/ Dissolved Solids (sum in MG/L) · · · · · · · · 775
3/1 Total Iron • • • • • •	Phenolphthalein Alkalinity as C aCO3 · · · · ·
□ (other) MG/L	Total Alkalinity as C aCO ₃ · · · · · · · · · · · · · · · · · · ·
Specific Conductance (micromhos/cm ³)	Total Hardness as C aCO3 · · · · · · · · ·
Diluted Conductance (micromhos/cm ³)	2/ Nitrogen Cycle Ammonia - N · · · · · · · · · · · · ·
" 🗖 " items will be analyzed if checked,	
y The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.	
2/ Nitrogen cycle requires separate sample. 3/ Total Iron requires separate sample.	Organic Nitrogen · · · · · · · · · · · · · · · · · · ·
TWDBS-\$1-27	Analyst Checked By

\mathcal{L}	-
\sim	
Typewrite (Black ribbon) or Print Plainly (soft pencil or black ink) Do not use ball point pen	TWDB USE ONLY
Texas State Department of Health Laboratories 1100 West 49th Street	Program No.
Austin, Texas 78756	Proj. No
CHEMICAL WATER A	ANALYSIS REPORT
Send report to:	State Well No. 18 50 80 A
Ground Water Data and Protection Division Texas Water Development Board	
P.O. Box 13087 Austin, Texas 78711	Date Collected 06-06-59
Location at Fire Sta	
Source (type of well) Owner Owner For For Owner For For Owner For	RISCO
Producing intervals Water level	
Sampled after pumping hrs. Yield	GPM meas. Temperature °F °C
	Appearance 🗋 clear 🖬 turbid 🗋 colored 🗋 other
Use P.S. Remarks	
(FOR LABORATORY USE ONLY) CHEMICAL A	
Laboratory No Date Received Date Received MG/L ME/L	KEY PUNCHED Date Reported MG/L ME/L
Silica · · · · · · ·	
Calcium · · · · · · · · · · 2	
	Sulfate
Sodium · · · · · · · · · · · 263 111.44	Chloride
Total 111.62	
Manganese · · · · · · · · · · · · · · · · · ·	рН · · · · · · · ·
□ Boron · · · · · · ·	1/ Dissolved Solids (sum in MG/L) · · · · · · · 756
3/ Total Iron	Phenolphthalein Alkalinity as C aCO3 · · · · ·
(other) MG/L	Total Alkalinity as $CaCO_3$ · · · · · · · · · · · · · · · · · · ·
Specific Conductance (micromhos/cm ³)	Total Hardness as C aCO ₃ · · · · · · · ·
Diluted Conductance (micromhos/cm ³)X	2/ Nitrogen Cycle Ammonia - N · · · · · · · · · · · · · · · · ·
" 🗖 " items will be analyzed if checked.	Nitrite - N · · · · · · · · · · · · · · · · · ·
${\cal Y}$ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.	
2/Nitrogen cycle requires separate sample. 3∕ Total Iron requires separate sample.	Organic Nitrogen · · · · · · · · · · ·
TWDBS SI-27	Analyst Checked By

DT 1850 BO2 UNITED STATS DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY WATER RESOURCES BRANCH ANALYTICAL STAT ENT (Parts per million) Collin County 1943 Location Trinco, Texas Use Public supply Date Feb. 17 SiO2 13 Color _____ Source well 1.680 ft. deep: Fe 0.03 Suspended matter Ca 2+3 Mg 0+6
 suspended matter
 Ca

 pumping 6 fo 5 hours at
 flardness (calc.)
 Mg

 75 GPN;
 Ignition loss
 Mg

 will # /
 Ignition loss
 K

 send analysis te
 Total dissolved solids
 690

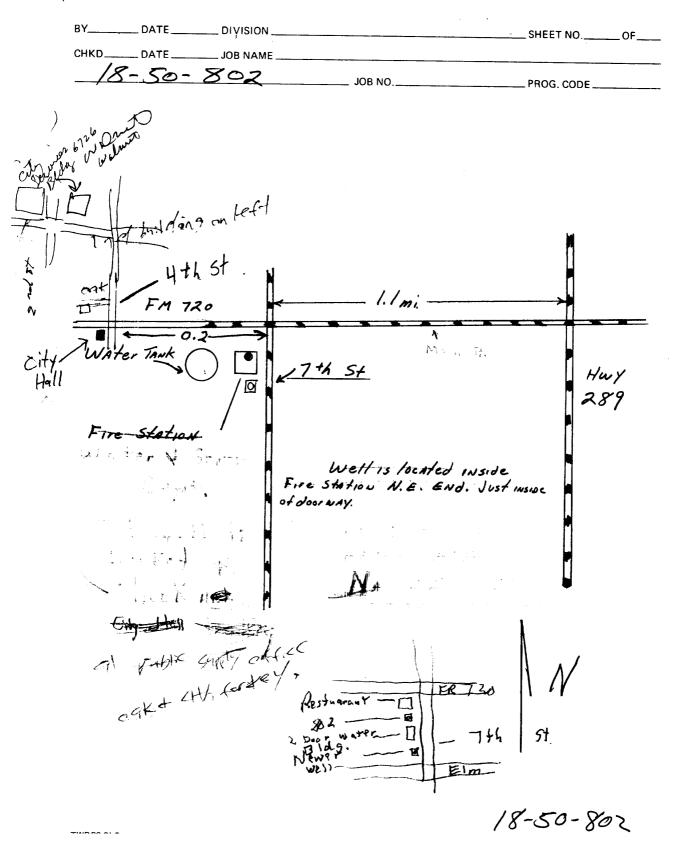
 Jeff Black
 K×10⁵ at 25°C.
 HCO,

 Box 132, Frisce
 pl
 5.2
 3.2 52 576 470 **pli 5.2** SO4 <u>96</u> 19 CL Palerty ۰۰۰۰۰ F... 0.9 2.5 NO₈ KEY PUNCHED ____ Sum **693** Collector R. P. Livingston

M-04877

۰. VELOPHENT BOA WELL SCHEDULE State Wall to 18 50.802 Aquifer PALUXY NORTH OF FIRE STATION N.E. OF WATER TANK 2. Owner: City of FRISCO EYERS Drl Driller: determined by USHS TOPO. 50 Elevat Dug, Cable CASTNG 4 Cer Rept. Setting, ft. Diam. (in.) Open Hole, Straight Wall, Type Subm Tacke 858 Steel , Bowls Dism. in., Setting 605 7 696 1440 in., Length Tailpipe 11 Column Diss. 8. Notor: Fuel <u>£466</u> Hake & Model HP. 9. <u>Yield:</u> Flow gra, Pump <u>21</u> 20 Kased, Rept., Est. <u>8-21-73</u> 145 (80' lopus ta) 5 StRAINER 1428 1632 Length of Test 10. Performance Test: Date Last 100' sto stotled Static Level gon/ft. -- ft. above surface. 173 mm LSD-AIRLING -18-176 11. Water Level: 44 which is ft. above surface. 440.0 n. 4 de. 440. n. -- ft. above which is _____ 3 15 Observation Not Used, Irr., Waterfloodin 12. <u>Use</u>: Dom., Stock 13. Quality 4-51 Laborat TSOH. analysis č malyaia 6-6-59 Labora -11 Setting, f Dism. (in.) 170 3-18-16 Leboratory Electric Log. Perf 1440 1632 as circled: 💋 5 OhN DERTON- P. NORS STERY 1973 15. Becord by: at Data WATER SAPT. + DrL A.S. SETCA AIRLINE 9620 + WSE BUL McLain C collected from took of the covering 2 min of chin of <u>M.P. 0.00</u> Air Line F.M.720 will get 2 samples for possible conglest 2 not on my but - sec if we got them before; WATER N TANK Hwy D Fire STATA 20 Temp 118°F Π NEW Vi 18-50-802 (Sketch) TWD8E-WD-2

TEXAS WATER DEVELOPMENT BOAI



TEXAS DEPARTMENT OF WATER RESOURCES-WATER LE EL MEAS
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AS OF 05-01-84

05-01-84 COORDINATES 096-49-16W

🖪 Normal 🗆 Publ.

OLD WELL NUMBER

YR. REC. BEGINS			LAST	CHEMICAL AN	ALYS	SIS	03	-7	6
73 STATE WELL NUMBER DT DEPTH OF WELL 1632	-18-50-802		LAN COM	ID SURFACE DA	TUM E	ELE'		DN •16	705.00 32
DATE OF CURRENT MEASUREMENT MO. DAY YR.	D LEVEL SINCE	Measurement Number	DEPTH TO WATER FROM MP	MP		Method	RKS	WELL USE	FIELD OBSERVATIONS
08 21 73 415.0	0		415.00	+0.00	09	3		1	
11 06 73 443.0	0 -28.00		443.00	+0.00	01	3		1	
11 05 74 440.0	0 +3.00		440.00	+0.00	01	3		1	
11 26 75 435.0	0 +5.00		435.00	+0.00	01	3		1	
03,18,76 402.0	0 +33.00		402.00	+0.00	01	3		1	
11 22 76 437.0	0 -35.00		437.00	+0.00	01	3		1	
11 14 77 519.0	0 -82.00		519.00	+0.00	01	3	02	1	
10 03 78 522.0	-3.00		522.00	+0.00	01	3	02	1	
12 79 470.0	+52.00		470.00	+0.00	09	3		1	
12 79 520.0	-50.00	2	520.00	+0.00	09	3	02	1	
05 02 80				+0.00	01	 	42	1	
10 15 80 502.0	00		502.00	+0.00	01	3	02	1	
03 16 82 545.1	-43.00		545.00	+0.00	01	3	02	1	
03 17 83 522.1	+23.00		522.00	+0.00	01	3		1	
03,27,84 510.	12.00		510.00	+0.00	01	3		M	
3 15 85 530.	00		530.00	0.00	1-	3		7	
3 7 186 527	00		52700	0.00	1	3		n	
× /1/010 8000			2070					<i>,1</i> .	
114 88 532.00			532.00	<u> </u>	1/	2	+	11	
	74		5.13.33	+ 0.90	21	¥,		rr	•

No. We compare the state of the state of

AQUIFER 138 - PALUXY FORMATION

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WATERSHED 08 - TRINITY RIVER BASIN

COUNTY 043 - COLLIN

CURRENT 18-50-802

TDWR-0518

TEXA VATER DEVELOPMENT ARD WATER LEVEL OBSERVATION WELL REPORT

STATE WELL NUMBER 18 - 50- 802 ELEVATION OF LAND SURFACE WATER USE EPTH OF WELL MEASUREMENT METHOD DATE OF CURRENT WEASUREMENT MEASUREMENT CURRENT CHANCE IN ELEVATION OF WATER LEVEL REMARKS MEASURING WEASURING AGENCY FIELD OBSERVATIONS LEVEL SINCE LAST STATIC DEPTH TO WATER FROM LAND SURFACE MEASUREMENT YEAR O DAY 3 UNUSED 0.00 01 514,0 01 91 10 MCASCred wrong well - 1 23 92 mensured wellow southside 3 93 562.00 01 01 10-00 19 577.0 3 94 \mathcal{O} ź 3 61 Ľ 95 2 - 542 61 43 9E l'éc 7:40 unalle to uste ÔĪ Iach 5 81 98 ĺ 2 628,00 99 01 9 2 8 52 REMOVE 4 00 U Π Mp=1.5 S 677.90 <u>Km</u> PUC PLUG 01 7 40 U 11 08 02 211 -

18-50-802

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× · · ·					
	. :				
	TEXAS WATER DEVELOPMENT	BOARD			
	WELL SCHEDULE				
01.			n -		
Aquiser_Palvxy	Field No	State Well N	<u>~_785</u>	<u>6. 804</u>	
/	Owner's Well No.	County	COLL	10	
1. Location:1/4,1/4 Sec	Block Survey				
				· - + - +	_+
2. Owner: CITY OF FRISCO				-	i l
Tenent: Driller: J.L. MYERS & Sov	Address:			-	
Driller: J. L. MYERS & SOM	Address:				
3. Elevation of LS 4. Drilled: 19.24;	is705ft. above msl, determi	ned by	<u>o</u>		
4. Drilled: 19.24;	Dug, Cable Tool Rotary,		CASING & BLA	NK PTPR	
5. Depth: Rept. 1680 st. Meas.	ft.	Cemented Fr	om1	t. to	_ft.
6. <u>Completion</u> : Open Hole, Streight Wall, Underr		Diam. (in.)	Туре	Setting, from	ft. to
7. Pump: Mfgr.		10			
No. Stages, Bowls Diamin. Column Diamin., Length Tai		•			
8. <u>Motor</u> : FuelMake & 9. <u>Yield</u> : Flowgpm, Pump75gpm,	Hodel HP.			• ┥ ┥ -	
10. Performance Test: DateLength				• ┥ ╾ ー ー ー ┥ -	
Static Levelft. Pumping Level	_ft. Drawdownft.				
	apacitygpm/ft.				
	19 24 above		which is	ft. abov	e surface. W
17M rt. rept. 3-10	197 above NO PHACE TA	Mence		ft. Bboy	e surface.
ft. rept.			which is	ft. abov	e surface.
et rept.	10 above		which is	ft. Sbov	e surfere
	below Charles Charles Charles	Acres A	alal -	¹⁰ belo	w
12. Use: Dom., Stock, Lublic Supply, Ind.,	irr., waterilooding, observation, Not U	seu, seuper		724/5	
13. Quality: (Remarks on taste, odor, color, etc					
Temp°F, Date sampled for analysis_	2-17-43 Laboratory USGS		WELL SC	REEN	
Temp °F, Date sampled for analysis	Laboratory	Screen	Dpenings Type	Setting,	
Temp °F, Date sampled for analysis	Laboratory	(in.)	13pe	from	to
14. Other data available as circled: Driller's L					
Formation Samples, Pumping Test,					
15. Record by: PAGROSTROM		6			
Source of Data Abs. AITY	11.5.6.5 records				
				•	
				·	

TWDBE-WD-2

500 - 802 (Sketch)

18-50-804

	•••
Typewrite (Black ribbon) or Print Plainly 👘 🐅 {soft pencil or black ink) Do not use ball point pen	TWDBE-GW ONLY
Taxas Casts Department of Hurlin-shoratories	Program No
1400 Wast 1916 Street	Proj. No
USGS	
Send report to:	10-0-190
Ground Water Data and Protection Division Texas Water Development Board	State Well No. 79 59 60
P.O. Box 13087	
Austin, Texas 78711	Date Collected
	By USGS
Location	
Source (type of well) AIR PUMP Owner CI Date Drilled 1924 Depth 1680 ft. WBF	n i
Producing intervals Water level Sampled after pumping hrs. Yield	
Sampled after pumping hrs. Yield	
Point of collection	Appearance Clear Curbid Colored Cot
UseRemarks	······································
(FOR LABORATORY USE ONLY)	
CHEMICAL	ANALYSIS KEY PUNCHED
Laboratory No Date Received _	Date Reported
	MG/L ME/L
Silica · · · · · · · · · · · · · · · · · · ·	Carbonate · · · · ·
	Bicarbonate
┠┼┼┦╻┡┩╷┼┼┤	
Magnesium · · · · · · ·	Sulfate · · · · · · · · · · · · · · · · · · ·
	Chloride
└ <u>╷┍┙╷╔┥</u>	┝┥╸┝╾┼┼┼┤┝┸┼╄┽┽┾╌┾┑
Total •	Fluoride
Potassium · · · · · 3 2	Nitrate · · · · · 2 5
Manganese	
□ Boron · · · · · · · · · SAR	
	1/ Dissolved Solids (sum in MG/L) · · · · · · · · · · · · · · · · · · ·
	17 Dissolved Solids (sum in MG/L) · · · · · · · · · · · · · · · · · · ·
Total Iron MG/L	
	Phenolphthalein Alkalinity as C aCO ₃ · · · · ·
(other) MG/L	Phenolphthalein Alkalinity as C aCO ₃ · · · · · · · · · · · · · · · · · · ·
Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Diluted Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³)	Phenolphthalein Alkalinity as C aCO ₃ · · · · · · · · · · · · · · · · · · ·
Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Diluted Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³)	Phenolphthalein Alkalinity as C aCO ₃ · · · · · · · · · · · · · · · · · · ·
Image: style="text-align: center;">Image: style="text-align: center;"/> (style="text-align: center;"/> (style="text-align: ce	Phenolphthalein Alkalinity as C aCO ₃ · · · · · · · · · · · · · · · · · · ·
Image: Second conductance MG/L Specific Conductance (micromhos/cm ³) Image: Second conductance Diluted Conductance (micromhos/cm ³) Image: Second conductance Image: Second conductance Image: Second conductance	Phenolphthalein Alkalinity as C aCO ₃ · · · · · · · · · · · · · · · · · · ·
Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Diluted Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Diluted Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³) Image: Conductance (micromhos/cm ³)	Phenolphthalein Alkalinity as C aCO ₃ · · · · · · · · · · · · · · · · · · ·



Water Well Report[™]

DISCLAIMER/DETAILS

Banks Environmental Data, Inc. has performed a thorough and diligent search of all wells recorded with Texas state agencies. All mapped locations are based on information obtained from the originating agency. Although Banks performs quality assurance and quality control on all research projects, we recognize that any inaccuracies of the records and mapped well locations could be traced to the appropriate regulatory authority or driller. Many water well schedules may have never been submitted to the regulatory authority by the driller and, may explain the possible unaccountability of privately drilled wells. Therefore, Banks Environmental Data, Inc. cannot guarantee the accuracy of the data or well locations of those maps and records maintained by the Texas regulatory authorities. Banks Environmental Data, Inc. Water Well Report™ is prepared from existing state water well databases and additional file research conducted at Texas' regulatory authorities. Submission of driller's log records became mandatory in 1985. The state of Texas has processed these records in several different filing systems within two state regulatory authorities. The water well files, records and map locations are maintained by the Texas Commission on Environmental Quality (TCEQ) and the Texas Water Development Board (TWDB). Actual water well site locations of this report are geocoded and geoplotted directly from the drilling records, drilling schedules, and driller's logs and maps submitted by the water well driller and maintained at these two primary water well regulatory authorities. Below is a description of the filing systems accessed for well drilling records.

The Texas Water Development Board (TWDB) maintains two datasets of located water well records:

1) TWDB Groundwater Data GW - A registered water well driller is required by law to send in a report to the State for every well that is drilled. This requirement began in 1966. TWDB GW wells are assigned a State Identification Number unique to that well (ie: 65-03-4 01.) Where exact latitude/longitude data was not provided by the driller, latitude and longitude were assigned that locate the well in the center of a 2 ½-minute grid on a topographic map. Records may also include analytical data.

2) TWDB Submitted Drillers Reports WIID - The Submitted Driller's Report Database is populated from the online Texas Well Report Submission and Retrieval System which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports. This system was started 2/5/01 and is optional for the drillers to use. Reports that drillers submit by mail are geoplotted/geocoded by a TWDB staff member. WIID wells are assigned a unique tracking number by the Texas Well Report Submission and Retrieval System. (ie: 972 63, 9416)

The Texas Commission on Environmental Quality (TCEQ) maintains two datasets of water well records. Where TCEQ's datasets are included in the Banks Environmental Data, Inc. Water Well Report, a description and example identifier are listed below.

1) Water Utility Database - This database contains a collection of data from Texas Water Districts, Public Drinking Water Systems and Water and Sewer Utilities who submit information to the TCEQ.

Public Water Systems Database PWS - The Public Water Systems records included in the WUD report are obtained digitally from TCEQ. The PWS database does not contain Drillers Reports or analytical data. The PWS Watersource name is the unique identifier in Banks Reports (StateID- S2200199A, G2200322A). Public water system IDs that begin with 'G' are groundwater wells. PWS IDs that begin with 'S' are surface intakes.

2) TCEQ Central Records - Several different types of Driller's Reports are filed with TCEQ Central Records.

A) Plotted Water Well Reports - Plotted Well logs are filed at TCEQ Central File Room based on county name, and grid number. Water well site locations are documented on the logs by the drillers. The accuracy and location of the Plotted wells are relative to the information provided on the drillers report. (ie: 65-59-1)

From 1991 to the 2001, Texas Well Reports contain a grid location box, where drillers mark an X to indicate where the well is located within the 2.5 minute quadrant. These locations have not been verified by the state.

B) Partially Numbered Well Completion Reports that were provided a State Identification Number by the TWDB that establishes the well location somewhere within a 2.5 minute quadrant of a 7.5 minute quadrangle map. This method was the standard procedure from 1986 through 1991.

Some of the historical well logs have a letter following the grid number. TWDB assigned letters to the correlating grid number to identify these wells (ie: 65-59-1A). In some instances, a single well number can represent more than one well location. This type of mapping and filing procedure ceased in June 1986.

Local Groundwater Conservation Districts/Subsidence Districts maintain separate databases from state agencies. Duplicates groundwater wells are likely between local GCDs/GSDs and TWDB and TCEQ databases.

Where reasonably ascertainable, local GCD/SD data are included in the water well report. For example, in the Harris/Galvest on area the Harris Galveston Subsidence District dataset is included in the report. (ie: HGSD1234) HGSD does not maintain well completion logs.

U.S. Geological Survey (USGS) maintains The National Water Information System (NWIS)Inventory. Banks water well report includes NWIS inventory (ie: USGS1234).

1601 Rio Grande Suite 500 Austin, Texas 78701 PH 512.478.0059 FAX 512.478.1433 E-mail banks@banksinfo.com

Exide APAR Page 796 of 2984

Appendix 6

Monitoring Well Records

STATE OF TEXAS WELL REPORT for Tracking #317602						
Owner:	Exide		Owner Well #:	PMW19		
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8		
Well Location:	SAME TX		Latitude:	33° 08' 37" N		
Well County:	Collin		Longitude:	096° 49' 42" W		
Elevation:	No Data		GPS Brand Used:	Google Earth		
Type of Work:	New Well		Proposed Use:	Monitor		
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013				
Diameter of Hol	le:	Diameter: 8.25 in Fror	n Surface To 20 ft			
Drilling Method:	:	Hollow Stem Auger				
Borehole Comp	letion:	Other: 20/40 Sand				
Annular Seal Data:		2nd Interval: From 2 ft 3rd Interval: From 4 ft Method Used: by hand Cemented By: SCI Distance to Septic Fiel Distance to Property L Method of Verification:	1st Interval: From 0 ft to 2 ft with 1 cement (#sacks and material) 2nd Interval: From 2 ft to 4 ft with 1 bentonite (#sacks and material) 3rd Interval: From 4 ft to 20 ft with 10 sand (#sacks and material) Method Used: by hand Cemented By: SCI Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data			
Surface Comple	etion:	Surface Slab Installe	k			
Water Level:		Static level: No Data Artesian flow: No Data				
Packers:		No Data				
Plugging Info:		Casing or Cement/Ber	Casing or Cement/Bentonite left in well: No Data			
Type Of Pump:		No Data				
Well Tests:		No Data				
Water Quality:		Type of Water: No Dat Depth of Strata: No Da Chemical Analysis Ma Did the driller knowing constituents: No	i ta de: No	nich contained undesirable		
Certification Da	ta:	under the driller's direct herein are true and co	rect. The driller understo	I (or the well was drilled ach and all of the statemer ood that failure to complete returned for completion an		
Company Inforr	nation:	SCI 5070 Brush Creek Ro Fort Worth , TX 7611				

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317602) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-20ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-5ft s40 2in new pvc screen 5-20ft 0.010

Owner:	Exide		Owner Well #:	PMW20R			
Address:	7471 5th Ave		Grid #:	18-50-8			
Addless.	Frisco, TX			10-30-0			
Well Location:	SAME TX		Latitude:	33° 08' 37" N			
Well County:	Collin		Longitude:	096° 49' 42" W			
Elevation:	No Data		GPS Brand Used:	Google Earth			
Type of Work:	New Well		Proposed Use:	Monitor			
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013	3				
Diameter of Ho	le:	Diameter: 8.25 in Fro	om Surface To 25 ft				
Drilling Method	:	Hollow Stem Auger					
Borehole Comp	etion:	Other: 20/40 Sand					
Annular Seal Data:		2nd Interval: From 2 3rd Interval: From 8 f Method Used: by har Cemented By: SCI Distance to Septic Fie Distance to Property Method of Verification	1st Interval: From 0 ft to 2 ft with 1 cement (#sacks and material) 2nd Interval: From 2 ft to 8 ft with 4 bentonite (#sacks and material) 3rd Interval: From 8 ft to 25 ft with 10 sand (#sacks and material) Method Used: by hand Cemented By: SCI Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data				
Surface Comple	etion:	Surface Slab Installe	Surface Slab Installed				
Water Level:		Static level: No Data Artesian flow: No Dat	a				
Packers:		No Data					
Plugging Info:		Casing or Cement/Be	Casing or Cement/Bentonite left in well: No Data				
Type Of Pump:		No Data	No Data				
Well Tests:		No Data					
Water Quality:		Type of Water: No Da Depth of Strata: No D Chemical Analysis Ma Did the driller knowing constituents: No)ata ade: No	nich contained undesirable			
Certification Da	ta:	under the driller's dire herein are true and co	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the stateme herein are true and correct. The driller understood that failure to complet the required items will result in the log(s) being returned for completion ar resubmittal.				
~	mation:	SCI					
Company Inforr		5070 Brush Creek R Fort Worth , TX 761					

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317603) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-25ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-10ft s40 2in new pvc screen 10-25ft 0.010

STATE OF TEXAS WELL REPORT for Tracking #317599							
Owner:	Exide		Owner Well #:	LMW21			
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8			
Well Location:	SAME TX		Latitude:	33° 08' 37" N			
Well County:	Collin		Longitude:	096° 49' 42" W			
Elevation:	No Data		GPS Brand Used:	Google Earth			
Type of Work:	New Well		Proposed Use:	Monitor			
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013					
Diameter of Ho	le:	Diameter: 8.25 in Fron	n Surface To 25 ft				
Drilling Method:	:	Hollow Stem Auger					
Borehole Comp	letion:	Other: 20/40 Sand					
Annular Seal Data:		2nd Interval: From 2 ft 3rd Interval: From 8 ft Method Used: by hand Cemented By: SCI Distance to Septic Field Distance to Property Li Method of Verification:	1st Interval: From 0 ft to 2 ft with 1 cement (#sacks and material) 2nd Interval: From 2 ft to 8 ft with 4 bentonite (#sacks and material) 3rd Interval: From 8 ft to 25 ft with 10 sand (#sacks and material) Method Used: by hand Cemented By: SCI Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data				
Surface Comple	etion:	Surface Slab Installed	i				
Water Level:		Static level: No Data Artesian flow: No Data					
Packers:		No Data					
Plugging Info:		Casing or Cement/Ben	Casing or Cement/Bentonite left in well: No Data				
Type Of Pump:		No Data					
Well Tests:		No Data					
Water Quality:		Type of Water: No Dat Depth of Strata: No Da Chemical Analysis Mac Did the driller knowingl constituents: No	ta de: No	nich contained undesirable			
Certification Da	ta:	under the driller's direc herein are true and cor	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the stateme herein are true and correct. The driller understood that failure to complet the required items will result in the log(s) being returned for completion a resubmittal.				
Company Inforr	mation:	SCI 5070 Brush Creek Rd					
		Fort Worth, TX 7611	9				

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317599) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-25ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-10ft s40 2in new pvc screen 10-25ft 0.010

-			RT for Tracking #3176				
Owner:	Exide		Owner Well #:	LMW22			
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8			
Well Location:	SAME TX		Latitude:	33° 08' 37" N			
Well County:	Collin		Longitude:	096° 49' 42" W			
Elevation:	No Data		GPS Brand Used:	Google Earth			
Type of Work:	New Well		Proposed Use:	Monitor			
Drilling Date:		Started: 2/26/2013 Completed: 3/28/201	3				
Diameter of Ho	le:	Diameter: 8.25 in Fro	om Surface To 20 ft				
Drilling Method:	:	Hollow Stem Auger					
Borehole Comp	letion:	Other: 20/40 Sand					
Annular Seal Data:		2nd Interval: From 2 3rd Interval: From 4 Method Used: by ha Cemented By: SCI Distance to Septic Fi Distance to Property Method of Verification	1st Interval: From 0 ft to 2 ft with 1 cement (#sacks and material) 2nd Interval: From 2 ft to 4 ft with 1 bentonite (#sacks and material) 3rd Interval: From 4 ft to 20 ft with 10 sand (#sacks and material) Method Used: by hand Cemented By: SCI Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data				
Surface Completion:		Surface Slab Install	ed				
Water Level:		Static level: No Data Artesian flow: No Da t	a				
Packers:		No Data					
Plugging Info:		Casing or Cement/Be	Casing or Cement/Bentonite left in well: No Data				
Type Of Pump:		No Data					
Well Tests:		No Data					
Water Quality:		Type of Water: No D a Depth of Strata: No D Chemical Analysis M Did the driller knowin constituents: No)ata ade: No	nich contained undesirable			
Certification Da	ta:	under the driller's dire herein are true and c	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the stateme herein are true and correct. The driller understood that failure to comple the required items will result in the log(s) being returned for completion a resubmittal.				
Company Inforr	mation:	SCI	4				
		5070 Brush Creek R Fort Worth,TX 761					

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317601) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-20ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-5ft s40 2in new pvc screen 5-20ft 0.010

Page	1	of 2
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STATE OF TEXAS WELL REPORT for Tracking #317586					
Owner:	Exide		Owner Well #:	MW21,MW22	
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8	
Well Location:	SAME TX		Latitude:	33° 08' 37" N	
Well County:	Collin		Longitude:	096° 49' 42" W	
Elevation:	No Data		GPS Brand Used:	Google Earth	
Type of Work:	New Well		Proposed Use:	Monitor	
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013			
Diameter of Ho	le:	Diameter: 8.25 in From	Surface To 15 ft		
Drilling Method:	:	Hollow Stem Auger			
Borehole Comp	letion:	Other: 20/40 Sand			
Annular Seal Data:		1st Interval: From 0 ft to 2nd Interval: From 1 ft f 3rd Interval: From 2 ft t Method Used: by hand Cemented By: SCI Distance to Septic Field Distance to Property Lir Method of Verification: I Approved by Variance:	to 2 ft with 1 bentonite o 15 ft with 6 sand (#s or other Concentrated he: No Data No Data	(#sacks and material)	
Surface Completion:		Surface Slab Installed			
Water Level:		Static level: No Data Artesian flow: No Data			
Packers:		No Data			
Plugging Info:		Casing or Cement/Bent	onite left in well: No Dat	a	
Type Of Pump:		No Data			
Well Tests:		No Data			
Water Quality:		Type of Water: No Data Depth of Strata: No Dat Chemical Analysis Mad Did the driller knowingly constituents: No	a e: No	nich contained undesirable	
Certification Da	ta:	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statem herein are true and correct. The driller understood that failure to complet the required items will result in the log(s) being returned for completion resubmittal.		ach and all of the statemer bod that failure to complete	
Company Inforr	nation:	SCI 5070 Brush Creek Rd			
		Fort Worth , TX 76119			

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317586) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-15ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-2.5ft s40 2in new pvc screen 2.5-15ft 0.010

STATE OF TEXAS WELL REPORT for Tracking #317588					
Owner:	Exide		Owner Well #:	MW23	
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8	
Well Location:	SAME TX		Latitude:	33° 08' 37" N	
Well County:	Collin		Longitude:	096° 49' 42" W	
Elevation:	No Data		GPS Brand Used:	Google Earth	
Type of Work:	New Well		Proposed Use:	Monitor	
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013			
Diameter of Hol	le:	Diameter: 8.25 in From	n Surface To 20 ft		
Drilling Method:	:	Hollow Stem Auger			
Borehole Comp	letion:	Other: 20/40 Sand			
Annular Seal Da	ata:	2nd Interval: From 2 ft 3rd Interval: From 4 ft Method Used: by hand Cemented By: SCI	d or other Concentrated (ne: No Data No Data	(#sacks and material) sacks and material)	
Surface Comple	Surface Completion: Surface Slab Installed				
Water Level:		Static level: No Data Artesian flow: No Data			
Packers:		No Data			
Plugging Info:		Casing or Cement/Ben	tonite left in well: No Dat	а	
Type Of Pump:		No Data			
Well Tests:		No Data			
Water Quality:		Type of Water: No Dat Depth of Strata: No Da Chemical Analysis Mac Did the driller knowingl constituents: No	ta de: No	nich contained undesirable	
Certification Da	ta:	under the driller's direc herein are true and cor	rect. The driller understo	I (or the well was drilled ach and all of the statemer ood that failure to complete returned for completion an	
Company Inforr	nation:	SCI 5070 Brush Creek Rd Fort Worth , TX 7611	9		

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

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Please include the report's Tracking number (Tracking #317588) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-6ft brown clay 6-20ft tan clay CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 2in new pvc riser 0-5ft s40 2in new pvc screen 5-20ft 0.010

STATE OF TEXAS WELL REPORT for Tracking #317589					
Owner:	Exide		Owner Well #:	MW24	
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8	
Well Location:	SAME TX		Latitude:	33° 08' 37" N	
Well County:	Collin		Longitude:	096° 49' 42" W	
Elevation:	No Data		GPS Brand Used:	Google Earth	
Type of Work:	New Well		Proposed Use:	Monitor	
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013			
Diameter of Hol	le:	Diameter: 8.25 in Fron	n Surface To 30 ft		
Drilling Method:	:	Hollow Stem Auger			
Borehole Comp	letion:	Other: 20/40 Sand			
Annular Seal Da	ata:	2nd Interval: From 2 ft 3rd Interval: From 12 f Method Used: by hand Cemented By: SCI	t to 30 ft with 10 sand (i l d or other Concentrated (ne: No Data No Data	e (#sacks and material) #sacks and material)	
Surface Comple	etion:	Surface Slab Installed	I		
Water Level:		Static level: No Data Artesian flow: No Data			
Packers:		No Data			
Plugging Info:		Casing or Cement/Ben	tonite left in well: No Dat	а	
Type Of Pump:		No Data			
Well Tests:		No Data			
Water Quality:		Type of Water: No Dat Depth of Strata: No Da Chemical Analysis Mac Did the driller knowingl constituents: No	ta le: No	nich contained undesirable	
Certification Da	ta:	under the driller's direc herein are true and cor	rect. The driller understo	I (or the well was drilled ach and all of the statemer ood that failure to complete returned for completion an	
Company Inforr	nation:	SCI 5070 Brush Creek Rd Fort Worth , TX 7611	a		
			5		

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317589) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-30ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-15ft s40 2in new pvc screen 15-30ft 0.010

STATE OF TEXAS WELL REPORT for Tracking #317590					
Owner:	Exide		Owner Well #:	MW25	
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8	
Well Location:	SAME TX		Latitude:	33° 08' 37" N	
Well County:	Collin		Longitude:	096° 49' 42" W	
Elevation:	No Data		GPS Brand Used:	Google Earth	
Type of Work:	New Well		Proposed Use:	Monitor	
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013			
Diameter of Hol	le:	Diameter: 8.25 in From	n Surface To 22 ft		
Drilling Method:	:	Hollow Stem Auger			
Borehole Comp	letion:	Other: 20/40 Sand			
Annular Seal Da	ata:	2nd Interval: From 2 f 3rd Interval: From 4 ft Method Used: by han Cemented By: SCI	d or other Concentrated (ine: No Data No Data	(#sacks and material) sacks and material)	
Surface Completion: Surface Slab Installed					
Water Level:		Static level: No Data Artesian flow: No Data	ı		
Packers:		No Data			
Plugging Info:		Casing or Cement/Ber	Casing or Cement/Bentonite left in well: No Data		
Type Of Pump:		No Data			
Well Tests:		No Data			
Water Quality:		Type of Water: No Da Depth of Strata: No Da Chemical Analysis Ma Did the driller knowing constituents: No	a ta de: No	nich contained undesirable	
Certification Da	ta:	under the driller's direc herein are true and co	rrect. The driller understo	I (or the well was drilled ach and all of the statemer ood that failure to complete returned for completion an	
Company Inforr	nation:	SCI 5070 Brush Creek Ro Fort Worth , TX 7611			

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317590) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0-6ft brown clay 6-22ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-7ft s40 2in new pvc screen 7-22ft 0.010

CASING, BLANK PIPE & WELL SCREEN DATA

Owner:	Exide		Owner Well #:	MW26,MW27
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8
Well Location:	SAME TX		Latitude:	33° 08' 37" N
Well County:	Collin		Longitude:	096° 49' 42" W
Elevation:	No Data		GPS Brand Used:	Google Earth
Type of Work:	New Well		Proposed Use:	Monitor
Drilling Date:		Started: 2/26/2013 Completed: 3/28/201	13	
Diameter of Ho	le:	Diameter: 8.25 in Fr	om Surface To 15 ft	
Drilling Method	:	Hollow Stem Auger	r	
Borehole Comp	letion:	Other: 20/40 Sand		
Annular Seal D	ata:	2nd Interval: From 2 3rd Interval: From 4 Method Used: by ha Cemented By: SCI	ield or other Concentrated Line: No Data m: No Data	(#sacks and material) acks and material)
Surface Comple	etion:	Surface Slab Instal	led	
Water Level:		Static level: No Data Artesian flow: No Da		
Packers:		No Data		
Plugging Info:		Casing or Cement/B	entonite left in well: No Dat	a
Type Of Pump:		No Data		
Well Tests:		No Data		
Water Quality:		Type of Water: No D Depth of Strata: No Chemical Analysis M Did the driller knowir constituents: No	Data	nich contained undesirable
Certification Da	ta:	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statem herein are true and correct. The driller understood that failure to complet the required items will result in the log(s) being returned for completion resubmittal.		ach and all of the statemer bod that failure to complete
Company Inforr	mation:	SCI 5070 Brush Creek I		
		Fort Worth , TX 76	119	

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317591) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-15ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-5ft s40 2in new pvc screen 5-15ft 0.010

STATE OF TEXAS WELL REPORT for Tracking #317593					
Owner:	Exide		Owner Well #:	MW28	
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8	
Well Location:	SAME TX		Latitude:	33° 08' 37" N	
Well County:	Collin		Longitude:	096° 49' 42" W	
Elevation:	No Data		GPS Brand Used:	Google Earth	
Type of Work:	New Well		Proposed Use:	Monitor	
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013			
Diameter of Hol	le:	Diameter: 8.25 in Fror	n Surface To 20 ft		
Drilling Method:	:	Hollow Stem Auger			
Borehole Comp	letion:	Other: 20/40 Sand			
Annular Seal Da	ata:	2nd Interval: From 2 ft 3rd Interval: From 4 ft Method Used: by hand Cemented By: SCI	d or other Concentrated (ne: No Data No Data	(#sacks and material) sacks and material)	
Surface Comple	Surface Completion: Surface Slab Installed				
Water Level:		Static level: No Data Artesian flow: No Data			
Packers:		No Data			
Plugging Info:		Casing or Cement/Ben	Casing or Cement/Bentonite left in well: No Data		
Type Of Pump:		No Data			
Well Tests:		No Data			
Water Quality:		Type of Water: No Dat Depth of Strata: No Da Chemical Analysis Mac Did the driller knowingl constituents: No	i ta de: No	nich contained undesirable	
Certification Da	ta:	under the driller's direct herein are true and cor	rect. The driller understo	I (or the well was drilled ach and all of the statemer ood that failure to complete returned for completion an	
Company Inforr	nation:	SCI 5070 Brush Creek Rd Fort Worth , TX 7611			

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317593) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-20ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-5ft s40 2in new pvc screen 5-20ft 0.010

r	STATE OI	F TEXAS WELL REPOR	T for Tracking #3175	98	
Owner:	Exide		Owner Well #:	MW29	
Address:	7471 5th Ave Frisco , TX		Grid #:	18-50-8	
Well Location:	SAME TX		Latitude:	33° 08' 37" N	
Well County:	Collin		Longitude:	096° 49' 42" W	
Elevation:	No Data		GPS Brand Used:	Google Earth	
Type of Work:	New Well		Proposed Use:	Monitor	
Drilling Date:		Started: 2/26/2013 Completed: 3/28/2013			
Diameter of Hol	le:	Diameter: 8.25 in From	n Surface To 15 ft		
Drilling Method:	:	Hollow Stem Auger			
Borehole Comp	letion:	Other: 20/40 Sand			
Annular Seal Data:		2nd Interval: From 2 f 3rd Interval: From 4 ft Method Used: by han Cemented By: SCI Distance to Septic Fie Distance to Property L Method of Verification:	1st Interval: From 0 ft to 2 ft with 1 cement (#sacks and material) 2nd Interval: From 2 ft to 4 ft with 1 bentonite (#sacks and material) 3rd Interval: From 4 ft to 15 ft with 8 sand (#sacks and material) Method Used: by hand Cemented By: SCI Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data		
Surface Comple	etion:	Surface Slab Installed			
Water Level:		Static level: No Data Artesian flow: No Data	I		
Packers:		No Data			
Plugging Info:		Casing or Cement/Ber	Casing or Cement/Bentonite left in well: No Data		
Type Of Pump:		No Data			
Well Tests:		No Data			
Water Quality:		Type of Water: No Da Depth of Strata: No Da Chemical Analysis Ma Did the driller knowing constituents: No	ata de: No	nich contained undesirable	
Certification Data:		under the driller's direc herein are true and co	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statemen herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion an resubmittal.		
Company Inforr	mation:	SCI 5070 Brush Creek Ro	1		
		Fort Worth , TX 7611			

Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #317598) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0-6ft brown clay 6-15ft tan clay Dia. New/Used Type Setting From/To 2in new pvc riser 0-5ft s40 2in new pvc screen 5-15ft 0.010

	Ş	STATE OF TEXAS WELL R	REPORT for Tracking #3	22302
Owner:	er: Exide		Owner Well #:	MW 30
Address:	7471 5th Avenue Frisco , TX		Grid #:	18-50-8
Well Location:	Same TX		Latitude:	33° 08' 37" N
Well County:	Col	lin	Longitude: 096° 49' 42" W	
Elevation:	No	Data	GPS Brand Used:	Google Earth
Type of Work:	New Well		Proposed Use:	Monitor
Drilling Date:	<u></u>	Started: 3/28/2013 Completed: 3/28/2013		
Diameter of Ho	le:	Diameter: 7.75 in From Surface To	o 32.5 ft	
Drilling Method	:	Hollow Stem Auger		
Borehole Completion:		Other: 20/40 Sand		
Annular Seal Data:		1st Interval: From 32.5 ft to 10.5 ft 2nd Interval: From 10.5 ft to 2 ft w 3rd Interval: From 2 ft to 0 ft with Method Used: Mix Cemented By: Drill Crew Distance to Septic Field or other Co Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data	ith 5 Bentonite (#sacks and mat 4 Cement (#sacks and material) oncentrated Contamination: No Da	terial)
Surface Completion:		Surface Slab Installed		
Water Level:	r, , , , and , , , , , , , , , , , , , , , , , , ,	Static level: No Data Artesian flow: No Data		
Packers:		No Data		
Plugging Info:		Casing or Cement/Bentonite left in	well: No Data	
Type Of Pump:		No Data		
Well Tests:		No Data		
Water Quality:		Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Data Did the driller knowingly penetrate	1	
supervision) and that each an		The driller certified that the driller of supervision) and that each and all understood that failure to complete completion and resubmittal.	of the statements herein are true	and correct. The driller
Company Information:		Strata Core Services, LLC 5070 Brush Creek Road		

	Fort Worth , TX 76119
Driller License Number:	3038
Licensed Well Driller Signature:	Dan Spaust
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #322302) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0 to 5' Sandy Gravelly Clay 5' to 20' Brown Silty Clay 20' to 26.5' Gravelly Light Brown Clay 26.5' to 30.5' Gray Shale 30.5' to 32.5' Hard Gray Shale CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 2" New PVC Screen 32.5' to 12.5' .010 2" New PVC Riser 12.5' to 0 s40 Exide APAR Page 821 of 2984

STATE OF TEXAS WELL REPORT for Tracking #318675				
Owner: Exid		le	Owner Well #:	MW 31
Address: 7451		51 5th Ave isco , TX	Grid #:	18-50-8
Well Location:	San TX	10	Latitude:	33° 08' 37" N
Well County:	Col	Collin Longitude:		096° 49' 42" W
Elevation:	No	Data	GPS Brand Used:	Google Earth
Type of Work:	Nev	v Well	Proposed Use:	Monitor
Drilling Date:		Started: 5/9/2013 Completed: 5/9/2013		
Diameter of Ho	le:	Diameter: 7 in From Surface To	23 ft	
Drilling Method	:	Hollow Stem Auger		
Borehole Completion:		Other: 20/40 Sand		
Annular Seal D	ata:	2nd Interval: From 6 ft to 2 ft wir 3rd Interval: From 2 ft to 0 ft wit Method Used: Mix Cemented By: Drill Crew	ith 8 Sand (#sacks and material) th 3 Bentonite (#sacks and material) th 2 Cement (#sacks and material) Concentrated Contamination: No Da ata	
Surface Completion:		Surface Slab Installed	ţ	
Water Level:		Static level: No Data Artesian flow: No Data		
Packers:		No Data		
Plugging Info:		Casing or Cement/Bentonite left	in well: No Data	
Type Of Pump:		No Data		
Well Tests:		No Data		
Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Data Did the driller knowingly penetrate any strata which contained undesirable constituen		sirable constituents: No		
Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's supervision) and that each and all of the statements herein are true and correct. The drill understood that failure to complete the required items will result in the log(s) being returned completion and resubmittal.		and correct. The driller		
Company Strata Core Services, LLC Information: 5070 Brush Creek Road		Strata Core Services LLC		

	Fort Worth , TX 76119
Driller License Number:	58164
Licensed Well Driller Signature:	Brad Eskue
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #318675) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0 to 6' Brown Clay 6' to 23' Tan Clay CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type Setting From/To 2" New PVC Screen 23' to 8' .010 2" New PVC Riser 8' to 0 s40

	STATE OF TEXAS		
Owner:	Exide Technologies	Owner Well #:	SL# 3
Address: 7471 South 5th St. Frisco, TX 75034		Grid #:	18-50-8
Well Location:	7471 South 5th St. Frisco , TX 75034	Latitude:	33° 08' 28" N
Well County: Collin		Longitude:	096° 49' 39" W
Elevation:	638 ft.	GPS Brand Used:	Google Earth
Type of Work:	New Well	Proposed Use:	Monitor
Drilling Date:	Started: 1/10/2012 Completed: 1/10/2012		
Diameter of Hole	e: Diameter: 2 in From S	face To 12 ft	
Drilling Method:	Other: Direct Push		
Borehole Completion:	Other: (No Data)		
Annular Seal Da	ata: 1st Interval: No Data 2nd Interval: No Data 3rd Interval: No Data		
Surface Completion:	No Data		
Water Level:	Static level: No Data Artesian flow: No Data		
Packers:	No Data		
Plugging Info:		ithin 48 hours. ient/Bentonite left in well: m (ft) To (ft) Cem/Bent Sacks Used	
Type Of Pump:	No Data		
Well Tests:	No Data		
Water Quality:	Type of Water: No Dat Depth of Strata: No Da Chemical Analysis Ma Did the driller knowing		rable constituents: No
Certification Dat	supervision) and that e understood that failure	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.	
Company Information:	Strata Core Services 5070 Brush Creek Ro Fort Worth , TX 7611		
	52694		

Licensed Well Driller Signature:	Mario Robles
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	Amended 2/9/12 Ref.# 10138

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #277616) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0 - 4' Dk Gray Clay 4 - 12' Lt. Clay Clay Dia. New/Used Type 1" N PVC Screen 12 - 7 .010 1" N PVC Riser 7 - 0 Sch 40 Setting From/To

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Frisco , TX 75034Longitude:096° 4Well County:CollinLongitude:096° 4			
Frisco, TX 75034 Well Location: 7471 South 5th St. Frisco, TX 75034 Latitude: 33° 08' Well County: Collin Longitude: 096° 4 Elevation: 638 ft. GPS Brand Used: Google Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 1/10/2012 Completed: 1/10/2012 Started: 1/10/2012	1		
Frisco, TX 75034 Longitude: 096° 4 Well County: Collin Longitude: 096° 4 Elevation: 638 ft. GPS Brand Used: Google Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 1/10/2012 Completed: 1/10/2012 Started: 1/10/2012	8		
Elevation: 638 ft. GPS Brand Used: Google Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 1/10/2012 Completed: 1/10/2012 Started: 1/10/2012	' 28" N		
Type of Work: New Well Proposed Use: Monito Drilling Date: Started: 1/10/2012 Completed: 1/10/2012	9' 39" W		
Drilling Date: Started: 1/10/2012 Completed: 1/10/2012	e Earth		
Completed: 1/10/2012	or		
Diameter of Hole: Diameter: 2 in From Surface To 8 ft	Bonga cumentana da Bela de Mariera da Constante da Constante da Constante da Constante da Constante da Constant		
Drilling Method: Other: Direct Push			
Borehole No Data Completion:			
Annular Seal Data: 1st Interval: No Data 2nd Interval: No Data 3rd Interval: No Data			
Surface No Data Completion:			
Water Level: Static level: No Data Artesian flow: No Data			
Packers: No Data			
Plugging Info: Casing left in well: Cement/Bentonite left in well: From (ft) To (ft) From (ft) To (ft) Cem/Bent Sacks Used 0 - 0 8 - 0 1 Hole Plug			
Type Of Pump: No Data			
Well Tests: No Data			
Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Data Did the driller knowingly penetrate any strata which contained undesirable cons	stituents: N		
supervision) and that each and all of the statements herein are true and correct	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.		
CompanyStrata Core ServicesInformation:5070 Brush Creek RdFort Worth , TX 76119			
Driller License 52694 Number:			

Licensed Well Driller Signature:	Mario Robles
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #277402) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description **0 - 8' Dk Gray Clay**

Dia. New/Used Type 1" N PVC Screen 8 - 3 .010 1" N PVC Riser 3 - 0 Sch 40 Setting From/To

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Well Report: Tracking #:277399

		STATE OF TEXAS WELL	REPORT for Tracking #2	277399
Owner:	Exi	de Technologies	Owner Well #:	SL# 2
Address:		1 South 5th St. co , TX 75034	Grid #:	18-50-8
Well Location:		1 South 5th St. cco , TX 75034	Latitude:	33° 08' 28" N
Well County:	Col	lin	Longitude:	096° 49' 39" W
Elevation:	638	ft.	GPS Brand Used:	Google Earth
Type of Work:	Nev	v Well	Proposed Use:	Monitor
Drilling Date:		Started: 1/10/2012 Completed: 1/10/2012	n na mangan kana kanangan kana	annan an ann an Anna an Anna an Anna ann an Anna ann an Anna ann an Anna ann an Anna Anna Anna Anna Anna Anna A
Diameter of Hole	e:	Diameter: 2 in From Surface To	8 ft	
Drilling Method:		Other: Direct Push		
Borehole Completion:		Other: (No Data)		
Annular Seal Da	ata:	1st Interval: No Data 2nd Interval: No Data 3rd Interval: No Data		
Surface Completion:		No Data		
Water Level:		Static level: No Data Artesian flow: No Data		
Packers:		No Data		
Plugging Info:		The well was plugged within 48 h Casing left in well: Cement/Bent From (ft) To (ft) From (ft) To 0 - 0 8 - 0 1 Hole Plug		
Type Of Pump:		No Data		
Well Tests:		No Data		
Water Quality:		Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Dat Did the driller knowingly penetrate	a e any strata which contained undes	irable constituents: No
Certification Dat	ta:	The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.		
Company Information:		Strata Core Services 5070 Brush Creek Rd Fort Worth , TX 76119		
Driller License Number:		52694		

Licensed Well Driller Signature:	Mario Robles
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	Amended 2/9/12 Ref.# 10139

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #277399) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description 0 - 1' Dk Gray Clay 1 - 8' Lt. Clay Clay Dia. New/Used Type 1" N PVC Screen 8 - 3 .010 1" N PVC Riser 3 - 0 Sch 40 Setting From/To

Well Report: Tracking #:277393

supervision) and that each and all of the statements herein are true and correct. The driller	74-2117-	\$	STATE OF TEXAS WELL	REPORT for Tra	cking #2	77393	
Frisco, TX 75034 Initial Construction Yeal Location: 7471 South 5th 5t. Frisco, TX 75034 Latitude: 33° 08' 28" N Well County: Collin Longitude: 095° 49' 39" W Elevation: 638 ft. GPS Brand Used: Google Earth Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 1/12/2012 Completed: 1/12/2012 Monitor Drilling Method: Hollow Stem Auger Monitor Borehole Other: Sand Packed Completion: Completion: Annular Seal Data: 1st Interval: From 21 ft to 5 ft with 12 Sand (#sacks and material) 2nd Interval: From 5 ft to 3 th with 1 Gentonife (#sacks and material) 2nd Interval: From 5 ft to 1 ft with 1 Gentonife (#sacks and material) 2nd Interval: From 5 ft to 0 ft with 1 Cenent (#sacks and material) 2nd Interval: From 5 ft to 1 ft with 1 Sand (#sacks and material) 2nd Interval: From 5 ft to 3 ft with 1 Sand (#sacks and material) 2nd Interval: From 5 ft to 1 ft with 1 Sand (#sacks and material) 2nd Interval: From 5 ft to 3 ft with 1 Sand (#sacks and material) 2nd Interval: From 5 ft to 1 ft with 1 Sand (#sacks and material) 2nd Interval: From 5 ft to 1 ft with 1 Sand (#sacks and material) 2nd Interval: From 5 ft to 0 ft with 2 Sand (#sacks and material) Surface Surface Slab Installed Completion: Water Level: Static level: No Data Artesian flow: No Data Surface Slab Installed	Owner:	Exic	de Technologies	Owner V	Vell #:	MW# 19,20	
Frisco , TX 75034 Well County: Collin Longitude:: 096° 49' 39" W Elevation: 638 ft. GPS Brand Used: Google Earth Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 1/12/2012 Completed: 1/12/2012 Monitor Diameter of Hole: Diameter: 8 1/4 in From Surface To 22 ft Monitor Drilling Method: Hollow Stem Auger Sorehole Other: Sand Packed Completion: Annular Seal Data: 1st Interval: From 3 ft to 5 ft with 1 2 Sand (#sacks and material) 2nd Interval: From 3 ft to 1 ft with 1 Cement (#sacks and material) 3rd Interval: From 3 ft to 1 ft with 1 Cement (#sacks and material) 3rd Interval: From 3 ft to 1 ft with 1 Cement (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) Method of Verificating into; No Data Nethod of Verificating into; No Data Surface Surface Slab Installed Completion: No Data Weater Level: Static level: No Data Artesian flow: No Data Weater Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data D	Address:			Grid #:		18-50-8	
Elevation: 638 ft. GPS Brand Used: Google Earth Type of Work: New Well Proposed Use: Monitor Drilling Date: Started: 1/12/2012 Completed: 1/12/2012 Monitor Diameter of Hole: Diameter: 8 1/4 in From Surface To 22 ft Monitor Drilling Method: Hollow Stem Auger Started: 1/12/2012 Borehole Other: Sand Packed Sand Packed Completion: 1st Interval: From 22 ft to 5 ft with 12 Sand (#sacks and material) 3rd Interval: From 5 ft to 3 ft with 1 Gement (#sacks and material) Method Used: TCEQ Standards Cemented By: Strata Core Distance to Septic Field or other Concentrated Contamination: No Data Distance to Septic Field or other Concentrated Contamination: No Data Surface Surface Slab Installed Completion: Surface Static level: No Data Artesian flow: No Data Vater Level: Static level: No Data Artesian flow: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: Water Quality: Type of Water: No Data Did the driller's dire supervision' and that each and all of the statements herein are rue and correct. The driller's dire supervision' and that each and all of the statements herein are rue and correct.	Well Location:			Latitude	:	33° 08' 28" N	
Type of Work: New Weil Proposed Use: Monitor Drilling Date: Started: 1/12/2012 Completed: 1/12/2012 Completed: 1/12/2012 Diameter of Hole: Diameter: 8 1/4 in From Surface To 22 ft Diameter: 8 1/4 in From Surface To 22 ft Drilling Method: Hollow Stem Auger Borehole Other: Sand Packed Sorehole Other: Sand Packed Sand Packed Sand Packed Completion: 1st Interval: From 2ft to 5 ft with 12 Sand (#sacks and material) 2nd Interval: From 3 ft to 0 ft with 1 Genent (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cenent (#sacks and material) 2nd Interval: From 3 ft to 0 ft with 1 Cenent (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cenent (#sacks and material) Method Used: TCEQ Standards Cemented By: Strata Core Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Surface Surface Slab Installed Surface Slab Installed Water Level: Static level: No Data Artesian flow: No Data Method Installed Weter Cuellity: No Data Weter No Data Weter Quality: Type of Water: No Data Depth of Strata: No Data Data Water Quality: Type of Water: No Data Depth of Strata: No Data No Data Water Quality: Type of Water: No Data Depth of Strata: No Data No Data	Well County:	Col	lin	Longitud	le:	096° 49' 39'' W	
prilling Date: Started: 1/12/2012 Completed: 1/12/2012 Diameter of Hole: Diameter: 8 1/4 in From Surface To 22 ft Drilling Method: Hollow Stem Auger Borehole Other: Sand Packed Completion: Annular Seal Data: Annular Seal Data: 1st Interval: From 5 ft to 5 ft with 12 Sand (#sacks and material) 2nd Interval: From 5 ft to 5 ft with 1 Cement (#sacks and material) 3rd Interval: From 5 ft to 5 ft with 1 Cement (#sacks and material) Britonerated By: Strata Core Distance to Septic Field or other Concentrated Contamination: No Data Distance to Propetry Line: No Data Approved by Variance: No Data Surface Surface Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Depth of Strata: No Data Well Tests: No Data Weter Quality: Type of Water: No Data Depth of Strata: No Data Weter Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller cortified that the driller drilled this well (or the well was drilled under the driller's dire supervision) and that each and all of the statements herein are true and correct. The driller's dire supervision) and that each and all of the sta	Elevation:	638	ft.	GPS Bra	and Used:	Google Earth	
Completed: 1/12/2012 Diameter of Hole: Diameter: 8 1/4 in From Surface To 22 ft Drilling Method: Hollow Stem Auger Borehole Other: Sand Packed Completion: 1st Interval: From 2 ft to 5 ft with 12 Sand (#sacks and material) 2nd Interval: From 3 ft to 0 ft with 1 Gement (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) Method Used: TCEQ Standards Cemented By: Strata Core Distance to Property Line: No Data Approved by Variance: No Data Surface Surface Slab Installed Completion: Surface Slab Installed Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Vype Of Pump: No Data Weter Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Certification Data: The driller cortified that the driller drilled this well (or the well was drilled under the driller's dire supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned fc completion and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being retu	Type of Work:	Nev	v Well	Propose	d Use:	Monitor	
Drilling Method: Hollow Stem Auger Borehole Other: Sand Packed Completion: 1st Interval: From 21 ft to 5 ft with 12 Sand (#sacks and material) Annular Seal Data: 1st Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) Signature Other: Sand Packed Annular Seal Data: 1st Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) Signature Other: Strata Core Distance to Septic Field or other Concentrated Contamination: No Data Method Used: TCEQ Standards Cemented By: Strata Core Distance to Property Line: No Data Approved by Variance: No Data Approved by Variance: No Data Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller complete the required items will result in the log(s) being returned for completion and resubmittal. Completion The driller corefifeed that the driller drillee this well (o	Drilling Date:			ann a na sun an star ann an tha an	an a shekara ka		
Borehole Completion: Other: Sand Packed Annular Seal Data: 1st Interval: From 3 ft to 3 ft with 1 Bentonite (#sacks and material) 3rd Interval: From 3 ft to 3 ft with 1 Gentonite (#sacks and material) 3rd Interval: From 3 ft to 1 ft with 1 Cement (#sacks and material) Method Used: TCEQ Standards Cemented By: Strata Core Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data Surface Surface Slab Installed Completion: Static level: No Data Artesian flow: No Data Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Depth of Strata: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: Water Quality: Type of Water: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dire supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned fo completion and resubmittal.	Diameter of Hol	le:	Diameter: 8 1/4 in From Surface	To 22 ft			
Completion: Annular Seal Data: 1st Interval: From 22 ft to 5 ft with 12 Sand (#sacks and material) Annular Seal Data: 1st Interval: From 3 ft to 0 ft with 1 Demontite (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Demont (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Demont (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Demont (#sacks and material) Method Used: TCEQ Standards Cemented By: Strata Core Distance to Septic Field or other Concentrated Contamination: No Data Method of Verification: No Data Approved by Variance: No Data Surface Completion: Water Level: Static level: No Data Artesian flow: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Water Quality: Type of Water: No Data Water Quality: Type of Water: No Data Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dire supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resulmittal.	Drilling Method:		Hollow Stem Auger				
2nd Interval: From 5 ft to 3 ft with 1 Gentonite (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Genent (#sacks and material) Method Used: TCEQ Standards Cemented By: Strata Core Distance to Property Line: No Data Method of Verification: No Data Approved by Variance: No Data Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dire supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) bein			Other: Sand Packed				
Completion: Water Level: Static level: No Data Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Water Quality: Type of Water: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dires supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Strata Core Services		ata:	2nd Interval: From 5 ft to 3 ft with 1 Bentonite (#sacks and material) 3rd Interval: From 3 ft to 0 ft with 1 Cement (#sacks and material) Method Used: TCEQ Standards Cemented By: Strata Core Distance to Septic Field or other Concentrated Contamination: No Data Distance to Property Line: No Data Method of Verification: No Data				
Artesian flow: No Data Packers: No Data Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dires supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Strata Core Services			Surface Slab Installed				
Plugging Info: Casing or Cement/Bentonite left in well: No Data Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Chemical Analysis Made: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dires supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Strata Core Services	Water Level:						
Type Of Pump: No Data Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Depth of Strata: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dires supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Strata Core Services	Packers:		No Data				
Well Tests: No Data Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dires supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Strata Core Services	Plugging Info:		Casing or Cement/Bentonite left i	in well: No Data			
 Water Quality: Type of Water: No Data Depth of Strata: No Data Chemical Analysis Made: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: No Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's dires supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal. Company Strata Core Services 	Type Of Pump:		No Data				
Depth of Strata: No Data Chemical Analysis Made: No Data Did the driller knowingly penetrate any strata which contained undesirable constituents: NoCertification Data:The driller certified that the driller drilled this well (or the well was drilled under the driller's direction) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyStrata Core Services	Well Tests:		No Data				
supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.CompanyStrata Core Services	Water Quality:	10 Mar	Depth of Strata: No Data Chemical Analysis Made: No Data				
	Certification Da	ita:	understood that failure to complete the required items will result in the log(s) being returned for				

	Fort Worth , TX 76119
Driller License Number:	52694
Licensed Well Driller Signature:	Mario Robles
Registered Driller Apprentice Signature:	No Data
Apprentice Registration Number:	No Data
Comments:	No Data

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #277393) on your written request.

Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 (512) 463-7880

DESC. & COLOR OF FORMATION MATERIAL

From (ft) To (ft) Description 0 - 2' Brown Clay w/ concrete rubble 2 - 12' Dk Brown Clay 12 - 19' Gray Weathered Clay 19 - 22' Gray Shale

CASING, BLANK PIPE & WELL SCREEN DATA

Dia. New/Used Type 2" N PVC Screen 22 - 7 .010 2" N PVC Riser 7 - 0 Sch 40 Setting From/To

Exide APAR Page 831 of 2984

Appendix 7

Updated Groundwater Resource Classification Evaluation

UPDATED GROUNDWATER RESOURCE CLASSIFICATION EVALUATION EXIDE FRISCO RECYCLING CENTER FRISCO, TEXAS

JULY 9, 2013

Prepared by:

PASTOR, BEHLING & WHEELER, LLC 2201 Double Creek Dr., Suite 4004

2201 Double Creek Dr., Suite 4004 Round Rock, Texas 78664



PBW Project No. 1755

1.0 Introduction

This evaluation provides an update of Pastor, Behling & Wheeler's (PBW's) previous evaluation (dated November 29, 2012) of groundwater classification at the Exide Frisco Recycling Center. That evaluation was discussed with and approved by the TCEQ in a meeting on December 7, 2012 (documented by a TCEQ Interoffice Memorandum prepared by Gary Beyer dated February 7, 2013). This update incorporates information obtained subsequent to November 29, 2012 at the former Exide Frisco Recycling Center. For the purposes of this evaluation, the Former Operating Plant and the Undeveloped Buffer Properties are collectively referred to as "the Site".

Under Texas Risk Reduction Program (TRRP) rule \$350.4(a)(40), *a groundwater-bearing unit is defined as a saturated geologic formation, group of formations, or part of a formation that has a hydraulic conductivity equal to or greater than 1 x 10⁻⁵ cm/sec.* Saturated zones with hydraulic conductivity values less than 1 x 10⁻⁵ cm/sec are considered to be non-groundwater bearing zones (or "saturated soils"). One of the differences between a Class 2 and Class 3 groundwater-bearing zone is that a Class 3 zone is incapable of sustaining a yield 150 gallons per day (gpd) from a properly completed well. The TCEQ has developed Guidance Document TRRP-8 (*Groundwater Classification*) (TCEQ, 2010) that provides detailed procedures for collecting and interpreting data needed to distinguish between Class 2, Class 3, and non-groundwater bearing zones. The TRRP-8 guidance document provided the basis for determining the groundwater classification at the Site, as described below.

2.0 Site Geology and Topography

According to the Geologic Atlas of Texas, Sherman Sheet (Barnes, 1991) surficial deposits at the Site consist primarily of Quaternary surficial deposits undivided (map unit "Qu" on Figure 1), described in Texas as mostly colluvium and minor alluvium (Barnes, 1991).

Colluvium is a general term used to define the soil material and rock debris that accumulates at the base of hillsides due to erosional forces. Colluvium typically includes unsorted material of all particle sizes, from angular rock fragments to clay. The geologic map also indicates that alluvial deposits (map unit "Qal") near the Site are limited to the area immediately adjacent to Stewart Creek, downstream to the southwest.

The surficial colluvium (and alluvium) deposits at the Site are underlain by the Eagle Ford Formation, and surrounded on three sides by a thin veneer of Eagle Ford outcrop, as shown on Figure 2. The Austin Chalk surrounds the Eagle Ford outcrop and forms steep hillsides to the north, east, and south. The topographic highs surrounding the Site can be seen on Figure 3, where elevations range from greater than 720 feet on the hillsides to less than 630 feet near Stewart Creek. Material eroded from these hillsides is the likely source of the colluvial fan that has formed at the base of the steep slopes. West of the Site, the topography is relatively flat. Coarser-grained sediments, such as gravels and rock fragments would most likely be deposited closer to the base of the hillsides, as erosional forces would not be capable of transporting the larger materials too far from their parent rock.

3.0 Description of Geologic Units and Distribution in the Subsurface

The colluvium/alluvium encountered at the site has been subdivided into the following three primary geologic units, based on a review of Site boring logs (Attachment A). Generally, PBW only evaluated borings logs that extended to, or near, the top of the Eagle Ford Shale (approximately 95 borings). Shallower borings, which typically did not encounter saturated colluvium, were not included in this evaluation.

<u>Clay (or non-gravel containing unit)</u> – The predominant lithology at the site is clay (USCS soil classification CH and CL). The clay is a stiff, high plasticity clay, occasionally with minor amounts of calcareous or gravel nodules within the clay matrix. Borings shaded in green on Figure 4 did not encounter clayey gravels, gravels, or sands. As shown on Figure 4, most of the Site borings fall into this category. The area beneath, south, and east of the former operating plant, is almost exclusively clay.

<u>Clayey Gravel</u> – Lenses of clayey gravel (USCS soil classification GC) consist of gravel embedded within a dense, consolidated clay matrix. The thickness of the clayey gravel lenses range from 0.5 to 5 feet, with an average thickness of about 2 feet. Borings shaded brown on Figure 4 encountered a clayey gravel lens. Unit SC (clayey sand) was included in this designation unless it was described in the field as "loose". These lenses were encountered more frequently in the western and northwestern part of the Site. The clayey gravel or clayey sand lenses are typically surrounded by non gravel-containing deposits (Figure 4).

<u>Gravels and Sands</u> – Gravels and sands (USCS soil classification SP, SW, SM, GM and GW). These gravels and sands are relatively "clean" (i.e., not embedded within a clay matrix), and generally unconsolidated. Clayey gravels or sands (Unit GC or SC) described in the field as "loose" were included in this geologic unit. Gravels and sands encountered in Site borings ranged in thickness from 0.5 to 5.2 feet, with an average thickness of about 2 feet. The gravels and sands occur in four isolated pockets at the Site, as shown on Figure 4. In a couple of borings, both gravels/sands and clayey gravels were encountered in the same boring; in these instances, only the thickness of the gravel/sand unit is shown on Figure 4.

Fill material was also encountered in several of the borings drilled in the former paths of Stewart Creek and the North Tributary (MW-24 and MW-30) as discussed in Section 1.3.3 of the APAR. The fill material was typically described as silty, sandy, or gravelly clays, and thus appears most similar to the clay unit described above. As discussed in Sections 4 and 5 of the APAR, no affected groundwater has been found in the vicinity of the former creek channels.

PBW has prepared a number of geologic cross sections for the Site (Attachment B). These cross sections illustrate the laterally discontinuous (and thin) nature of the clayey gravels, gravels, and sands within the predominantly clay stratum. They also show the steep dip of the top of the Eagle Ford Shale toward the topographically lower portion of the Site, which was likely eroded away by Stewart Creek, resulting in a structural bowl where colluvium from the surrounding hillsides subsequently accumulated. The structure of the top of the Eagle Ford Shale is contoured on Figure 6. The lateral extent of the colluvium/alluvium is limited to the interior portion of this structural bowl.

4.0 Hydraulic Conductivities and Calculated Well Yields

Slug tests were performed by PBW in ten monitoring wells at the Site to characterize the spatial variability in hydraulic conductivity across the Site. In addition, four slug tests and one pumping test were performed in 1995 as part of the Class II landfill investigation (J&N, 1995). PBW slug test graphs and information are provided in Attachment C. J&N slug test data are provided in Attachment D. Representative test results are provided in Table 1. Tests were performed in each of the three geologic units described in the previous section.

For wells completed in lithology where no clayey gravel, gravels, or sands were encountered (non gravelcontaining unit), hydraulic conductivity (K) values ranged from 6.1×10^{-4} to 2.8×10^{-8} cm/sec, with a geometric mean of 3.3×10^{-6} cm/sec.

For wells completed in lithology where clayey gravels were encountered, K values ranged from 3.4×10^{-2} to 2×10^{-4} cm/sec, with a geometric mean of 1.7×10^{-3} cm/sec.

For wells completed in lithology where gravels or sands were encountered, K values ranged from 1.2×10^{-1} to 5.7×10^{-3} cm/sec, with a geometric mean of 2×10^{-2} cm/sec.

The slug tests were analyzed using the Bouwer and Rice (1976) solution for unconfined aquifers. The groundwater-bearing units (GWBUs) at the Site appear to exist under unconfined (or possibly semiconfined) conditions. The Bouwer and Rice solution is also applicable for semi-confined and confined systems (Bouwer, 1989).

For slug tests completed in clays (non-gravel containing unit), the saturated thickness of the GWBU was calculated as the vertical distance from the static water level elevation to the base of the saturated unit (i.e., contact between clay and Eagle Ford Shale).

For slug tests completed in clayey gravels, gravels or sands (gravel-containing unit), the saturated thickness was calculated as the saturated thickness of the more permeable gravel-containing unit ("the effective aquifer thickness"). The saturated clays above or below the gravel-containing unit have hydraulic conductivity values on average three to four orders of magnitude lower than the gravel-containing unit. In such heterogeneous settings, it would be inaccurate to include the saturated thickness of the significantly lower conductivity clays with the higher conductivity clayey gravels, gravels or sands where groundwater flow occurs.

Using procedures described in TRRP-8 (Section 2.7.1, Method 1), groundwater yields were also calculated at wells where aquifer tests were performed. As shown in Table 1, the wells with the highest calculated yields were LMW-17 and LMW-5. These calculated well yields appear to be biased high, as explained below.

Aquifer Test at LMW-17

PBW reviewed the aquifer test data provided in the J&N 1995 report; J&N's test calculations and data are provided in Attachment D of this appendix. As shown on J&N's chart plotting drawdown versus time, about 300 minutes after the test was started, the rate of drawdown in the pumping well increased substantially. This indicates that the expanding cone of depression created by pumping LMW-17 encountered a lower permeability boundary condition. Had the aquifer test continued longer, the test pumping rate of 8 gpm would not likely have been sustainable due to the nearby boundary condition, and the calculated conductivity/transmissivity values would have been lower.

While sampling groundwater in 2013, PBW observed that the three monitoring wells closest to LMW-17: (LMW-8 located 300 feet to east; LMW-22 located 150 feet to the south; and LMW-5 located 300 feet to west) each went dry at a purge rate of less than 0.2 gpm with a peristaltic pump (sampling records for these three wells are provided in Attachment E). These observations support the conclusion that the highly conductive sediments encountered at LMW-17 have a very limited lateral extent.

LMW-5 Calculated versus Field Well Yield

As mentioned above, well LMW-5 purged dry during sampling with a peristaltic pump at a rate less than 0.2 gpm (equivalent to less than 300 gpd). Based on the slug test result for LMW-5, a theoretical well yield of 5,000 gpd was calculated, assuming that the relatively high hydraulic conductivity (K) value obtained during the slug test represents the entire thickness of clayey gravel at LWM-5 (4 feet). The significant discrepancy between field and calculated well yields indicates that only thin lenses of gravelly material embedded within the clay matrix (Unit GC) are capable of transmitting groundwater at the calculated rate. If we had assumed a saturated aquifer thickness of 0.5 feet, instead of 4 feet, the calculated yield would have correlated closely with the field yield (less than 300 gpd).

5.0 Characterization of Groundwater-Bearing Units

As shown on Figure 1, the area where clayey gravels, gravels or sands were encountered (i.e., gravelcontaining units) is generally limited to the northwestern and western parts of the Site. This area is generally surrounded by the non gravel-containing unit. The area where the gravel-containing units occur is geologically and hydraulically distinct from the surrounding part of the Site where the gravelcontaining unit has not been encountered, although some non gravel-containing units are interspersed within the gravel-containing unit.

For the purposes of discussing groundwater classification in the following section, the gravel-containing unit has been subdivided into areas where unconsolidated gravels/sands occur versus those areas where consolidated clayey gravels occur. This distinction is important because these two types of sediments have different geologic and hydraulic properties. The approximate boundaries of the limited areas containing unconsolidated gravels and sands are shown on Figure 4.

6.0 Groundwater Classification Discussion

6.1 Non Gravel-Containing Unit

The non gravel-containing unit meets the TRRP definition of a non groundwater-bearing zone classification (or "saturated soils") because the average hydraulic conductivity of wells not containing gravel is well below 1 x 10^{-5} cm/sec [§350.4(a)(40)], as shown on Table 1. The slug test results in the non gravel-containing wells, however, are highly variable. This variability is likely due to the presence of calcareous pebbles and nodules observed within the clay matrix in some of the wells and borings at the Site. Nonetheless, the existing data support classifying the non-gravel-containing unit as "saturated soils".

6.2 Gravel-Containing Units

6.2.1 Clayey Gravels

The calculated well yields for wells completed in clayey gravels are listed in Table 1. It is instructive to review Figure 9 from TRRP-8 (included as Attachment F of this appendix) when evaluating the groundwater yield of the clayey gravels. Figure 9 graphically illustrates the relationship between saturated thickness (b), hydraulic conductivity (K) values, and well yields (Q). According to TRPP

Section 2.7.1 (Method 1), direct measurement of well yield is not required unless the calculated yield of the groundwater-bearing unit is within 20 percent of the Class 2/3 boundary (the area shaded gray on Figure 9). At the Site, the average thickness of the clayey gravels is about 2 feet, with an average K value of 1.7×10^{-3} cm/sec. When these values are plotted on Figure 9 (Attachment F), the chart shows that the clayey gravel is "Low Yield" only capable of yielding about 80 gpd, well below the Class 2/3 boundary; thus, according to Note 2 on Figure 9, direct well yield tests are not required to confirm proper groundwater classification. The areas at the Site where clayey gravels occur meet the TRRP definition as a Class 3 groundwater resource.

6.2.2 Gravels and Sands

According to TRRP -8..."an important aspect of discriminating between Class 2 and Class 3 groundwater resources is the ability for that resource to produce useable water at a *sustainable rate of 150 gallons per day* ... [§350.52(3)]"

The average K value of the gravels and sands is 2×10^{-2} cm/sec with an average thickness of about 2 feet and maximum thickness of 5.2 feet. In this case, Figure 9 does not definitively indicate whether the gravels and sands are Low Yield (Class 3) or Moderate Yield (Class 2). Short-term tests on most of the wells completed in gravels or sands will likely exceed the Class 3 yield criterion of 150 gpd. For example, well B5N maintained a pumping rate of 0.1 gpm during a 48-hour test in March 2012. Given the surrounding boundary conditions, the well would likely have gone dry had it been pumped at a higher rate or for a longer period.

Per TRRP-8, a Class 2 groundwater-bearing unit (GWBU) can be downgraded to a Class 3 designation if it can be demonstrated that the GWBU does not meet the sustainable qualification. TRRP-8 (Section 2.8.2) recognizes that certain GWBUs may be unable to meet the sustainability qualification based on their "limited hydrogeologic extent". According to Section 2.8.2, *examples of qualifying hydrostratigraphic units include lobes of alluvial fans isolated by intercalated impermeable units....and other isolated zones of saturation that are not used as groundwater resources.*

The approximate boundaries of the unconsolidated gravel/sand lenses at the Site are shown on Figure 4. It is unlikely that these thin and isolated gravel and sand lenses at the Site could sustain a production rate of 150 gpd for extended periods of time. This assertion is supported by the following observations.

- Regionally, the lobe of colluvial/alluvial material containing gravels and sands is surrounded on three sides (north, east, and south) by the extremely low permeability Eagle Ford Shale (Figures 1 2, and 6).
- To the east, the gravel/sand lenses at the Site are bounded by low permeability saturated soils (Figure 4).
- To the west, the gravel/sand lenses are bounded by an area that has been demonstrated to be Class 3 groundwater (Figure 2) (note: see Stewart Creek Wastewater Treatment Plant Affected Property Assessment Report).
- To the south, the Eagle Ford Shale crops out within a few hundred feet of the gravel/sand lenses.
- To the north, the colluvium thins and the Eagle Ford Formation crops out.
- At the Site, Stewart Creek has eroded through the colluvial/alluvial material to the contact with the underlying Eagle Ford Formation. Shale outcrop is exposed along the Stewart Creek channel within the Site boundary. Consequently, Stewart Creek represents a hydrogeologic boundary (i.e., groundwater divide). The potentiometric map for the Site (Figure 5) indicates that groundwater moves from the alluvium toward Stewart Creek, further illustrating the presence of the groundwater divide.
- The gravel/sand lenses are overlain by low permeability clays, which will impede recharge to the underlying gravels and sands from precipitation.
- Several monitoring wells surrounding the gravels and sands were purged dry with a peristaltic pump at a rate of less than 0.2 gpm (e.g., LMW-5, LMW-8, LMW-22).
- There is no current beneficial use of the groundwater in the shallow gravel and sand deposits near the Site. As discussed in 2.0 of the APAR, there are no active water wells in this unit within 0.5 miles of the Site.

6.3 Summary

The Site consists of a 1) non gravel-containing unit (saturated soils); 2) clayey gravels that meet the definition of a Class 3 resource based on calculated yield values; and, 3) gravels and sands that have a limited hydrogeologic extent and appear incapable of sustaining a long-term daily withdrawal rate that would satisfy the Class 2 criteria; therefore, it is appropriate to downgrade the gravels and sands to a Class 3 designation in accordance with TRRP-8. These colluvial and alluvial deposits occur within a structural bowl bound by the Eagle Ford Shale and Austin Chalk bedrock that limit their lateral extent.

As a practical matter in developing Protective Concentration Levels (PCLs) in the Affected Property Assessment Report, we have conservatively assumed that the non gravel containing unit (saturated soils) is a Class 3 groundwater resource, resulting in a single groundwater classification for the entire site.

7.0 References

- Barnes, V.E., 1991. *Geologic Atlas of Texas, Sherman Sheet*. University of Texas Bureau of Economic Geology.
- Bouwer, H. and R. C. Rice, 1976. *A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells.* Water Resources Research, vol. 12, no. 3, pp. 423-428.

Bouwer, H. 1989. The Bouwer and Rice slug test – an update. Groundwater, vol. 27, no. 3, pp. 304-309.

- Jones & Neuse (J&N), 1995. *Notification of an On-Site Class II Industrial Waste Landfill*. Report prepared for GNB Technologies, Inc. August.
- Pastor, Behling & Wheeler, LLC. (PBW). 2012. *Groundwater Classification Evaluation Discussion*. Memorandum prepared for Exide: November 29.

TCEQ, RG-366/TRRP-8, 2010. Groundwater Classification Guidance Document, M arch.

TCEQ Groundwater Classification Interoffice Memorandum from Gary Beyer: February 7, 2013.

TABLE 1 AQUIFER TEST RESULTS AND CALCULATED WELL **YIELDS**

	Type of	Hydraulic	Saturated	Calculated
Boring/ Well Number	Test	Conductivity	Thickness	Well Yield *
		K (cm/sec)	b (ft)	Q (gpd)
Clay				
B7N	Slug	1.0E-05	10.0	18
MW-14	Slug	4.2E-05	12.0	90
MW-17	Slug	7.6E-04	8.0	565
MW-19	Slug	4.5E-08	10.0	0.3
MW-20	Slug	2.5E-08	9.0	0.2
LMW-9	Slug	2.2E-06	6.0	2.0
Clayey Gravel (Unit GC end	countered in	n boring)		
B5N	Slug	3.8E-03	4.0	654
MW-16S	Slug	1.3E-03	2.0	65
B9N	Slug	1.8E-03	2.0	88
LMW-5	Slug	3.4E-02	4.0	4,975
LMW-7	Slug	2.0E-04	2.0	12
LMW-8	Slug	4.5E-04	2.0	25
Gravels and Sands (Unit SP	/SW/SM/G	M/GW encounter	ed in boring)**	
MW-15	Slug	5.7E-03	4.5	1,192
MW-13	Slug	1.3E-02	2.0	536
LMW-17	Pump	1.2E-01	4.5	19,669
		Geomean K		
Avg for Clay		3.0E-06		
Avg for Clayey Gravel		1.7E-03		
Avg for Gravels or Sands		2.0E-02		

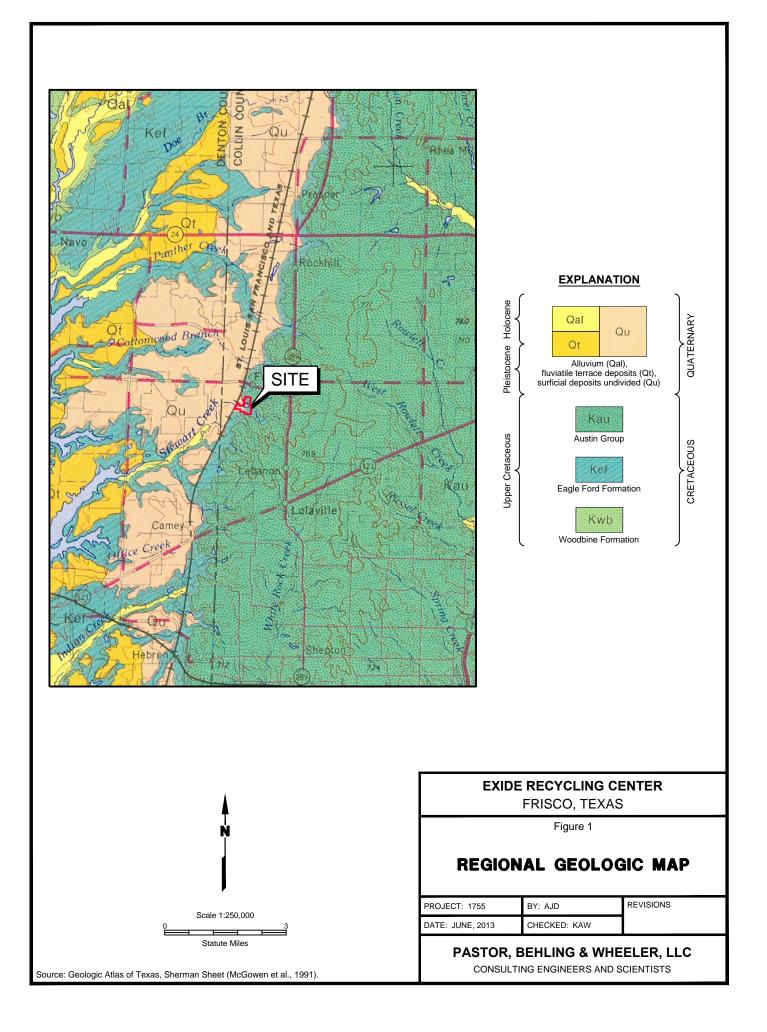
Notes:

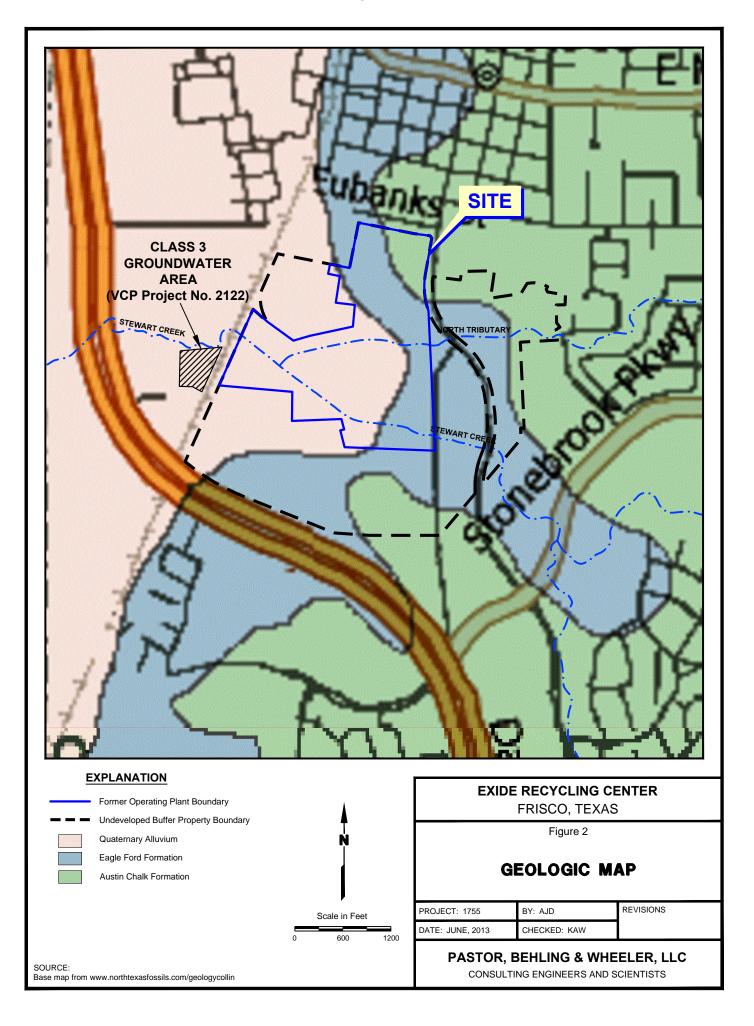
K = hydraulic conductivity

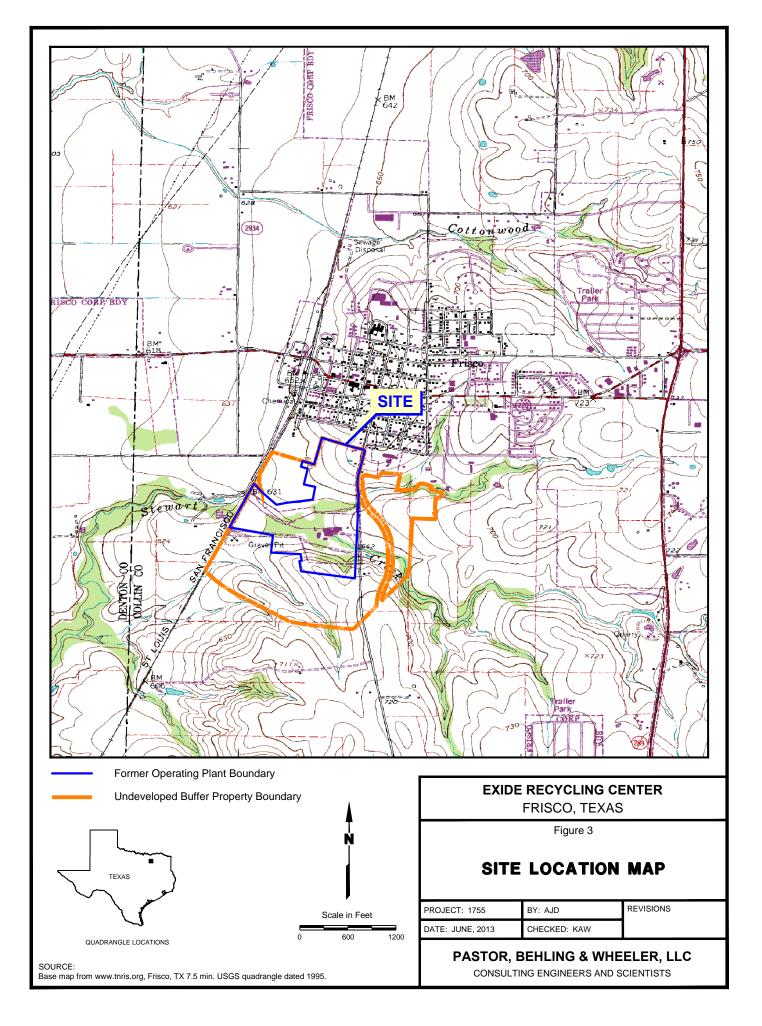
* Well Yield formula from TCEQ TRRP-8 Section 2.7.1, Method 1 Q =

57,923*K*b² 7.2 +log (K*b)

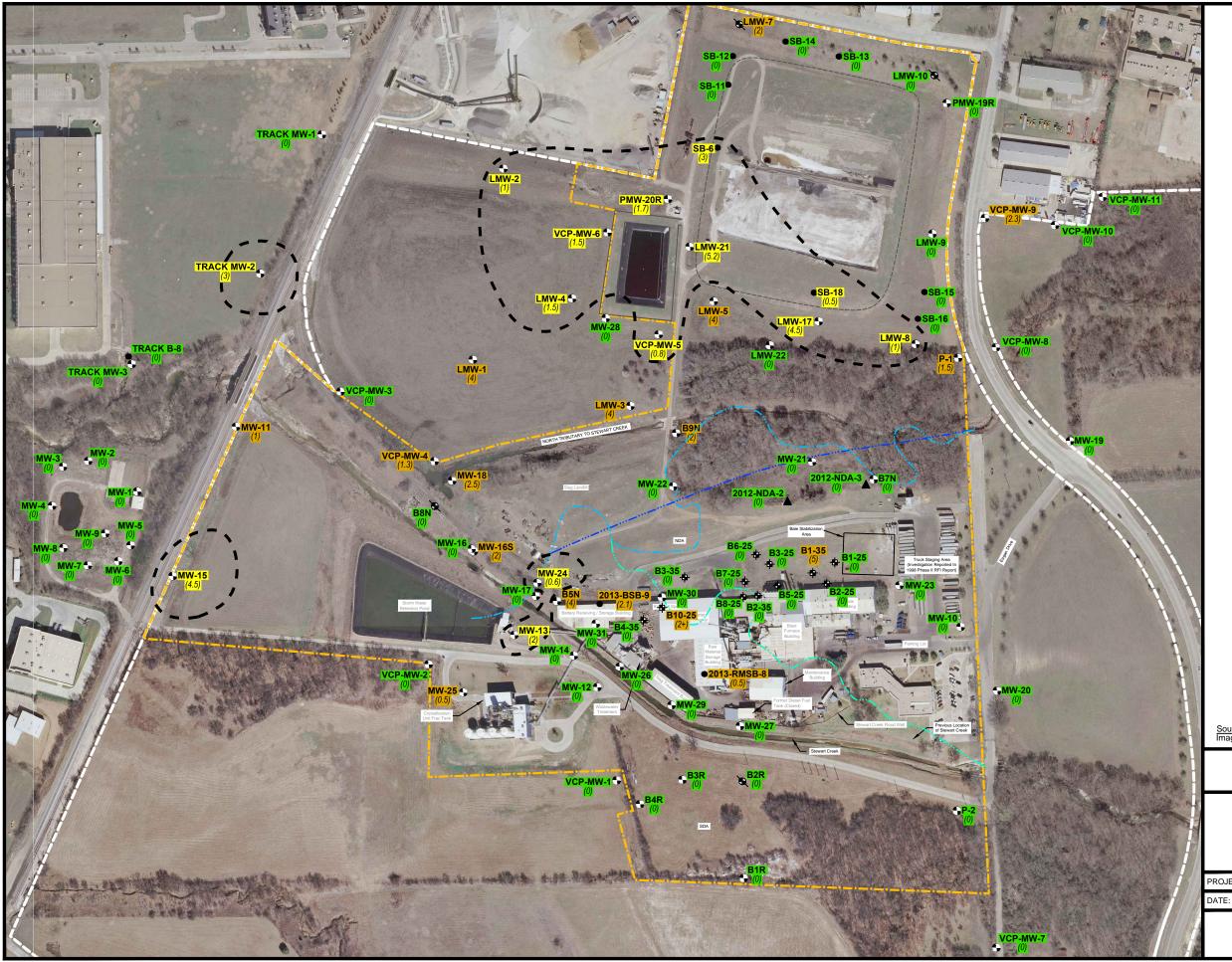
 ** Includes clayey or sandy gravels described as "loose" on boring logs.







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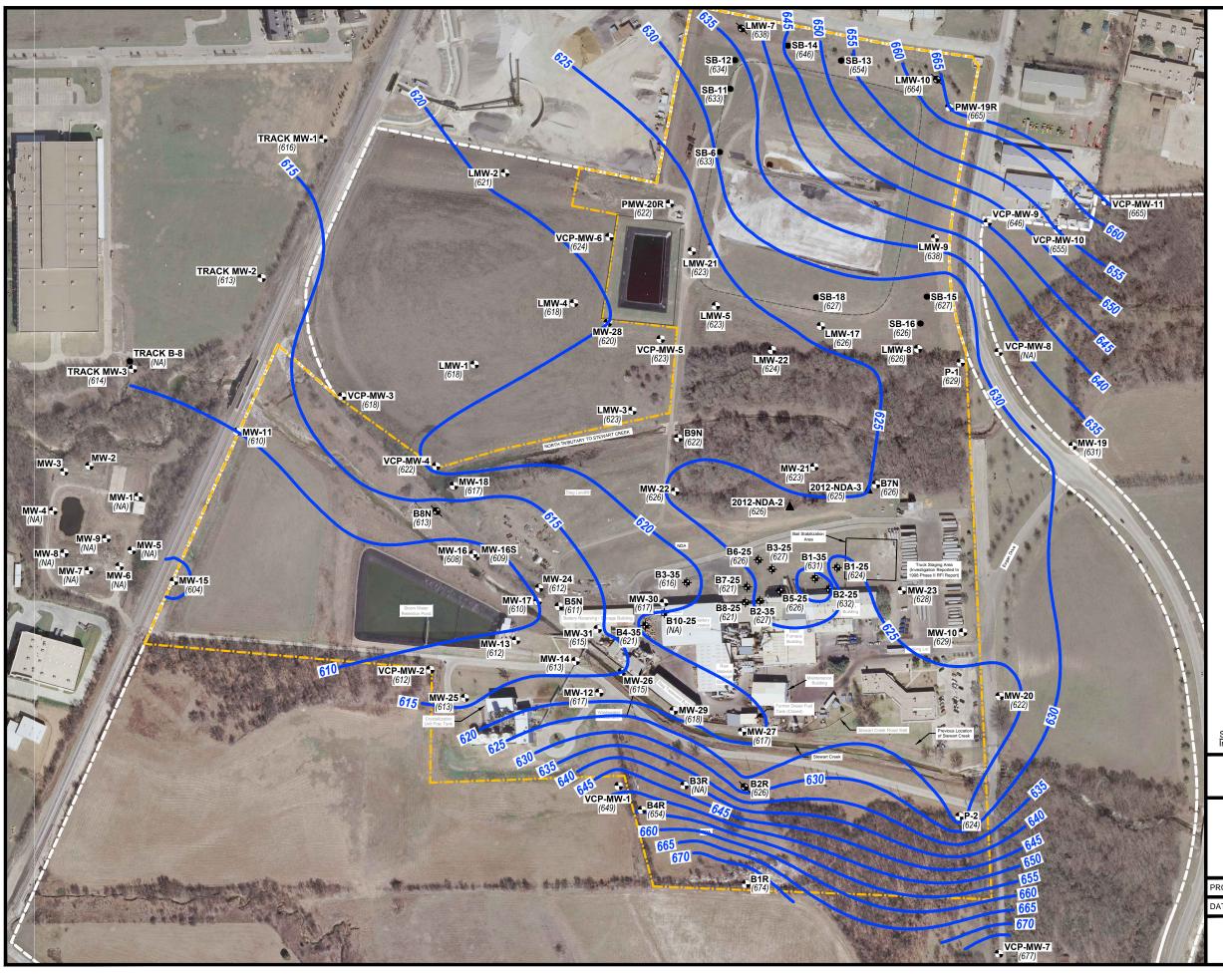
EXPLANATION

—·— I	Former Operating Plar	nt Boundary			
	Jndeveloped Buffer Pi	roperty Boundary			
	Former Path of North 1 1951 Aerial Photo)	Fributary			
	Former Path of North 1 1972 Aerial Photo)	Fributary			
	Former Path of Stewar 1951 Aerial Photo)	t Creek			
() I	Existing Monitoring We	əll			
Ì,	Well Plugged and Aba or Destroyed	ndoned			
• :	Soil Boring				
▲ I	nvestigation Boring				
₽ (Geotech Boring				
	Clayey Gravel/Gravel/ _ens Thickness (Ft.)	Sand			
	No Gravel/Sand Lens	Present			
	Clayey Gravel Present				
	Gravel/Sand Lens pres	sent			
	Approximate Boundary Gravel/Sand Lens	y of			
Source of photo: Imagery from NCTCOG, 2009 photography.					
EXIDE RECYCLING CENTER FRISCO, TEXAS					
GEC	Figure 4 STRIBUTION LOGIC UNIT UVIUM/ALLU	'S IN			
ROJECT: 1755	BY: AJD	REVISIONS			
ATE: JUNE, 2013	CHECKED: KAW				
PASTOR, I	BEHLING & WHE	ELER, LLC			



	On-Site Property Boundary
	FRC Property Boundary
9	Existing Monitoring Well Location
Ì	Well Plugged and Abandoned, Destroyed, or Not Found
M	Staff Gauge
(620.60)	Groundwater/Surface Water Elevation Measured 4/29/13 (Ft MSL)
<u> </u>	Potentiometric Contour (Ft MSL) C.I.=5 Ft
	Inferred Potentiometric Contour

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EXPLANATION

	Former Operating Plant Boundary
--	---------------------------------

- Undeveloped Buffer Property Boundary
 - Existing Monitoring Well
 - Well Plugged and Abandoned or Destroyed
- Soil Boring

9

Ð

- Investigation Boring
- Geotech Boring
- (629) Top of Shale Elevation (Ft. MSL)
- (NA) Data not available
- 630 Top of Shale Contour C.I. = 5 ft.



The seal appearing on this document was authorized by Keith A. Wheeler on 7/9/13.



150 30

Source of photo: Imagery from NCTCOG, 2009 photography.

EXIDE RECYCLING CENTER
FRISCO, TEXAS

Figure 6

TOP OF EAGLE FORD FORMATION ELEVATION

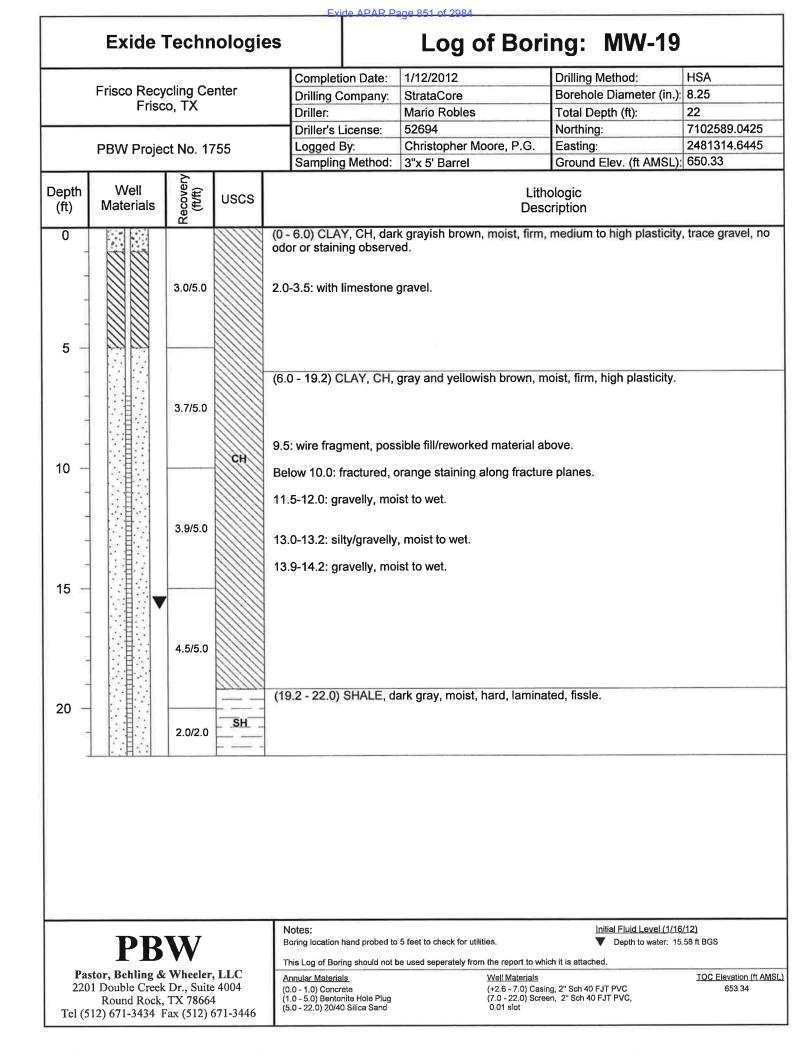
PROJECT: 1755	BY: AJD	REVISIONS			
DATE: JULY, 2013	CHECKED: KAW				
PASTOR, BEHLING & WHEELER, LLC					

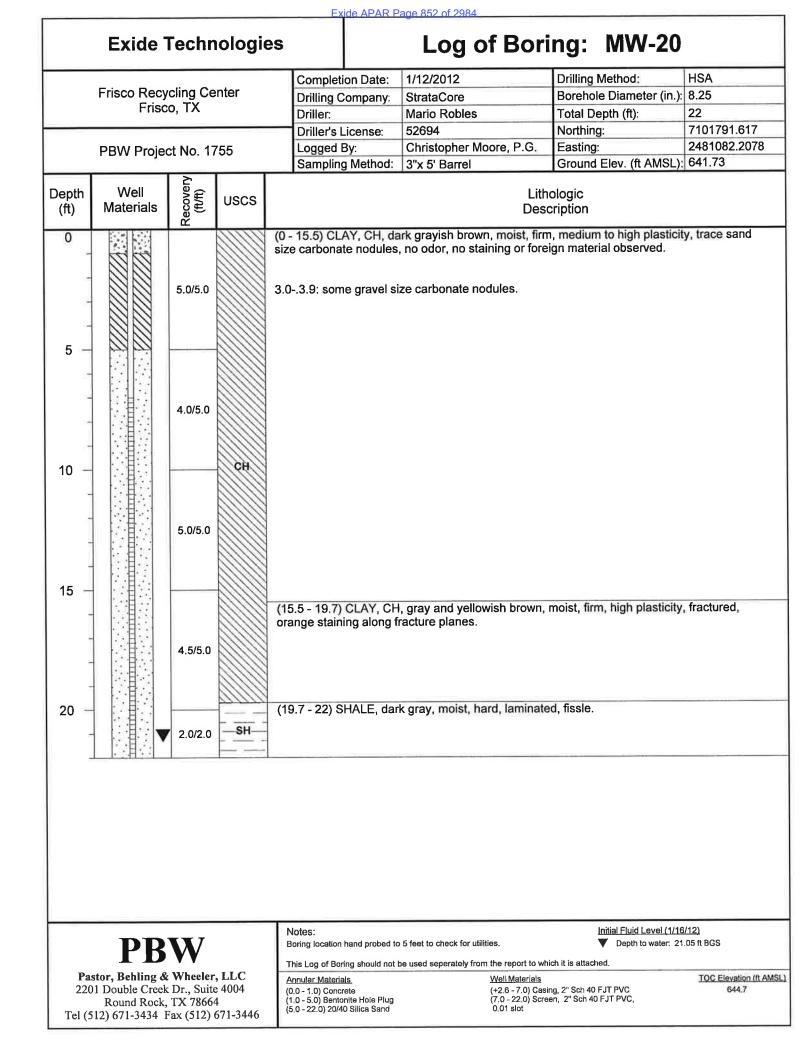
CONSULTING ENGINEERS AND SCIENTISTS

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ATTACHMENT A

BORING LOGS





				Co	mpletion Date:	3/5/2013		Drilling Method:	HSA/DPT
	Frisco Recy		enter	Dr	illing Company:	Strata Core Service		Borehole Diameter (in.):	7.75
	Frisc	co, TX		Dr	iller:	Dan Spaust		Total Depth (ft):	15
				Dr	iller's License:	3038M		Northing:	7102518.8983
	PBW Proje	ot No. 17	55	Lo	gged By:	Tim Jennings, P.G.		Easting:	2480490.8249
	FBW FIUJe	CLINO. 17	55		eld Supervisor:	Tim Jennings, P.G.		Ground Elev. (ft AMSL):	
				Sa	mpling Method:	5' Split Spoon/5' Sa	amp Tube	TOC Elev. (ft AMSL):	635.99
epth ft)	Well Materials	Recovery (ft/ft)	USCS	Sample			Litholog Descrip		
0				0-0.5			rown, abun	idant orange staining (ir	on oxide), mois
-				0.5-2		dium plasticity.	wnish oran	ge, very moist, soft to fi	rm low plasticit
_		3.8/5.0	CL	0.0 2		gravel in clay matrix		ge, rely molet, con to m	, ion plactor
-			////	2-4					
_			CH/	4-5			vn, abunda	nt orange staining (iron	oxide), moist,
5 —				-		to high plasticity. vellv CLAY. light brov	wn and ora	inge, moist, firm, mediur	m plasticity.
					10-30% fine to	medium gravel in cl	lay matrix.		
_		2.5/2.5	/////					nd gray laminations, moi	ist, hard, mediu
-			/////		plasticity, neav	vily weathered shale.			
_			/eL/						
		0.5/0.5							
-		2.5/2.5							
0 —									
0					(40.5.45.0) 0				
-		2.5/2.5			(10.5 - 15.0) S	HALE, gray, moist, h	nard, weatr	iered shale.	
_		210/210							
_			_ SH_						
_		2.5/2.5							
5 —									
				Notes:		used ecocretely frame	a the remark	to which it is attached	
	PB	W			y snould not to be	used separately from	i ine report	to which it is attached.	
Pas	stor, Behling &		LLC		Materials		Materials		
					0) Concrete 5) Bentonite Hole Plug	(+2.33	3 - 3.0) Casing, 2 13.0) Screen 2	2" Sch 40 FJT PVC " Sch 40 FJT PVC,	
2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664					5.0) 20/40 Silica Sand	0.010		0011401011100,	

	Frisco Recy Frisc	/cling Ce co, TX	enter		Completion Date: Drilling Company: Driller:	3/5/2013 Strata Core Services, LLC Dan Spaust	Total Depth (ft):	15	
					Priller's License:	3038M	Northing:	7102440.5654	
	PBW Proje	ct No. 17	55		ogged By:	Tim Jennings, P.G. Tim Jennings, P.G.	Easting: Ground Elev. (ft AMSL):	2480046.6732	
					ield Supervisor: ampling Method:	5' Split Spoon/5' Samp Tu		636.89	
Depth (ft)	Well Materials	Recovery (ft/ft)	USCS	Sampl	T	Lith	ologic pription	000.00	
0				0-0.5	(0 - 1.5) Grave moist, soft, low	lly CLAY, light grayish brow / plasticity.	n, abundant orange stainin	ıg (iron oxide),	
				0.5-2	(15-30) Silty	CLAY, light grayish brown,	abundant orange staining	(iron oxide)	
-		3.5/5.0	(////	-	moist, soft, low		asandani orange sianing		
-		3.5/5.0		2-4	(3.0 - 5.0) Grav	velly CLAY, light gravish bro	own, abundant orange stain	ning (iron oxide)	
-			(CL)		moist, soft, low	soft, low plasticity.			
F			(////	4-5					
5 -	1 []				(5.0 - 7.7) Silty	CLAY, light brown, orange	and gray, moist, firm, medi	ium plasticity.	
-		1.0/2.5							
-			/////	1					
					/		•		
-					(7.7 - 12.3) SH	IALE, gray, brown and oran	ge; moist, firm, weathered.		
-		2.5/2.5							
40									
10 –	1								
-		2.5/2.5							
		2.0/2.0	SH						
					(12.3 - 15.0) S	HALE, gray, dry, hard.			
-									
-		2.5/2.5							
15 –	• • •			•					
	PB	W		Note This		used separately from the rep	ort to which it is attached.		
Pas	stor, Behling &	Wheeler,	LLC		ar Materials	Well Materials			
Pastor, Benning & wheeler, LLC (0.0)					1.0) Concrete	(+3.6 - 3.0) Casir	ng, 2" Sch 40 FJT PVC		
220	Round Rock,				2.5) Bentonite Hole Plug 15.0) 20/40 Silica Sand	(3.0 - 13.0) Scree 0.010 slot	en, 2" Sch 40 FJT PVC,		

Frisco Recycling Center Frisco, TX Drilling Company: Drillers License: 20303M Strata Core Services, LLC Borehole Diameter (in.): 7.75 PBW Project No. 1755 Drillers License: 3033M Northing: True Jennings, P.G. Easting: Ground Elev. (ft AMSL): 644.32 epth (ft) Well Recovery (ft) USCS Sample 0 0.0.5 Sample Description 0 0.0.5 0.0.5 Sample 5.0/5.0 0.0.2 0.0.5 Core of the					C	ompletion Date:	3/5/2013	I	Drilling Method:	HSA/DPT	
Frisco, TX Driller: Dan Spaust Total Depth (ft): 19.5 PBW Project No. 1755 Defiler: Dan Spaust Northing: 7102124.8425 Defiler: Tim Jennings, P.G. Ground Elev. (ft AMSL): 644.32 Sampling Method: 5' Split Spoon/5' Samp Tube TOC Elev. (ft AMSL): 644.15 O -0.5 (ft/ft) M Well Recovery USCS Sample (ft/ft) O -0.5 (ft/ft) O -0.5 (ft/ft) Sampling Method: Sampli				enter							
PBW Project No. 1755 Driller's License: 3038M Northing: 71021248422 epth Well Recovery USCS Tim Jennings, P.G. Easting: 2480769.4386 90 Well Materials 644.13 Cound Elev. (ft AMSL): 644.13 0 0.05 0.0.013 FILL, surficial fill not associated with NDA, no foreign objects (e.g. slag, battery chips or trash) observed, sland with clay, reddish brown, moist, soft. 0 5.0/5.0 0.5-2 FILL, surficial fill not associated with NDA, no foreign objects (e.g. slag, battery chips or trash) observed, sland with clay, reddish brown, moist, soft. 10 5.0/5.0 2-4 (2-6-5.5) Clayey SILT, dark reddish brown, moist, soft. 10 0.5/5.0 0.5/2.0 (5-5-10) Silty CLAY, light brown, moist, soft to firm, high plasticity, ~10-15% carbonate nodules in clay matrix (based on cuttings). 10 2.5/2.5 Cloth (10-12.2) Gravelly, sandy CLAY, light brown, moist, soft to tirm, high plasticity, ~10-15% carbonate nodules in clay matrix (based on cuttings). 11 4.5/5.0 Sitt 2.5/2.5 (12-7.7) SHALE, light brown, orange and gray, moist, firm to hard, laminated possibly heavily weathered shale. 12 4.5/5.0 Sitt (16.2 - 17.7) SHALE, gray, moist, hard.		Frisc	o, TX			* , ,		,	. ,		
PBW Project No. 1755 Logged By: Field Supervisor: Sampling Method: Tim Jennings, P.G. Sampling Method: Easting: Split Sport/Samp Tube TOC Elev. (ft AMSL): 2480769.4386 epth (ft) Well Materials Recovery (ft) USCS Sample Lithologic Description 0 0.52 0.05 0.01 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02						-					
PBW Project No. 1755 Field Supervisor: Tim Jennings, P.G. Ground Elev. (ft AMSL): 644.32 gepth Well Recovery (ft/ft) USCS Sample Lithologic Description 0 0.0.3 0.0.3 Field Supervisor: Sample Lithologic Description 0 0.3 2.6 Fill 0.5.2 0.5.2 Description Description 0.3 5.0/5.0 0.4 2.4 0.5.2 Description Description Description 5 0.5.2 0.5.2 0.5.2 0.5.2 Description transholoserved, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand with clay reduith NDA, no foreign objects (e.g. slag, battery chips or transh observed, sand wit										2480769.4386	
Sampling Method: S' Split Spoon/5' Samp Tube TOC Elev. (ft AMSL): 644.15 epth Well Materials Recovery USCS Sample Lithologic 0 0 0 0.0.3) FILL, surficial fill not associated with NDA, no foreign objects (e.g. slag, battery chips or trash) observed, sand with ADA, no foreign objects (e.g. slag, battery chips or trash) observed, sand with ADA, no foreign objects (e.g. slag, battery chips or trash) observed, sand with ADA, no foreign objects (e.g. slag, battery chips or trash) observed, silty clay/clayey silt, trace gravel, dark reddish brown moist, firm, low plasticity. 5 5.0/5.0 2.4 0.5/5.0 0.5/5.0 2.4 0.5/5.0 </td <td></td> <td>PBW Proje</td> <td>ct No. 17</td> <td>'55</td> <td></td> <td></td> <td></td> <td></td> <td>U</td> <td>644.32</td>		PBW Proje	ct No. 17	'55					U	644.32	
Materials (htf) USCS Sample Description 0 (0 - 0.3) FILL, sufficial fill not associated with NDA, no foreign objects (e.g. slag, battery chips or trash) observed, sand with clay, reddish brown, moist, soft. (0.3-2.6) FILL, sufficial fill not associated with NDA, no foreign objects (e.g. slag, battery chips or trash) observed, silty clay/clayey silt, trace gravel, dark reddish brow moist, firm, low plasticity. 5 5.0/5.0 2.4 (6.5 - 5.5) Clayey SILT, dark reddish brown, moist, soft. (6.5 - 10) Silty CLAY, light brown, moist, soft to firm, high plasticity, ~15% calcareou nodules. 10 0.5/5.0 (10 - 12.2) Gravelly, sandy CLAY, light brown, moist to wet, -20-30% fine to medium gravel and ~10-20% fine to medium sand in clay matrix. (12.2 - 16.2) Silty CLAY, light brown, orange and gray, moist, firm to hard, laminated possibly heavily weathered shale. 15 4.5/5.0 SH (16.2 - 17.7) SHALE, light brown, orange and gray, moist, firm, triable and weathered (17.7 - 20.0) SHALE, gray, moist, hard.											
5 battery chips or trash) observed, sand with Alay, reddish brown, moist, soft. 0.5-2 battery chips or trash) observed, sand with NDA, no foreign objects (e.g. slag, battery chips or trash) observed, silty clay/clayey silt, trace gravel, dark reddish brow moist, firm, low plasticity. 5 5.0/5.0 2.4 10 4.5 10 0.5/2.5 10 2.5/2.5 10 2.5/2.5 10 2.5/2.5 10 2.5/2.5 10 2.5/2.5 10 2.5/2.5 10 2.5/2.5 10 2.5/2.5 10 2.5/2.5 11 2.5/2.5 12 10 13 2.5/2.5 14 5.0/5.0 15 10 16 2.5/2.5 17 10 18 2.5/2.5 19 10.5/5.0 10 10.5/5.0 10 10.5/5.0 11 2.5/2.5 12 10.5/5.0 13 10.5/5.0 14 5/5.0 15	epth (ft)			USCS	Sample	e					
5 4-5 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 0.5/5.0 10 10 - 12.2) Gravelly, sandy CLAY; light brown, moist to wet, -20-30% fine to medium gravel and ~10-20% fine to medium sand in clay matrix. (12.2 - 16.2) Silty CLAY, light brown, orange and gray, moist, firm to hard, laminated possibly heavily weathered shale. 15 16.2 - 17.7) SHALE, light brown, orange and gray, moist, firm, friable and weathered shale. (17.7 - 20.0) SHALE, gray, moist, hard.	5.0/5.0				0.5-2	battery chips of (0.3 - 2.6) FILL battery chips of moist, firm, low (2.6 - 5.5) Clay	r trash) observed, sa , surficial fill not ass r trash) observed, si plasticity.	and with classified with classified with a class	ay, reddish brown, moist h NDA, no foreign objec yey silt, trace gravel, dar	t, soft. ets (e.g. slag, rk reddish browi	
10 - 0.5/5.0 CH 10 - 12.2) Gravelly, sandy CLAY; light brown, moist to wet, -20-30% fine to medium gravel and -10-20% fine to medium sand in clay matrix. (12.2 - 16.2) Silty CLAY, light brown, orange and gray, moist, firm to hard, laminated possibly heavily weathered shale. 15 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	5 -			NL 	4-5					10-15%	
 15 4.5/5.0 CL/CH (10 - 12.2) Gravely, sandy CLAY, light brown, moist to wet, ~20-30% fine to medium gravel and ~10-20% fine to medium sand in clay matrix. (12.2 - 16.2) Silty CLAY, light brown, orange and gray, moist, firm to hard, laminated, possibly heavily weathered shale. (16.2 - 17.7) SHALE, light brown, orange and gray, moist, firm, friable and weathered shale. (17.7 - 20.0) SHALE, gray, moist, hard. 	-		0.5/5.0	СН					utings).		
15 - 2.5/2.5 CL/CH 4.5/5.0 4.5/5.0 SH (17.7 - 20.0) SHALE, gray, moist, hard.	10 — - -		2.5/2.5			gravel and ~10 (12.2 - 16.2) Si	-20% fine to mediun	m sand in c	lay matrix.		
4.5/5.0 4.5/5.0 (17.7 - 20.0) SHALE, gray, moist, hard.	- 15 —		2.5/2.5	сцсн		possibly neaving	y weathered shale.				
	-		4.5/5.0					-	gray, moist, firm, friable	and weathered	
	20 –										
	PBW Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664					ar Materials 2.0) Concrete 3.5) Bentonite Hole Plug 9.5) 20/40 Silica Sand	(17 -	19.5) Screen, 2	Sch 40 FJT PVC " Sch 40 FJT PVC,		

				С	ompletion Date:	3/5/2013	Drilling Method:	HSA/DPT
	Frisco Recy		enter		rilling Company:	Strata Core Services, L		
	Frisc	o, TX			riller:	Dan Spaust	Total Depth (ft):	29
				D	riller's License:	3038M	Northing:	7102133.0317
		at Nia 17		L	ogged By:	Tim Jennings, P.G.	Easting:	2479613.4306
	PBW Proje	CLINO. 17	55		eld Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL)	: 639.62
				S	ampling Method:	5' Split Spoon/5' Samp	Tube TOC Elev. (ft AMSL):	642.96
epth (ft)	h Well Recovery Materials (ft/ft) USCS				e	De	thologic scription	
0				0-0.5	(0 - 5.0) Silty c	lay/clayey silt FILL, moist	, firm, low plasticity, dry and v	very hard 3-5'.
-			*****	0.5-2				
-		5.0/5.0			-			
-				2-4				
-					4			
5 -				4-5				
5							wn and dark grayish brown, li ticity, ~5-10% fine to coarse (
-		1.5/2.5			carbonate cobl			graver III, large
-								
-			FILL					
-		2.5/2.5						
10 -								
10 -			*****					
-		1.5/2.5						
-								
-					(12,8 - 15,9) S	andv clay FILL: dark redo	lish brown, moist, hard, low p	lasticity clay, iro
		2.5/2.5	*****		oxide staining,			

15 –								
-		1.5/2.5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		(15.9 - 18.5) S	ilty, sandy CLAY; dark re	ddish brown, trace iron oxide	staining, moist,
-			/cL/		firm, medium p	lasticity, increasing mois	ture downward.	-
-								
		2.5/2.5	<u></u>	1	(18.5 - 20.2) C	layey SILT, dark brown, v	vet, soft, high plasticity	
-	1 肖		MH	-	(10.0 20.2) 0		ioi, oon, nign plaatoliy.	
20 –			17177		(20.2 - 23.1) 9	ilty CLAY gravish brown	moist to wet, firm, <5% fine of	calcareous
-		0.015 -				and interbedded at 22.5-2		001001 5003
=		3.0/3.0	CH					
			/////	1				
-			SW	1			soft, sub-rounded sand, ~10	-20% clay in fine
-	1	1.0/2.0	/////		to coarse sand (23.7 - 27.5) G		to brown, wet, firm, sub-rour	nded gravel
25 –							avel in clay matrix, sandy gra	
-		1.0/2.5						
-		1.0/2.5						
_			/////	1	(275-281) 9	HALE light brown orang	e and gray, abundant iron ox	ide staining
-		1.5/1.5	SH		weathered.			
-		1			(28.4 - 29.0) S	HALE, gray, dry, very har	d.	
				Notes	s:			
	PB					used separately from the r	report to which it is attached.	
	ΓD	♥♥						
	stor, Behling &				ar Materials 2.0) Concrete	<u>Well Material</u> (+3.34 - 14.0	<u>s</u> I Casing, 2" Sch 40 FJT PVC	
220	1 Double Creek Round Rock,			(2.0 - 1	2.0) Bentonite Hole Plug 29.0) 20/40 Silica Sand	(14.0 - 29.0) 0.010 slot	Screen, 2" Sch 40 FJT PVC,	
Tal (5	12) 671-3434 F							

				Co	ompletion Date:	2/27/2013	Drilling Method:	HSA
	Frisco Recy		enter		illing Company:	Strata Core Services, LLC	Borehole Diameter (in.):	
	Frisc	co, TX			iller:	Chris Combs	Total Depth (ft):	22
				Dr	iller's License:	56033	Northing:	7101782.1994
	PBW Proje	ot No. 17	766	Lc	ogged By:	Roberta Russell	Easting:	2479376.889
	FBW FIUJe	CLINO. 17	55		eld Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL):	633.36
				Sa	ampling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	635.85
epth ft)	Well Materials	Recovery (ft/ft)	USCS	Sample		Lithol Descri		
0		5.0/5.0			plasticity, very	CLAY/Clayey SILT, dark redo moist at 13.5 to 15.0', gravell 16.5-16.7', 17.5-17.9'.		
5		5.0/5.0						
0 -		5.0/5.0	CLIML					
5		5.0/5.0						
20 –		1.0/1.0	GC		(20.0 - 20.5) G	RAVEL with clay; wet, soft, lo	w plasticity clay (~20% cl	ay).
-			<u></u>		(20.5 - 21.0) S (21.0 - 22.0) N	HALE, dry, hard. lo recovery		
		0.0/1.0	NR			,		

				Co	ompletion Date:	3/6/2013	Drilling Method:	HSA
	Frisco Recy		nter	-	illing Company:	Strata Core Services, LLC	Borehole Diameter (in.)	
	Frisc	co, TX			iller:	Dan Spaust	Total Depth (ft):	15
				Dr	iller's License:	3038M	Northing:	7101865.0034
	PBW Proje	ot No. 17	55	Lc	ogged By:	Tim Jennings, P.G.	Easting:	2479876.33
	FBW FIUJe	CLINO. 17	55		eld Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL)	
	-			Sa	ampling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	631.93
epth (ft)	Materials (ft/ft) USCS			Sample		Desc	blogic ription	
0					(0 - 1.0) Sandy	/ CLAY, light reddish brown,	moist, firm, low plasticity.	
-					(1.0 - 5.0) Silty	CLAY, dark reddish brown,	trace iron oxide orange s	taining, moist, w
_					(1.0 - 5.0) Silty CLAY, dark reddish brown, trace iron oxide orange staini at 3', soft to firm, low plasticity.			
		4.0/5.0	/ci//					
-								
-								
			/////					
5 —					(5.0 - 9.4) Siltv	CLAY, brown, moist to wet,	firm, high plasticitv.	
_			/////			, . ,	, , ,	
		1.5/2.5	/////					
-			Сн					
-			////					
-		2.5/2.5						
~					(9.4 - 10.8) Gra	avelly CLAY, brown, moist to	o wet, firm, medium plastic	ity clay, ~20-40 ^o
0 —					fine to medium	n gravel.		
-		1 5/0 5			(10.8 - 13.0) S	ilty CLAY, light brown and o	range. laminated with trace	e iron oxide
		1.5/2.5	/////			to wet, firm, medium plastic		
-								
_						···· -		
		1.5/2.5				HALE, gray, orange and ligh d at 14.5 to 15', low plasticity		above 14', dry,
-		1.3/2.3	SH			a at 14.5 to 15, low plasticity	, weathered.	
5 —								
•								
				Nistaa				
				Notes This lo		e used separately from the rep	ort to which it is attached.	
	PB	VV				,,		
Pas	stor, Behling &	Wheeler,	LLC		r Materials	Well Materials		
220	1 Double Creek Round Rock,	Dr., Suite	4004	(2.0 - 4.	0) Concrete 0) Bentonite Hole Plug 5.0) 20/40 Silica Sand	(5.0 - 15.0) Scree	ng, 2" Sch 40 FJT PVC n, 2" Sch 40 FJT PVC,	
						0.010 slot		

					Comple	tion Date:	3/6/2013		Drilling Method:	HSA/DPT
	Frisco Recy		nter			Company:	Strata Core S	ervices LLC	Borehole Diameter (in.):	
		o, TX			Driller:	Sompany.	Dan Spaust	5. 11000, LLU	Total Depth (ft):	15
						License:	3038M		Northing:	7101675.2344
					Logged		Tim Jennings	, P.G.	Easting:	2480260.288
	PBW Proje	ct No. 17	55			upervisor:	Tim Jennings		Ground Elev. (ft AMSL):	
					Samplir	ng Method:	5' Split Spoon/5	5' Samp Tube	TOC Elev. (ft AMSL):	633.42
epth (ft)	Well Materials	Recovery (ft/ft)	USCS	Sam	ole (pp				ithologic escription	
0				0-0. 0.5-	0	nlaet	2.5) Silty CLAY, icity, moderate I		brown, moist, soft, low to dor below 1'.	medium
-		4.5/5.0 CL		2-4			(2.5 - 5.0) Silty CLAY, yellowish brown, wet, very soft, low to medium plasticity, trace sand, some black staining, moderate hydrocarbon odor.			
5 -	2.5/2.5				12	~5%	- 7.0) Sandy, cla fine gravel, mo		y, moist to wet, soft, high arbon odor.	plasticity clay,
-					6	b calca	areous nodules,	moderate hyd	o wet, soft, high plasticity rocarbon odor. gray, moist to wet, locally	
- 10	10 - 2.5/2.5 CH				1	nlast			gray, moist to wet, locali dium sand, ~5-10% fine o	
-					0	(11.5	5 - 13.4) Gravell 40% fine to med		moist, firm, medium plas	ticity clay,
-		2.5/2.5			0.	.5		Ū	nge, moist, hard, low plas	sticity.
-		2.0/2.0	SH		1.	⁸ weat	hered.			<i>,</i> ,
15 –						(14.6	6 - 15.0) SHALE	<u>, gray, dry, ha</u> ı	d.	
	DD			Note	es:					
	PB stor, Behling &	Wheeler,			boring	-	ot be used separ	ately from the re Well Materials	eport to which it is attached	d.
220	1 Double Creek Round Rock,		4004	(0.0	- 2.0) Conc			(+3.53 - 5.0) Casing	g, 2" Sch 40 FJT PVC 2" Sch 40 FJT PVC,	

				Co	ompletion Date:	2/27/2013	Drilling Method:	HSA
	Frisco Recy	cling Ce	nter	Dr	illing Company:	Strata Core Services, LL		
	Frisc	o, TX			iller:	Chris Combs	Total Depth (ft):	20
				Dr	iller's License:	56033	Northing:	7102977.6985
		ot No. 17	55	Lo	ogged By:	Roberta Russell	Easting:	2479831.956
	PBW Proje	SUNO. 17	55		eld Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMS	
				Sa	ampling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	642.91
pth ft)	Well Materials	Recovery (ft/ft)	USCS	Sample			hologic scription	
0		5.0/5.0	CLINIL			CLAY/Clayey SILT, dark r areous nodules starting at		low to medium
0 — - - -		4.2/5.0	CL		medium plastic	Fravelly CLAY, yellowish bi city clay, calcareous nodul andy CLAY, yellowish brow dules.	es, ~10% gravel in clay n	natrix.
5 - -		5.0/5.0	CLIMIL		medium plastic		llowish brown, moist, soft	to firm, low to
.0 –			SH		(19.5 - 20.0) S	HALE, dry, hard.		
	DD			Notes This lo		e used separately from the re	eport to which it is attached.	
	PB	VV						
Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004					<u>r Materials</u> 5) Concrete 0) Bentonite Grout	<u>Well Materials</u> (+3.44 - 5.0) C (5.0 - 20.0) Sc	asing, 2" Sch 40 FJT PVC reen, 2" Sch 40 FJT PVC,	

					Completi	on Date:	3/6/2013		Drilling Method:	HSA/DPT		
	Frisco Recy		enter		-	company:	Strata Core S	Services, LLC	Borehole Diameter (in.)	: 7.75		
	Frisc	o, TX			Driller:		Dan Spaust		Total Depth (ft):	15		
					Driller's L	icense:	3038M		Northing:	7101741.6829		
	PBW Proje	et No. 17	766		Logged E	By:	Tim Jennings	, P.G.	Easting:	2480041.8696		
	FBWFIUJe	CUNO. 17	55		Field Sup		Tim Jennings		Ground Elev. (ft AMSL)			
				!	Sampling	g Method:	5' Split Spoor	n/5' Samp Tube	TOC Elev. (ft AMSL):	633.51		
epth (ft)	Well Materials	Recovery (ft/ft)	USCS	Samp				Lithol Descri	ption			
0		5.0/5.0	CL/ML	0-0.5 0.5-2 2-4 4-5	0-0. 2	5', moist, v	vet at 4', firm to	hard, low plas	sh brown, orange iron oxi ticity, clayey gravel lens f	from 2.6-2.7'.		
-		2.5/2.5					/ CLAY, dark g I in silty clay m		noist to wet, firm, high pla	asticity, fine to		
- - 10 —		1.5/2.5	СН		(8.0	- 11.4) Sil	ty CLAY, light I	prown, moist, fi	rm, high plasticity, <5% fi	ne gravel.		
-		1.5/2.5				4 - 14.0) S ticity, wea		d orange, trace	e iron oxide, moist, firm to	hard, medium		
-		2.5/2.5	SH 		(14.	0 - 15.0) S	HALE, gray, di	y, hard.				
						Notes: This log should not to be used separately from the report to which it is attached.						
Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004									g, 2" Sch 40 FJT PVC 2" Sch 40 FJT PVC,			

						2/28/2042					
	Frisco Recy	vclina Ce	enter		mpletion Date:	3/28/2013	Drilling Method: LC Borehole Diameter (in	HSA			
		co, TX			illing Company:	Strata Core Services, L		,			
					iller:	Dan Spaust 3038M	Total Depth (ft):	32.5			
					iller's License:	Tim Jennings, P.G.	Northing: Easting:	7102086.1889 2480011.0566			
	PBW Proje	ct No. 17	755		gged By:	Tim Jennings, P.G.	Ground Elev. (ft AMS				
					eld Supervisor: mpling Method:	5' Split Spoon	TOC Elev. (ft AMSL):				
epth	Well	Recovery	USCS	Sample		L	ithologic	043.140473			
(ft) 0	Materials	(ft/ft)	//CL//	0-0.5			escription ayish brown, moist, firm, me	dium plasticity			
0 -				0.5-2	~10-20% fine t		fine to coarse gravel and co				
-		0.5/5			\balast). (0.5 - 5.0) No F	Recovery					
-		0.5/5	NR	2-4							
-					4						
5 —			*****	4-5							
5					(5.0 - 20.9) FIL plasticity, trace		n brown, moist to wet, soft, n	nedium to high			
-						e or fille gravel,					
-		1.3/5									
-											
-			*****								
10 -	77 77		****								
-		1/2 5	****								
_		1/2.5	*****								
-		2.5/2.5	*****								
-		2.3/2.3	*****								
15 —			*****								
-			*****								
-			FILL								
-		2/5	*****								
_			*****								
~~			*****								
20 –			*****								
-		2.5/2.5	*****		(20.9 - 26.5) F	ILL, gravelly clay, light br	own, wet, soft, high plasticit	y, ~30-40% fine			
-					gravel in clay r	natrix, wood fragments lo	ocally to 25'.				
-											
-		2.5/2.5	*****								
25 —			*****								
20			*****								
-	1	2.5/2.5			(26 E 20 E) E		m to hard modium placeticity	1 10 E00/ fine to			
-	1				(20.3 - 28.5) F medium grave	I in clay matrix. Dieces of	m to hard, medium plasticity slag/lead at 28', shell fragm	, ~40-50% line to			
-					U U		0				
-		2.5/2.5				HALE, gray and orange,	abundant fe ox staining, we	t, hard, medium			
30 -					plasticity.						
-		25/25	SH -		(30.5 - 32.5) S	HALE, gray, moist, no ce	ementation, very hard.				
-		2.5/2.5									
		1									
					lotes: his log should not to be used separately from the report to which it is attached.						
				Appule							
	stor, Behling & 1 Double Creek			(0.0 - 2.0)) Concrete	<u>Well Materia</u> (0 - 12.0) Ca	sing, 2" Sch 40 FJT PVC				
220	Round Rock,				.0) Bentonite Hole Plug 2.5) 20/40 Silica Sand	(12.0 - 32.0) 0.010 slot	Screen, 2" Sch 40 FJT PVC,				
Tel (5	12) 671-3434 F			1							

				0	Completio	n Date:	5/9/2013		Drilling Method:	HSA
	Frisco Recy		enter		Drilling Co		Strata Core Serv	ices, LLC	Borehole Diameter (in.):	7.75
	Frisc	o, TX			Driller:	. ,	Margarito Estrad		Total Depth (ft):	24
					Driller's Lie	cense:	58164		Northing:	7102001.9818
		ot No. 17		L	ogged By	/:	Tim Jennings, P.	G.	Easting:	2479800.4009
	PBW Proje	CLINO. 17	55		ield Supe		Tim Jennings, P.	G.	Ground Elev. (ft AMSL):	637.17
				5	Sampling	Method:	5' Split Spoon		TOC Elev. (ft AMSL):	636.71
epth (ft)	Well Materials	Recovery (ft/ft)	USCS	Sampl				Litholo Descrij		
0			CON		(0 - 0	.9) CONC	CRETE SLAB			
-	_		~~~~		(0.9 -	5.8) FILL	, clayey sand and	sandy clay,	, orange, trace iron oxide	nodules.
				0.9-2	,	,			U	
		4/5	*****							
-			*****							

-			FILL							
5 -										
									_	
									pist to wet, dark brown, tra	ace battery chip
-			*****	5.8-8	at 5.8	-8', wet a	t 9.5', slag observ	ea.		
		5/5	*****							
-			~~~~~		(8 - 1)	6) Silty cl	ay, dark brown.			
					(0.1	o) oy o.	ay, aam bronni			
-	1 []]			9.5						
10 -										
-										
		5/5								
-										
-	1									
15 -										
-					(16 - 2	21) Silty (CLAY and clayey S	SILT, trace of	gravel and sand, greater	sand content w
							sh brown.		g	
-	1									
-										
-										
20 -		cuttings								
20										
-			/////		(21	22) Grove		ine to modi	um gravel in clay matrix.	
			/////		(21-	LZ) GIAVE	Sily OLAT, ~20% I		ani yiavei ili Gay Illallix.	
-	1 1				(22 - 2	24) SHAL	E potentially, drilli	ng more dif	ficult.	
-			SH				· •	-		
-				1						
				Note	s.					
	DD					I not to be	used separately fro	om the repor	t to which it is attached.	
	PB	VV			-			•		
Pa	stor, Behling &	Wheeler,	LLC		lar Materials			ell Materials		
220	1 Double Creek	Dr., Suite	4004	(2.0 -	2.0) Concrete 6.0) Bentonite	Hole Plug	(8.		Sch 40 FJT PVC 2" Sch 40 FJT PVC,	
	Round Rock, 12) 671-3434 F	1X 78664		(6.0 -	23.0) 20/40 Si	lica sand	0.0	010 slot		

	Frisco Recy Frisc	ycling Ce co, TX	enter		Completion Date: Prilling Company: Priller: Priller's License:	2/26/2013 Strata Core Services, LLC Dan Spaust 3038M	Drilling Method: Borehole Diameter (in.): Total Depth (ft): Northing:	HSA 7.75 20 7103664.081		
	PBW Proje	ct No. 17	' 55	L	ogged By: ield Supervisor: ampling Method:	Roberta Russell Tim Jennings, P.G. 5' Split Spoon	Easting: Ground Elev. (ft AMSL): TOC Elev. (ft AMSL):	2480920.3742		
Depth (ft)	Well Materials	Recovery (ft/ft)	USCS	Sampl	e	Lithol Descri				
0 -		3.6/5.0	GL	0-0.5 0.5-2 2-4 4-5	plasticity, abur (3.0 - 13.0) Cla	with trace gravel, dark reddia adant calcareous nodules. ayey SILT/Silty CLAY, dark re very hard, low plasticity, friabl	sh brown, moist, soft to fin ddish brown, yellowish br			
5		3.1/5.0	CLIML							
10 — - - 15 —		3.4/5.0	SCICL		(iron oxide), m (14.0 - 19.0) S	layey SAND/Sandy CLAY, lig oist, soft, low plasticity. HALE, dark gray with orange s), dry to slightly moist, soft to	staining (iron oxide along	fractures and		
-		4.5/5.0								
- 20 –					(19.0 - 20.0) S	HALE, dark gray, dry, very ha	ard.			
				Note	ç.					
Pas	PBW Pastor Behling & Wheeler LLC			This Annul	Annular Materials Well Materials (0.0 - 0.5) Concrete (+3.34 - 4.0) Casing, 2" Sch 40 FJT PVC (0.5 - 1.0) Bentonite Grout (4.0 - 19.0) Screen. 2" Sch 40 FJT PVC					

				c	ompletion Date:	2/26/2013	Drilling Method:	HSA			
	Frisco Recy		enter		rilling Company:	Strata Core Services, LLC	Borehole Diameter (in.):				
	Frisc	co, TX			riller:	Chris Combs	Total Depth (ft):	25			
					riller's License:	56033	Northing:	7103357.9244			
					ogged By:	Roberta Russell	Easting:	2480030.2079			
	PBW Proje	ct No. 17	755		ield Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL):				
					ampling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	648.09			
epth (ft)	Well Materials	Recovery (ft/ft)	USCS	Sample		Lithol	logic	1			
0	Materials	(iuii)		0-0.5	(0 - 2 6) CLAY	, dark reddish brown, moist, s					
0	0.010			0-0.0		, dan reduisit brown, moist, t	son, high plasticity.				
-			(CH)	0.5-2							
-	~~~~				_						
		5.0/5.0	<u></u>		(2.6.7.5) (10)	www.SILT. dark raddich brown	dry to maint yory hard l				
-				2-4		vey SILT, dark reddish brown rate calcareous nodules.	, ary to moist, very hald, l	ບາາ plasticity,			
-	\otimes		•••								
	\otimes		•••	4-5							
5 -			ML ···								
-	\otimes		· <u> </u>								
-	\otimes		····								
		2.7/5.0	77777	/	(7.5 - 11.0) Sa	ndy CLAY/Clayey SAND, mo	ist, soft to firm, low plastic	ity, more clay			
-						undant calcareous nodules.		ing, more elay			
-											
			SCICL								
10 -											
-						LAY, reddish yellow, with trac		oist, firm, low to			
-					medium plasti	city, very fine to medium grav	el (5-20%) in clay matrix.				
		5.0/5.0									
-											
15 -											
			//////								
-											
-											
		5.0/5.0									
-	1		/////								
-			/////								
					(40.5.00.0) 0		1	00/ -1			
20 -	- []		GC O	-	(19.5 - 20.0) G	RAVEL with clay; reddish yel CLAY with gravel; reddish yell	10W, Wet, Very Soft, ~20-30	0% clay matrix.			
			CL			<5% carbonate gravel in clay		mediam			
-						5 ,					
-					(21.8 - 23.0) G	RAVEL with clay; reddish yel	low, wet, soft, 30-40% lov	v to medium			
		5.0/5.0	GC			matrix in fine to medium grave					
-	1 []]		//ci//			LAY with gravel; reddish yello		o medium			
-					plasticity clay,	30-40% fine to medium grave	el.				
20 - 5.0/5.0 5.0/5.0 CL						HALE, dark gray, dry, very ha	ard, low to medium plastic	ity, fissile, sligh			
25 –		l			weathered.						
	PB	W			Notes: This log should not to be used separately from the report to which it is attached.						
Pa	stor, Behling &	• •	LLC		ar Materials	Well Materials					
	1 Double Creek				2.0) Concrete 7.0) Bentonite Grout		ng, 2" Sch 40 FJT PVC n, 2" Sch 40 FJT PVC,				
	Round Rock,	TY 78664			0.0) Bentonite Hole Plug	0.010 slot					

			ologi			Log of Bori					
	Frisco Recy Frisc	/cling Ce co, TX	enter	C	Completion Date: Drilling Company: Driller:	2/27/2013 Strata Core Services, LLC Chris Combs	Drilling Method: Borehole Diameter (in.): Total Depth (ft):	HSA 7.75 25			
					Driller's License:	56033	Northing:	7103205.9759			
	PBW Proje	ct No. 17	755	F	ogged By: field Supervisor: Sampling Method:	Tim Jennings, P.G.Tim Jennings, P.G.5' Split Spoon	Easting: Ground Elev. (ft AMSL): TOC Elev. (ft AMSL):	2480099.7956 645.12 648.28			
Depth (ft)	Well Materials	Recovery (ft/ft)	USCS	Sampl	e	Litho Descr					
0				0-0.5	~20-30% fine	dy, gravelly CLAY; wet, very so sand and fine gravel.					
-		5.0/5.0	СН	2-4	(111 110) 0	y CLAY, dark gray, moist, firm e carbonate gravel below 5'.	i to hard, no dilatancy, me	dium to high			
5		5.0/5.0		4-5		layey, gravelly SAND; light bro icity clay, ~10-20% clay and ~					
- 10 — - -		5.0/5.0	SW			Clayey SILT, light brown, mois	-				
- 15 —			SW	-	at 15.8-16', fi	Gravelly, clayey SAND; light b rm to soft, ~40-50% fine to me	dium gravel, ~5-10% clay				
-	2.5/5.0 (16.0 - 17.2) Sandy SILT, light brown, wet, soft, medium plasticity. (17.2 - 21.8) Sandy, gravelly CLAY; wet to dry, firm to hard, medium plasticity of fine to medium gravel (~5-10%) and fine to coarse sand (~10-20%) in clay mat										
20		2.2/5.0			(21.8 - 25.0) \$	SHALE, brownish gray, dry, ve	ery hard.				
25 —											
	PB	W			Notes: This log should not to be used separately from the report to which it is attached.						
220	stor, Behling & 1 Double Creek Round Rock, 12) 671-3434 F	Wheeler, Dr., Suite TX 78664	4004	(0.0 - (2.0 -	lar Materials 2.0) Concrete 8.0) Bentonite Hole Plug 25.0) 20/40 Silica Sand	<u>Well Materials</u> (+3.16 - 10.0) Casi (10.0 - 25.0) Scree 0.010 slot	ng, 2" Sch 40 FJT PVC n, 2" Sch 40 FJT PVC,				

Frisco Rec <u>y</u> Frisc				Completion Date:	2/27/2013	Drilling Method:	HSA
Friso		enter		Drilling Company:	Strata Core Services, LLC	Borehole Diameter (in.):	
	co, TX			Driller:	Dan Spaust	Total Depth (ft):	20
				Driller's License:	3038M	Northing:	7102891.2829
			L	.ogged By:	Roberta Russell	Easting:	2480355.4657
PBW Proje	CT INO. 17	55	F	ield Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL):	643.32
			5	Sampling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	646.71
Well Materials	Recovery (ft/ft)	USCS	Sampl	e			
	. ,	/////	0-0.5	(0 - 12.5) CLA	Y/Silty CLAY, dark reddish br	own, yellowish brown from	n 9-12.5', moist
\approx		////	0.5.2		w to medium plasticity, ~10%	calcareous nodules from	9-12.5'.
		/////	0.5-2				
\square \square	4.5/5.0			-			
	7.0/0.0		2-4				
		////					
		////	4-5	7			
				_			
		/////					
		/////					
	4.4/5.0	////					
		////					
		////					
		/////					
		////					
	4.0/5.0			(12.5 - 13.0) (CLAY with gravel; yellowish br	own, moist, soft, low plast	ticity, ~30-40%
				gravel in clay	matrix.	•	•
				(13.0 - 16.0) S	Sandy CLAY, yellowish brown,	moist, soft, low plasticity.	
		////					
		////		(16.0 47.0) (n 20.400/ max - 1	motrix
		/////		(10.0 - 17.0) (STAVEILY CLAY, YEIIOWISH DROW	n, ~30-40% gravel in clay	matrix.
	13/50				Silty CLAY, grayish brown with	orange staining, very mo	ist, soft to firm,
	3/3.0	/////		low plasticity.			
		/////					
		SH		(19.5 - 20.0) S	SHALE, gray, dry, hard, low to	medium plasticity.	
	Materials	Materials (ft/ft) 4.5/5.0 4.4/5.0 4.0/5.0	Materials (ft/ft) USCS 4.5/5.0 4.5/5.0 4.4/5.0 4.4/5.0 4.4/5.0 CL 4.0/5.0 4.3/5.0	Materials (ft/ft) USCS Sample 0-0.5 0.5-2 0.5-2 0.5-2 4.5/5.0 2-4 4-5 4-5 4.4/5.0 2-4 4-5 4.0/5.0 0.5-2 4-5 4.3/5.0 0.5-2 4-5	Materials (ft/ft) USCS Sample 0-0.5 (0 - 12.5) CLA soft to firm, loo 0.5-2 soft to firm, loo 4.5/5.0 2-4 4-5 4-5 4.4/5.0 2-4 4-5 4-5 4.0/5.0 0.5-2 (12.5 - 13.0) C gravel in clay (13.0 - 16.0) S 4.3/5.0 4.3/5.0 (16.0 - 17.0) C (17.0 - 19.5) S	Materials (ft/ft) USCS Sample Descr 0-0.5 0.5-2 (0 - 12.5) CLAY/Silty CLAY, dark reddish br soft to firm, low to medium plasticity, ~10% 4.5/5.0 2-4 4.4/5.0 4-5 4.4/5.0	Materials (ftf) USCS Sample Description 0.5-2 0.5-2 0.5-2 0.5-2 0.5-2 4.5/5.0 2-4 4-5 4-5 4.4/5.0 2-4 4-5 4.0/5.0 2-4 (12.5 - 13.0) CLAY with gravel; yellowish brown, moist, soft, low plast gravel in clay matrix. (13.0 - 16.0) Sandy CLAY, yellowish brown, moist, soft, low plasticity. 4.0/5.0 (16.0 - 17.0) Gravelly CLAY, yellowish brown, moist, soft, low plasticity. (16.0 - 17.0) Gravelly CLAY, grayish brown with orange staining, very molow plasticity.

	Exide ⁻	Techn	ologi	es	EXUE APAR	Log of Bori	ng: VCP-MV	/-1
	Frisco Recy Frisc	vcling Ce :o, TX	enter		Completion Date: Drilling Company: Driller:	2/28/2013 Strata Core Services, LLC Chris Combs	Drilling Method: Borehole Diameter (in.): Total Depth (ft):	10
	PBW Projec	ct No. 17	755		Driller's License: Logged By: Field Supervisor: Sampling Method:	56033Tim Jennings, P.G.Tim Jennings, P.G.5' Split Spoon	Northing: Easting: Ground Elev. (ft AMSL): TOC Elev. (ft AMSL):	7101501.9575 2479866.9837 652.99 655.88
Depth (ft)	Well Materials	Recovery (ft/ft)	USCS	PIE (ppr	n)	Litholo	otion	
0		5.0/5.0	MH SH	0.9 1.2 1.2 0.7 0.5 1.3 1.1 1.3 0.9	(3.6 - 7.5) SH (3.6 - 7.5) SH plasticity, wea (7.5 - 10.0) S	ey SILT, grayish brown, moist ALE, light brown, orange and thered.		
- 10 —				8.0				

PBW

Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664 Tel (512) 671-3434 Fax (512) 671-3446 Notes:

This boring log should not be used separately from the report to which it is attached.

Annular Materials (0.0 - 1.0) Concrete (1.0 - 2.0) Bentonite Hole Plug (2.0 - 10.0) 20/40 Silica Sand Well Materials (+2.89 - 2.5) Casing, 2" Sch 40 FJT PVC (2.5 - 10.0) Screen, 2" Sch 40 FJT PVC, 0.010 slot

Exide APAR Page 869 of 2984

Frisco Red Fris PBW Proj	ect No. 17 Recovery	755 USCS	Dr Dr Dr Lo Fie Sa PID (ppm) 6.2 7.0 9.3 8.7 7.2	abundant roots	Strata Core Services, LLC Chris Combs 56033 Tim Jennings, P.G. 5' Split Spoon Litho Descr y SILT, dark grayish brown, s to 4'.	Total Depth (ft): Northing: Easting: Ground Elev. (ft AMSL) TOC Elev. (ft AMSL): logic iption	20 7101872.3093 2479265.8773 627.74 631.16		
PBW Proj	ect No. 17 Recovery (ft/ft) 5.0/5.0		Dr Lo Fie Sa PID (ppm) 6.2 7.0 9.3 8.7 7.2	iller's License: gged By: eld Supervisor: mpling Method: (0 - 4.0) Claye abundant roots	56033 Tim Jennings, P.G. Tim Jennings, P.G. 5' Split Spoon Litho Descr y SILT, dark grayish brown,	Northing: Easting: Ground Elev. (ft AMSL) TOC Elev. (ft AMSL): logic iption	7101872.3093 2479265.8773 627.74 631.16		
epth Well (ft) Materials 0 - 5 5 - 5	5.0/5.0		Lo Fie Sa PID (ppm) 6.2 7.0 9.3 8.7 7.2	gged By: Market Supervisor: Impling Method: (0 - 4.0) Clayer abundant roots	Tim Jennings, P.G. Tim Jennings, P.G. 5' Split Spoon Litho Descr y SILT, dark grayish brown,	Easting: Ground Elev. (ft AMSL) TOC Elev. (ft AMSL): logic iption	2479265.8773 627.74 631.16		
epth (ft) Well Materials	5.0/5.0		Fie Sa PID (ppm) 6.2 7.0 9.3 8.7 7.2	eld Supervisor: mpling Method: (0 - 4.0) Claye abundant roots	Tim Jennings, P.G. 5' Split Spoon Litho Descr y SILT, dark grayish brown,	Ground Elev. (ft AMSL) TOC Elev. (ft AMSL): logic iption	: 627.74 631.16		
epth Well ft) Materials	5.0/5.0		Sa PID (ppm) 6.2 7.0 9.3 8.7 7.2	(0 - 4.0) Claye abundant roots	5' Split Spoon Litho Descr y SILT, dark grayish brown,	TOC Elev. (ft AMSL): logic iption	631.16		
ft) Materials	5.0/5.0	MH	PID (ppm) 6.2 7.0 9.3 8.7 7.2	(0 - 4.0) Claye abundant roots	Litho Descr y SILT, dark grayish brown,	logic iption	1		
ft) Materials	5.0/5.0	MH	(ppm) 6.2 7.0 9.3 8.7 7.2	abundant roots	Descr y SILT, dark grayish brown,	iption	asticity,		
5			7.0 9.3 8.7 7.2	abundant roots		moist, soft to firm, high pla	asticity,		
			9.3 8.7 7.2						
			9.3 8.7 7.2	(4.0, 0.0) Silb					
			8.7 7.2	(4.00.0) Silts					
	5.0/5.0		7.2	(4.00.0) Silts					
	5.0/5.0								
	5.0/5.0			(4.0 - 9.0) Silly	CLAY, dark grayish brown	moist soft, medium plasti	city, rust colore		
	5.0/5.0				, friable, abundant roots, irc		-		
0 -	5.0/5.0	/////	8.8						
0 -	5.0/5.0	(C L/)	7.2						
0 -			8.1						
0 -			8.1	-					
0 -			9.3		ty CLAY, dark grayish brow	n, moist firm, medium to hi	gh plasticity,		
		сисн	8.5	light gray lamir	nae.				
			7.0	 (11.1 - 13.6) G	ravelly CLAY, light brown a	nd orange, moist to wet, fi	rm, high		
	5.0/5.0				~20-30% fine to medium gr				
	5.0/5.0	СН	6.6						
			3.2		Silty CLAY, light brown to orange, wet, soft, high plasticity, <5% fine to				
5 - 5			7.2	coarse sand.					
			8.1	(15.6 - 18.2) S	HALE, gray to light brown, r	noist, hard, abundant iron	oxide along		
			5.4	bedding plane:					
	3.5/5.0		5.2	1					
			12.0	(18.2 - 20.0) S	HALE, dark gray, dry, hard.				
			25.1	1					
20			20.1						

Exide Technologies Log of Boring: VCP-MUS. Frisco Recycling Center Frisco, TX Completion Date: 2/28/2013 Dilling Company: Strata Core Services, LLC forehole Diameter (in; 17,75 Total Depth (ft): 15 PBW Project No. 1755 Dilling Center Dilling: Tim Jennings, P.G. Easting: 7/1027143.573 Logged By: Tim Jennings, P.G. Easting: 7/1027143.573 Sampling Mathod: 5 Split Spoon total Depth (ft): 1027143.573 total Supervisor. Tim Jennings, P.G. Easting: 7/1027143.573 using Mathod: 5 Split Spoon total Complexity total Supervisor. Tim Jennings, P.G. Easting: 7/1027143.573 total Supervisor. Tim Jennings, P.G. Easting: 7/1027143.57		Fride	Tochn	ologi	96			l og of Bo	rina: \		1-3
Frisco Recycling Center Frisco, TX Drilling Company: Driller: Strata Core Services, LLC Borehole Diameter (in.): 7.75 PBW Project No. 1755 Driller's License: 56033 Northing: 7102743.573 PBW Project No. 1755 Pibler's License: 56033 Northing: 2478984.514 PBW Project No. 1755 Pibler's License: 56033 Ground Elev. (ft AMSL): 631.34 Sampling Method: 5' Split Spoon TOC Elev. (ft AMSL): 634.06 Pibler's License: 0.3 (ft) Lithologic Description 0 0.3 (1 - 3.4) Silty CLAY/Clayey SILT, dark grayish brown, moist, soft to firm, high plasticity, abundant roots at 0-0.5'. 5 0.4 0.6 0.6 1.1 0.6 0.6 0.4 0.6 0.6 0.5 0.6 0.6 0.6 0.6 0.6 0.7 0.6 0.6 0.8 0.7 - 7.6) Silty CLAY, light brown, moist, firm to hard, medium plasticity, orange an Green laminated. 10 0.4 0.4 0.4 0.4 (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 0.4		Exide	Techn	lologi	5 			_			1
Frisco, TX Driller: Chris Combs Total Depth (II): I 15 PBW Project No. 1755 Doriller: Chris Combs Total Depth (II): 15 Depth Well Geovery (If): USCS PD Lithologic 2478984.513.44 Sampling Method: 5' Split Spoon TOC Elev. (If AMSL): 634.06 Pepth Well 0.8 (If): 0.3 0.33 0.34) Silty CLAY/Clayey SLT. dark grayish brown, moist, soft to firm, high 5 0.4 0.6 0.4 0.6 0.6 0.7 (10.0 - 13.0) Silty CLAY, light brown, moist, firm to hard, medium plasticity, orange an green laminated. 10 0.4 0.4 (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity, abundant iron oxide particity, abundant iron		Ericco Poo		ntor		-			~		
PBW Project No. 1755 Driller's License: Logged By: Driller's License: Tim Jennings, P.G. Easting: 2478984.514 repth (ft) Well Recovery (ft/ft) USCS PID (ppm) Lithologic Description Ground Elev. (ft AMSL): 631.34 0 0.8 PID plasticity, abundant roots at 0-0.5'. 0.3 0.34.9 Silty CLAY/Clayey SILT, dark grayish brown, moist, soft to firm, high plasticity, abundant roots at 0-0.5'. 5 0.4 0.4 0.6 0.1 10 2.4/5.0 0.4 0.6 0.1 10 0.4 0.4 0.4 (10.0 - 13.0) Silty CLAY, light brown, moist, firm to hard, medium plasticity, orange an green laminated. 10 0.4 0.4 0.4 0.5 0.4 0.4 0.4 0.1 0.4 0.4 0.5 0.4 0.4 0.4 0.1 0.5 0.5 0.4 0.6 0.6 0.4 0.6 0.1 0.4 0.4 0.4 0.5 0.4				illei			ompany:				
PBW Project No. 1755 Logged By: Tim Jennings, P.G. Easting: 2478984.514 Pepth Well Recovery USCS PID Cloud Sampling Method: 6' Split Spoon TOC Elev. (ft AMSL): 631.34 0 Image: Cloud Sampling Method: 6' Split Spoon TOC Elev. (ft AMSL): 634.06 0 Image: Cloud Sampling Method: 6' Split Spoon TOC Elev. (ft AMSL): 634.06 0 Image: Cloud Sampling Method: 6' Split Spoon Toc Elev. (ft AMSL): 634.06 0 Image: Cloud Sampling Method: 6' Split Spoon Toc Elev. (ft AMSL): 634.06 0 Image: Cloud Sampling Method: 6' Split Spoon Description Description 0 Image: Cloud Sampling Method: 6' Split CLAY/Clayey SILT, dark grayish brown, moist, soft to firm, high plasticity, abundant roots at 0-0.5'. Image: Cloud Sampling Method: Cloud Sampling Gaussian Cloud Sampling Gaussia		1 1100	, i , i								
PBW Project No. 1/55 Field Supervisor: Tim Jennings, P.G. Ground Elev. (ft AMSL): 631.34 Sampling Method: 5' Split Spoon TOC Elev. (ft AMSL): 633.06 Verify Well Recovery (th) USCS PDD (th) Description 0 0.8 0.8 0.9 Description 10 4.3/5.0 0.3 (3.4 - 7.3) Silty gravelly CLAY, light brown, moist, firm to hard, medium plasticity, orange an green laminated. 10 2.4/5.0 0.4 0.5 (7.3 - 7.6) Silty CLAY, light brown, wet, soft, high plasticity. 10 0.4 0.4 0.5 0.4 (1.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 10 0.4 0.4 0.5 0.4 (1.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.										-	
Preid Subjervisor: Initial Strings, P.S. Drouble Letv. (It AMSL): 031-34 Depth (ft) Materials Recovery (ft/ft) USCS PID (ppm) Lithologic Description 0 0 0.8 03.4) Silty CLAY/Clayey SILT, dark grayish brown, moist, soft to firm, high plasticity, abundant roots at 0-0.5'. 5 0.4 0.5 0.3 (3.4 - 7.3) Silty gravelly CLAY; light brown, moist, firm to hard, medium plasticity clay, ~10-30% fine calcareous gravel. 5 0.6 0.6 0.6 2.4/5.0 0.1 (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 10 0.4 0.4 0.4 5.0/5.0 0.4 0.4 5.0/5.0 0.4 0.4 5.0/5.0 0.4 0.4 5.0/5.0 0.4 0.4 5.0/5.0 0.4 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.		PBW Proie	ct No. 17	'55				-			
Depth (ft) Well Materials Recovery (ft/ft) USCS PID (ppm) Lithologic Description 0 0 0.8 (0 - 3.4) Silty CLAY/Clayey SILT, dark grayish brown, moist, soft to firm, high plasticity, abundant roots at 0-0.5'. 0.3 (0 - 3.4) Silty CLAY/Clayey SILT, dark grayish brown, moist, soft to firm, high plasticity, abundant roots at 0-0.5'. 5 - 0.8 0.4 0.5 0.3 (3.4 - 7.3) Silty gravelly CLAY; light brown, moist, firm to hard, medium plasticity clay, ~10-30% fine calcareous gravel. 5 - 0.6 0.6 0.6 2.4/5.0 0.1 (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 10 - 0.4 (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 10 - 0.4 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.		- , -									
Image: Note that is a construction of the image: Note that it is			Recovery	USCS			j metrioù.	Lit	hologic		034.00
5 0.3 0.3 (3.4 - 7.3) Silty gravelly CLAY; light brown, moist, firm to hard, medium plasticity clay, ~10-30% fine calcareous gravel. 5 0.1 0.1 (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 10 0.4 0.4 (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 10 0.4 0.4 (10.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity. abundant iron oxide partings, weathered.		Materials	(ft/ft)		(ppr						
$5 - \begin{bmatrix} 0 \\ 4.3/5.0 \\ 0.4 \\ 1.1 \\ 0.6 \\ 0.$	0				08				grayish browr	n, moist, soft to f	irm, high
5 4.3/5.0 0.5 0.3 0.3 (3.4 - 7.3) Silty gravely CLAY; light brown, moist, firm to hard, medium plasticity clay, ~10-30% fine calcareous gravel. 5 - 0.6 0.1 0.6 0.4/5.0 0.1 0.4/5.0 0.1 0.1 (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 0.1 (7.6 - 10.0) No Recovery 10 - 10 - 10 - 10 - 10 - 10 - 11 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.	_	-		CHIMH	0.1		•				
5 - 0.3 (3.4 - 7.3) Silty gravelly CLAY; light brown, moist, firm to hard, medium plasticity clay, ~10-30% fine calcareous gravel. 5 - 1.1 0.6 2.4/5.0 0.1 (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 10 - - 5.0/5.0 0.4 - 5.0/5.0 0.4 - 5.0/5.0 0.4 - 5.0/5.0 0.4 - 5.0/5.0	_		4 3/5 0		0.5						
$5 - \begin{bmatrix} 0.4 + 7.5 \\ 0.4 + 7.5 \end{bmatrix}$ Sing gravely CLAY, light brown, moist, nm to hard, medium prasticity clay, ~10-30% fine calcareous gravel. $5 - \begin{bmatrix} 0.4 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 7.6 - 10.0) No Recovery 10 - \begin{bmatrix} 0.4 \\ 0.5 \\ 0.4 \\ 0.5 \\ 0.4 \\ 0.5 \\ 0.4 \\ 0.4 \\ 0.4 \\ 0.4 \\ 0.6 \\ 0.4 \\ 0.6 \\ 0.4 \\ 0.6 \\ $	-		4.0/0.0								
$5 - \begin{bmatrix} 1.1 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.7 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ 0.6 \\ (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. (7.6 - 10.0) No Recovery (7.6 - 10.0) No Recovery (7.6 - 10.0) No Recovery (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron o$	_				0.3	(3.4			wn, moist, fir	m to hard, mediu	um plasticity
10 CL 0.6 0.1 (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. (7.6 - 10.0) No Recovery 10 - 11 (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 11 - 11 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.	5 —				1.1		, 10 00 /0	into calculocodo gravol.			
10 2.4/5.0 0.1 (7.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. 10 - - (7.6 - 10.0) No Recovery 10 - - (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 10 - - - 5.0/5.0 0.4 - - 5.0/5.0 0.4 - - 5.0/5.0 0.4 - - 5.0/5.0 0.4 - - 5.0/5.0 0.4 <td>5</td> <td></td> <td></td> <td>0</td> <td>0.6</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td>	5			0	0.6	5					
10 - (1.3 - 7.6) Silty CLAY, light brown, moist firm to hard, medium plasticity, orange an green laminated. (7.6 - 10.0) No Recovery (7.6 - 10.0) No Recovery (7.6 - 10.0) No Recovery (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity.	-				0.6	;					
10 - NR - Green laminated. (7.6 - 10.0) No Recovery - (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 5.0/5.0 0.4 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.	_		2 4/5 0		0.1	(7.2	7 6) Silty	CLAV light brown main	t firm to hard		vity orongo and
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	-		2.4/0.0		_	∖gree	n laminate	d.		i, medium piasuo	and and and
10 0.4 0.4 (10.0 - 13.0) Silty CLAY, light brown, wet, soft, high plasticity. 5.0/5.0 0.4 0.5 5.0/5.0 0.4 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.	_			NR		(7.6	- 10.0) No	Recovery			
0.4 0.4 0.4 0.4 0.5 5.0/5.0 0.4 SH 0.4 1.1 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered.	10				-						
5.0/5.0 0.4 5.0/5.0 0.4 5.0/5.0 0.4 5.0/5.0 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0.4 0	10				0.4	(10.0	0 - 13.0) Si	ilty CLAY, light brown, we	et, soft, high	plasticity.	
1.1 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. 0.4 0.4	-			/сн/	0.5	;					
1.1 (13.0 - 15.0) SHALE, gray, moist, firm to hard, medium plasticity, abundant iron oxide partings, weathered. 0.4 0.4	_		5.0/5.0		0.4						
SH Oxide partings, weathered.	-					(13.0	0 - 15.0) S	HALE, gray, moist, firm t	o hard, medi	um plasticity, ab	undant iron
	_			SH		oxid	e partings,	weathered.			
	15				0.4	-					
	15 —				0.4	·					
			***		Not	es:					
Notes:		PB	W					t be used separately from	41		

Pastor, Behling & Wheeler, LLC 2201 Double Creek Dr., Suite 4004 Round Rock, TX 78664 Tel (512) 671-3434 Fax (512) 671-3446

<u>Annular Materials</u> (0.0 - 2.0) Concrete (2.0 - 4.0) Bentonite Hole Plug (4.0 - 15.0) 20/40 Silica Sand Well Materials (+2.72 - 5.0) Casing, 2" Sch 40 FJT PVC (5.0 - 15.0) Screen, 2" Sch 40 FJT PVC, 0.010 slot

					Completi	on Date:	2/28/2013	Drilling Method:	HSA
	Frisco Rec		enter	_		ompany:	Strata Core Services, LLC	-	7.75
	Frise	co, TX		ī	Driller:		Chris Combs	Total Depth (ft):	15
					Driller's L	icense:	56033	Northing:	7102521.1042
	PBW Proje	ot No. 17	755	L	_ogged E	By:	Tim Jennings, P.G.	Easting:	2479285.0237
	FBWFIUJe	CINO. 17	55		Field Sup		Tim Jennings, P.G.	Ground Elev. (ft AMSL):	
					Sampling	Method:	5' Split Spoon	TOC Elev. (ft AMSL):	635.43
Depth (ft)	Well Materials	Recovery (ft/ft)	USCS	PID (ppm)		Litho Descr		
0				0	(0 - 1	1.8) Claye	y SILT, dark grayish brown,		trace calcareou
-				0	nodu	iles.			
				0					
-		2.5/5.0		0.4			CLAY, brown to light brown		um to high
-		2.3/3.0	(/////	0.4	piasi	licity, trace	e to 5% calcareous nodules.		
			CL/CH	-					
-			(/////						
5 —			/////	-	_				
				0.1			velly CLAY/Clayey GRAVE		
-			ୃCL/GC	0		-	city clay, ~40-60% fine to m		
-			/////				ty CLAY, orange, brown and	d gray mottled, moist, firm,	medium to high
		3.0/5.0		0.1	plast	licity.			
_			CL/CH	-					
-			CLICH						
10				-					
10 —				1					
-							HALE, orangish brown to gi		rd, medium
				0	plasi	licity, abun	ndant iron oxide along beddi	ng planes.	
		5.0/5.0		0.1					
-			SH -						
_				0.3					
				0.1					
				Note	s:				
	PB	W		This	boring log	g should no	ot be used separately from the	report to which it is attache	d.
Pas	PB tor, Behling & 1 Double Creek	Wheeler,	LLC		boring log		ot be used separately from the Well Materials	report to which it is attached	d.

				Completion	Date:	2/27/2013		Drilling Method:	HSA
	Frisco Rec		enter	Drilling Con	npany:	Strata Core Services	s, LLC	Borehole Diameter (in.):	7.75
	Frise	co, TX		Driller:		Chris Combs		Total Depth (ft):	20
				Driller's Lice	ense:	56033		Northing:	7102925.8587
	PBW Proje	ot No. 17	55	Logged By:		Tim Jennings, P.G.		Easting:	2480000.584
	FBWFIUJe	CINO. 17	55	Field Super		Tim Jennings, P.G.		Ground Elev. (ft AMSL):	
	1	-		Sampling M	lethod:	5' Split Spoon		TOC Elev. (ft AMSL):	643.97
Depth (ft)	Well Materials	Recovery (ft/ft)	USCS			Lithol Descri			
0 5 		5.0/5.0	CH CL/CH	(6.6 - 11.5) San medium to high	idy, silty plasticit	CLAY; light brown, light y, ~10-20% fine to coa	w 3.5'. ht gray a arse sand	ist, firm, high plasticity c	oist, very hard, lay.
- - 15 —		3.2/5.0	CH	(12.8 - 15.9) Sa fine sand and fine (15.9 - 17.5) CL	ndy, gra ne grave AY, ora	velly CLAY; brown ora el, possibly calcareous nge and gray mottled,	ange, mo s nodules moist, fir	m, medium plasticity, <	lay, ~10-20%
-		2.5/5.0	/ <u>°</u>	-		areous nodules, possi		rked shale.	
- - 20 —			SH			ay, moist, firm, high pl ay, very hard, poor rec			
 D.	PB stor, Behling &		Notes: This log should Annular Materials	not to be	used separately from th		to which it is attached.		

Frisco Recycling Center Frisco, TX Drilling Company: Driller: Strata Core Services, LLC Borehole Diameter (in.): Total Depth (ft): 7.75 PBW Project No. 1755 Driller's License: 56033 Northing: 7103251.5523 PBW Project No. 1755 Field Supervisor: Tim Jennings, P.G. Garound Elev. (ft AMSL): 641.1 Sampling Method: 5' Split Spoon TOC Elev. (ft AMSL): 644.71 (ft) Materials Recovery (ftf) USCs Inthologic 0 Sold Sold Orthologic Colored Color					Completion Date	e: 2/27/2013	Drilling Method:	HSA
Pisco, TX Driller: Chris Combs Total Depth (ft): 20 PBW Project No. 1755 Driller's License: 56033 Northing: 7103251.5523 Logged By: Tim Jennings, P.G. Easting: 2479837.0804 Field Supervisor: Tim Jennings, P.G. Ground Elev. (ft AMSL): 644.71 Lithologic Description 0 <t< td=""><td></td><td></td><td></td><td>enter</td><td>Drilling Compan</td><td>y: Strata Core Services, LL</td><td>v</td><td>n.): 7.75</td></t<>				enter	Drilling Compan	y: Strata Core Services, LL	v	n.): 7.75
PBW Project No. 1755 Driller's License: 56033 Northing: 7103251.5523 PBW Project No. 1755 Image: Comparison of the compariso		Frise	co, TX			-		20
PBW Project No. 1755 Logged By: Field Supervisor: Tim Jennings, P.G. Tim Jennings, P.G. Sampling Method: Easting: 2479837.0804 Ground Elev. (ft AMSL): repth Well (ft) Recovery Materials USCS Cital Supervisor: Tim Jennings, P.G. Ground Elev. (ft AMSL): 641.1 0 Lithologic (ft) Lithologic Sampling Method: 5' Split Spoon Toc Elev. (ft AMSL): 644.71 0 Lithologic (ft) Lithologic Sol5.0 Description Description 0 5.0/5.0 CH (0 - 6.6) Silty CLAY, dark grayish brown, moist to dry, soft to hard, high plasticity, <5% calcareous nodules, hard and dry below 3.7', brown, ~5-10% calcareous nodules at 5-6.6', ve stiff 6-6.6'. 10 3.7/5.0 CH (10.0 - 15.0) Clayey SILT, moist to wet, soft, high plasticity, ~20-30% fine to medium gravel and fine to coarse sand from 12.3-12.8', wet below 12.3'. 15 .3.7/5.0 .115.0 CLOCH 16 .10.0 .15.0 - 16.5) Silty, gravelly SAND; brown, wet, soft, -10% fines, ~20-30% fine to medium sub-rounded gravel in fine to coarse sand. .15 .15.0 .15.0 .15.1 Silty, gravelly SAND; brown, wet, soft, -10% fines, -20-30% fine to medium sub-rounded gravel in fine to coarse sand. .16 .17.1 Silty CLAY, brown, moist, firm to hard, iron oxide staining along bedding planes, weathered.					Driller's License:	56033		7103251.5523
PBW Project No. 1755 Field Supervisor: Tim Jennings, P.G. Ground Elev. (ft AMSL): 641.1 Sampling Method: 5' Split Spoon TOC Elev. (ft AMSL): 644.71 epth Well (ftf) Materials Recovery (ft/ft) USCS Lithologic Description 0							÷	2479837.0804
Well (ft) Recovery (ft/ft) USCS Lithologic Description 0 0 (0 - 6.6) Silty CLAY, dark grayish brown, moist to dry, soft to hard, high plasticity, <5% calcareous nodules, hard and dry below 3.7', brown, ~5-10% calcareous nodules at 5-6.6', ve stiff 6-6.6'. 5 - - - 5 - - - 10 - - - 3.7/5.0 CH - - 10 - - - 3.7/5.0 CH - - 10 - - - 3.7/5.0 CH - - 10 - - - 3.7/5.0 - - - 10 - - - 3.7/5.0 - - - 10 - - - - 3.7/5.0 - - - - 110 - - - - - 12 - - - - - 13.7/5.0 - - - <td< td=""><td></td><td>PBW Proje</td><td>ect No. 1i</td><td>(55</td><td></td><td>: Tim Jennings, P.G.</td><td>Ground Elev. (ft AMS</td><td>L): 641.1</td></td<>		PBW Proje	ect No. 1 i	(55		: Tim Jennings, P.G.	Ground Elev. (ft AMS	L): 641.1
(fit) Materials (fuffi) USCS Description 0					Sampling Metho	od: 5' Split Spoon	TOC Elev. (ft AMSL):	644.71
 (0 - 6.6) Silty CLAY, dark grayish brown, moist to dry, soft to hard, high plasticity, <5% calcareous nodules, hard and dry below 3.7', brown, ~5-10% calcareous nodules at 5-6.6', ve stiff 6-6.6'. 5.0/5.0 CH (6.6 - 10.0) Silty, gravelly CLAY; brown orange, moist, hard to very hard, medium to high plasticity clay, well laminated, ~10-20% fine to medium gravel and calcareous nodules. (10.0 - 15.0) Clayey SILT, moist to wet, soft, high plasticity, ~20-30% fine to medium gravel at fine to coarse sand from 12.3-12.8', wet below 12.3'. 3.7/5.0 MH. (15.0 - 16.5) Silty, gravelly SAND; brown, wet, soft, ~10% fines, ~20-30% fine to medium sub-rounded gravel in fine to coarse sand. (16.5 - 17.1) Silty CLAY, brown, wet, soft, high plasticity, trace fine gravel in clay matrix. (17. 20.0) SHALE, gray and brown, moist, firm to hard, iron oxide staining along bedding planes, weathered. 				USCS				
5.0/5.0 (17.1 - 20.0) SHALE, gray and brown, moist, firm to hard, iron oxide staining along bedding planes, weathered.			3.7/5.0	CL/CH	stiff 6-6.6'. (6.6 - 10.0) Silty, gra plasticity clay, well la (10.0 - 15.0) Clayey fine to coarse sand f (15.0 - 16.5) Silty, gr sub-rounded gravel	velly CLAY; brown orange, m aminated, ~10-20% fine to me SILT, moist to wet, soft, high from 12.3-12.8', wet below 12 ravelly SAND; brown, wet, sof in fine to coarse sand.	oist, hard to very hard, me dium gravel and calcareo plasticity, ~20-30% fine to 3'. t, ~10% fines, ~20-30% fir	edium to high us nodules. medium gravel a
	- 20 —		5.0/5.0	 	(17.1 - 20.0) SHALE			

				Cr	mpletion Date:	4/18/2013	Drilling Method:	HSA
	Frisco Recy		enter		Iling Company:	Sunbelt Environmental	Borehole Diameter (in.):	
	Frisc	co, TX			ller:	Joe Garcia	Total Depth (ft):	10
				Dr	ller's License:	58780	Northing:	7100967.0459
		at Na 1	766	Lo	gged By:	Carolyn Sexton	Easting:	2481078.6125
	PBW Proje	CUNO. T	/ 55		eld Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL):	683.116976
				Sa	mpling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	685.176513
epth (ft)	Well Materials	Recovery (ft/ft)	USCS	PID (ppm)		Litho Descr	iption	
0			CL/	0		CLAY, dark gray brown, mo 5', gradational contact.	ist, soft, low plasticity, trace	e med. size
-				0	(0.8 - 1.1) Cha	ky, silty LIMESTONE, wea	thered, orange iron oxide s	staining.
-		4.0/4.0		0	(1.1 - 6.2) Cha	Iky, silty LIMESTONE, ligh	t tan, brittle, dry, hard, <5%	dark brown and
				0	orange ironsto	ne nodules from 4.0-4.2'.		
-				0				
-			LS	0				
_				0				
5 -				0				
-				U				
		5.0/5.0		0	(6.2 - 10) Chal	ky, silty SHALE, dark gray,	fissile, blocky at base, dry,	hard.
-				0				
-			SH	Ũ				
				0				
-		1.0/1.0		0				
0 -				•				

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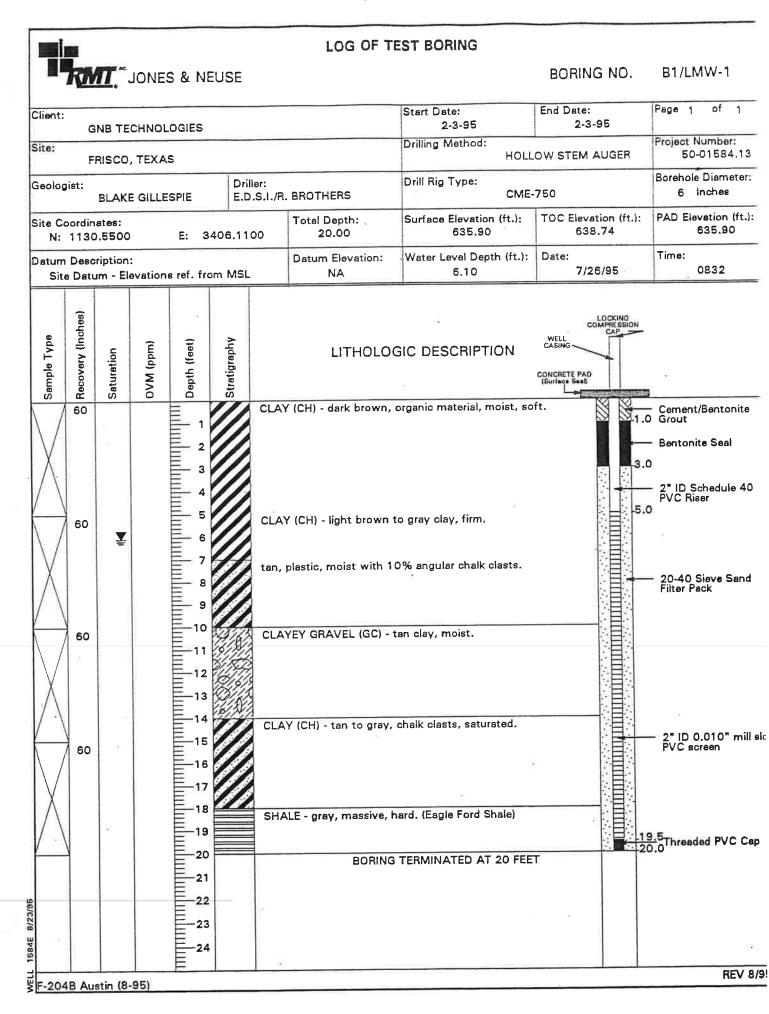
				Co	mpletion Date:	4/17/2013	Drilling Method:	HSA
	Frisco Recy		enter		illing Company:	Sunbelt Environmental	Borehole Diameter (in.):	
	Frisc	o, TX			iller:	Joe Garcia	Total Depth (ft):	16
				Dr	iller's License:	58781	Northing:	7102884.3737
		ot No. 17	766	Lo	gged By:	Carolyn Sexton	Easting:	2481077.5726
	PBW Projec	CLINO. 17	55		eld Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL):	
	1			Sa	mpling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	651.023133
epth (ft)	Well Materials	Recovery (ft/ft)	USCS	PID (ppm)		Litho Descr		
0				0		gray brown, dry, with silty c dules, calcareous nodules.	lay, coarse sand to large g	ravel,
	-		FILL	0				
-		3.0/5.0		0	-			
-		3.0/5.0		0	-			
			¥¥¥¥	0	(3.6 - 7.4) Silty	CLAX dark brown moist	low plasticity, ~10% graded	d angular fine to
5 –				0		l calcareous nodules.	iow plasticity, ~10% graded	
0				0				
-				0	-			
-		2.5/5.0		0			gray, moist to wet, low to n	ned. plasticity,
-				0	~10-20% coars	se sand to medium gravel.		
10			GL	0				
10 —				0				
_				0		lightly silty CLAY, gray brovel from 11.1-11.3'.	wn, moist to wet, low to mee	d. plasticity,
_		3.2/5.0		0				
_				0	_			
15 –				0	_			
		1.0/1.0		0				<i></i>
						es IONE, grayish tan, con of secondary crystals.	npetent, microcrystaline to	very fine graine
				-				
	יחת			Notes:				
								1
_	PB			This be	oring log should no	ot be used separately from th	e report to which it is attache	d.
Pas 220	PB stor, Behling & 1 Double Creek	Wheeler,	LLC 4004	Annula	oring log should no <u>Materials</u> 0) Concrete	Well Materials	e report to which it is attache	

Exide APAR Page 876 of 2984

PBW Project No. 1755 Logged By: Carolyn Sexton Easting: 2481042.414 Sampling Method: 5' Split Spoon Toc Elev. (It AMSL): 666.957891 Materials Set USCS PID (ppm) Lithologic Description 0 0 0 0 0 0 0.07.7 Sity CLAY. dark brown. bighty moist, firm, low plasticity, with root fragmen and angular coarse sand to med, gravel. 5 0 0 0 0 0 0.07.7 Sity CLAY. dark brown. bighty moist, firm, low plasticity, with colarse spand to med. gravel. 5 0 0 0 0 0 0.07.7 Sity CLAY. gark brown to black, slighty moist, firm, low plasticity, -40-50% fine to med. carbonate gravel in clay matrix. 5 0 0 0 0 0 0 0 0 0 0 0 0.07.01 0 0.07.01 5 0 0 0 0 0 0 0.07.01 0.07.01 0 0 0 0 0 0 0.07.01 0.07.01 0.07.01 0.07.01 0.07.01 0.07.01 <		Exide	Techr	nologi	es		Log of Bori	ng: VCP-MW	/-9
Frisco, TX Differ: Joe Garcia Differ: Total Depth (I): 20 PBW Project No. 1755 Differ: Joe Garcia Northing: 7103297.519 PBW Project No. 1755 Differ: Ligged By: Caroly Sexton Easting: 2481042.414 Field Supervisor: Tim Jennings, P.G. Ground Elev. (It AMSL): 666.3957891 Sampling Method: 5' Split Spoon TOCE Elev. (It AMSL): 666.957891 adam and and arcoares and to med, gravel. 0 - - 0 - 0 - - - 4.0/5.0 0 - 0 - - 5.0/5.0 0 0 - - - 5.0/5.0 0 0 - - - 5.0/5.0 0 0 - - - 5.0/5.0 0 0 - - - 0 - 0 - - - 10 - 0 - - - 10 - 0 - - - 10 - 0 - - - 10 - 0 - - -					Co	ompletion Date:	4/17/2013		
Differ Line Differ Logged By: Carolyn Sexton Easting: 2431042.414 PBW Project No. 1755 Differ Logged By: Carolyn Sexton Easting: 2481042.414 Field Supervisor: Tim Jennings, P.G. Ground Elev. (It AMSL): 666.957891 appth Well Image: 0 <td< td=""><td></td><td></td><td></td><td>enter</td><td>Dr</td><td>illing Company:</td><td>Sunbelt Environmental</td><td>Borehole Diameter (in.):</td><td></td></td<>				enter	Dr	illing Company:	Sunbelt Environmental	Borehole Diameter (in.):	
PBW Project No. 1755 Logged By: Carolyn Sexton Easting: 2481042.414 Pield Supervisor: Tim Jennings, P.G. Ground Elev. (ft AMSL): 666.957891 Optimize USCS PID (ppm) Lithologic Description Description 0		1 1150	0, 17						
PBW Project No. 1/35 Field Supervisor: Tim Jennings, P.G. Ground Elev. (It AMSL): 664.314339 appth Well Image: Second Control of the second control of th									7103297.5194
Pried Supervisor: Intributings, F.O. Outlind Elev. (Ir AMSL): Iou-314339 Sampling Method: 5' Split Spoon TOC Elev. (Ir AMSL): 666.957891 O 0 0 0 0 0 0 0 0 0 0 0 0 0 4.05.0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0 5 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0 6 0 0		PBW Proie	ct No. 17	755			-		
Well (f) Well Materials Issue (f) USCS PID (ppm) Lithologic Description 0 <t< td=""><td></td><td>1 200 1 10,00</td><td>01110.11</td><td>00</td><td></td><td></td><td>•</td><td></td><td></td></t<>		1 200 1 10,00	01110.11	00			•		
0 0 (0 - 0.7) Sitly CLAY, dark brown, slighty moist, firm, low plasticity, with root fragmen and angular coarse sand to med. gravel. 0 0 0 0 4.0/5.0 0 0 0 0 0 5 0 0 6 0 0 0 0 0 5 0 0 5 0 0 6 0 0 6 0 0 6 0 0 6 0 0 6 0 0 7 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0	epth		overy /ft)		-	mpling Method:	Lithol	logic	666.957891
5 -		Materials	(ft (ft	0303	(ppm)			•	
5 - - 0 (0.7 - 2.7) Sity CLAY, dark brown to black, slightly moist, firm to hard, low plasticity with calcareous nodules and 10-20% angular coarse sand to fine gravel. 4.0/5.0 0 - (2.7 - 5) Clayey GRAVEL, yellow-brown, moist to wet, firm, low plasticity, ~40-50% fine to med. carbonate gravel in clay matrix. 5 - 0 - (5 - 6.1) Sity CLAY, gray with orange iron oxide staining, moist, soft to firm, low plasticity, clareous nodule lense from 5.5-5.6', laminated fine sand from 5.9-6.05'. 5 0 0 - - 5.0/5.0 0 0 - - 5 0 0 - - - 5 - 0 - - - 5 0 0 - - - 5 - 0 - - - 5 - 0 - - - 6 - 0 - - - 6 - 0 - - - 5 - 0 - - - 6 - 0 - -	0				0			noist, firm, low plasticity, wit	th root fragment
5 - 4.0/5.0 0 - </td <td>-</td> <td></td> <td></td> <td>(/cL//</td> <td>0</td> <td>(0.7 - 2.7) Silty</td> <td>CLAY, dark brown to black</td> <td></td> <td></td>	-			(/cL//	0	(0.7 - 2.7) Silty	CLAY, dark brown to black		
5 0 0 0 5 0 0 (5 - 6.1) Silty CLAY, gray with orange iron oxide staining, moist, soft to firm, low to medium plasticity, calcareous nodule lense from 5.5-5.6°, laminated fine sand from 5.9-6.05°. 0 0 (5 - 6.1) Silty CLAY, gray with orange iron oxide staining, moist, soft to firm, low to medium plasticity, calcareous nodule lense from 5.5-5.6°, laminated fine sand from 5.9-6.05°. 0.1 0 0 (5.1 - 18.8) Silty CLAY, gray with orange iron oxide staining, moist, firm, low plasticity, moderately weathered throughout, contains horizontal carbonate and incovide staining and vertical iron oxide filled fractures. 0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_	<u> </u>			-	with calcareou	s nodules and 10-20% ang	ular coarse sand to fine gra	avel.
5 0 fine to med. carbonate gravel in clay matrix. 5 0 0 6 0 0 0 0 (5 - 6.1) Silty CLAY, gray with orange iron oxide staining, moist, soft to firm, low to medium plasticity, calcareous nodule lense from 5.5-5.6', laminated fine sand from 5.9-6.05'. 5.0/5.0 0 0 5.0/5.0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td></td><td></td><td>4.0/5.0</td><td><u>/////</u></td><td>0</td><td>(2.7 5) Clavo</td><td></td><td>moist to wat firm low plact</td><td>icity 40 50%</td></td<>			4.0/5.0	<u>/////</u>	0	(2.7 5) Clavo		moist to wat firm low plact	icity 40 50%
5 0 (5 - 6.1) Silty CLAY, gray with orange iron oxide staining, moist, soft to firm, low to medium plasticity, calcareous nodule lense from 5.5-5.6', laminated fine sand from 5.9-6.05'. 0 0 (6.1 - 18.8) Silty CLAY, gray with orange iron oxide staining, moist, firm, low plasticity, moderately weathered throughout, contains horizontal carbonate and incovide staining and vertical iron oxide filled fractures. 0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 5.0/5.0 0 0 0 0 0				0	0				icity, ~40-50%
0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	5 _			0 0	0				
0 - 0 - (6.1 - 18.8) Silty CLAY, gray with orange iron oxide staining, moist, firm, low plasticity, moderately weathered throughout, contains horizontal carbonate and inconvide staining and vertical iron oxide filled fractures. 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 5 - 0 0 5 - 0 0 5 - 0 0 0 0 0 0 5 - 0 0 0 0 0 0 5 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 18.8 - 20) SHALE, dark gray, moist, firm, low plasticity, unweathered. 0					0	medium plastic			
0 - 5.0/5.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					0		v CLAY, grav with orange i	ron oxide staining, moist, fi	irm, low
0 - 0 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 1 - 0 - 0 - 1 - 0 - 1 - 0 - 1 - 0 - 1 - 0 - 1 - 0 - 1 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - <t< td=""><td>_</td><td></td><td>5.0/5.0</td><td></td><td>0</td><td>plasticity, mod</td><td>erately weathered througho</td><td>out, contains horizontal cart</td><td></td></t<>	_		5.0/5.0		0	plasticity, mod	erately weathered througho	out, contains horizontal cart	
0 - 0 5	_				-	oxide staining	and vertical iron oxide filled	I fractures.	
0 - 0 5.0/5.0 CL 0 5.0/5.0 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_				-	-			
5 - CL 0 0 0 0 0 0 0 5.0/5.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 —				0	-			
5 - 5.0/5.0 Ct 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_				0	-			
5 - 0 5	_			CL	0	-			
5 - 0	_		5.0/5.0		0	-			
5 - 0 - 5.0/5.0 0	_				0	-			
0 0 5.0/5.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 —				0	_			
5.0/5.0 0 0 18.8 - 20) SHALE, dark gray, moist, firm, low plasticity, unweathered.	Ŭ				0				
0 (18.8 - 20) SHALE, dark gray, moist, firm, low plasticity, unweathered.					0				
(18.8 - 20) SHALE, dark gray, moist, firm, low plasticity, unweathered.	-		5.0/5.0		0				
$ \cdot \cdot \cdot \cdot \cdot \cdot + \mathbf{SH} - 0 $	-				0	1			
	-			SH	0	(18.8 - 20) SH	ALE, dark gray, moist, firm,	low plasticity, unweathered	d.
	- - 20 —		5.0/5.0	SH	0	- - - (18.8 - 20) SH,	ALE, dark gray, moist, firm,	low plasticity, unweathere	d.
I D VV This boring log should not be used separately from the report to which it is attached.	Pas	tor, Behling &	Wheeler,		<u>Annula</u>	Materials	Well Materials		
Pastor, Behling & Wheeler, LLC Annular Materials Well Materials		l Double Creek Round Rock, 12) 671-3434 F	TX 78664	Ļ	(0.5 - 2.	5) Concrete 0) Bentonite Hole Plug 0.0) Industrial Quartz Sano	(2.5 - 20.0) Scre	sing, 2" Sch 40 PVC een, 2" Sch 40 PVC,	

	Frisco Recy	ycling Ce	enter		ompletion Date: illing Company:	4/17/2013 Sunbelt Environmental	Drilling Method: Borehole Diameter (in.):	HSA 8 25
		co, TX			iller:	Joe Garcia	Total Depth (ft):	15
				Dr	iller's License:	58783	Northing:	7103274.8564
	PBW Proje	ct No. 17	755		gged By:	Carolyn Sexton	Easting:	2481265.9907
	. 211				eld Supervisor: ampling Method:	Tim Jennings, P.G. 5' Split Spoon	Ground Elev. (ft AMSL): TOC Elev. (ft AMSL):	667.108585
epth (ft)	Well Materials	Recovery (ft/ft)	USCS	PID		Lithol Descri	ogic	009.744022
0	Materials	Å.	/////	(ppm)	(0 - 0.4) Silty C	CLAY, dark brown, with roo	•	nd calcareous
-				0	\nodules.	dy CLAY, light gray, interlay	_	
				0	slightly moist, I	low to medium plasticity.	-	
-		5.0/5.0		0		CLAY, dark brown-gray, m fine gravel within clay mat		
-				0		The graver within clay that	nx throughout, coarse grav	er itoliti 1.0-2.0.
-				0	-			
5 —				0]			
5 –				0	(F.O. 40 () C"		and marks to to 1	Geelle '
-			(c)	0	_ (5.6 - 12.4) Sill below 7.7', lime	ty CLAY, light to medium gr onite and orange iron oxide	ay, moist, soft, friable and staining throughout.	lissile, massive
-				0	-	Ū	0 0	
_		5.0/5.0		0				
				0				
-				0	-			
0 -					-			
_				0				
				0				
-		5.0/5.0		0				
-		0.0/0.0			(12.4 - 15) SH/	ALE, dark gray, slightly moi	st, low plasticity, slightly we	eathered.
-			SH	0				
				0				
15 —								
				Notes:				
	PB	W		This b	oring log should no	ot be used separately from the	e report to which it is attache	d.
	stor, Behling &	Wheeler.	LLC		r Materials	Well Materials		
	1 Double Creek				Waterias	ven watenais		

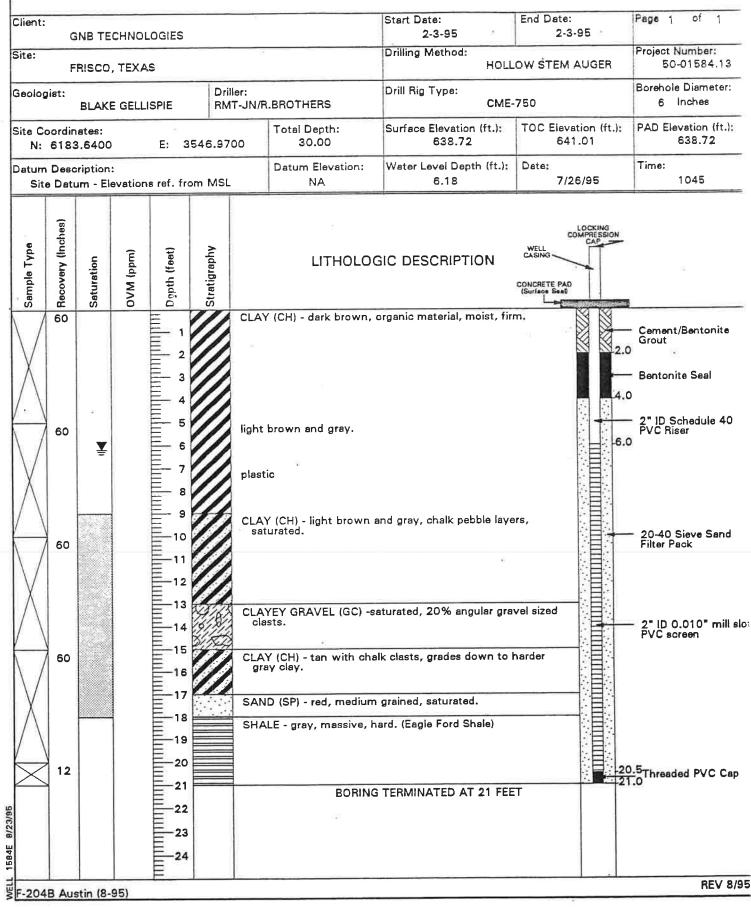
	Frisco Rec	veling Ce	enter		ompletion Date:	4/17/2013	Drilling Method:	HSA
		co, TX			rilling Company: riller:	Sunbelt Environmental Joe Garcia	Borehole Diameter (in. Total Depth (ft):	.): 8.25
					riller's License:	58784	Northing:	7103365.2704
	PBW Proje	ct No. 17	755	L	ogged By:	Carolyn Sexton	Easting:	2481418.2146
	i Divi i oje	CI NO. 17	55		eld Supervisor:	Tim Jennings, P.G.	Ground Elev. (ft AMSL	,
epth	Well	Recovery (ft/ft)	USCS	PID	ampling Method:	5' Split Spoon	TOC Elev. (ft AMSL):	672.734085
(ft)	Materials	(ft (ft	0303	(ppm)			ription	e firme e enteine
0				0	roots.		moist, low plasticity, soft to	
-				0	(0.8 - 5) Slight	ly silty CLAY, yellow-gray,	slightly dry, firm to hard, lo rsed within clay matrix, roc	w plasticity,
-		3.6/5.0		0		ninae and iron oxide staini		, 10 0.2
-		0.0,0.0			_			
-				0				
5 -			CL	0				
0 -				0		ered SHALE, gray, slightly arbonate filled laminae thro	dry, firm to hard, low plas	ticity, iron oxide
-				0			sagnout.	
-		24/50			-			
-		3.4/5.0		0	_			
_				0				
				0				
0 –				0	(10 - 12.8) SH	ALE, dark gray, friable, iro	n oxide staining, weathere	d.
-					-			
-				0	_			
_		5.0/5.0	<u>S</u> H	0	(12.9 15) SH	ALE, dark gray, dry, very h	ard fissile unweathered	
				0	(12.0 - 13) 311	ALL, UAIK GIAY, UIY, VEIY I	iaru, iissile, uriweatileieu.	
-				0				
	PB	X/		Notes				
				This b	ooring log should no	ot be used separately from t	he report to which it is attach	ied.
	stor, Behling &	Wheeler	TIC		ar Materials	Well Materials		

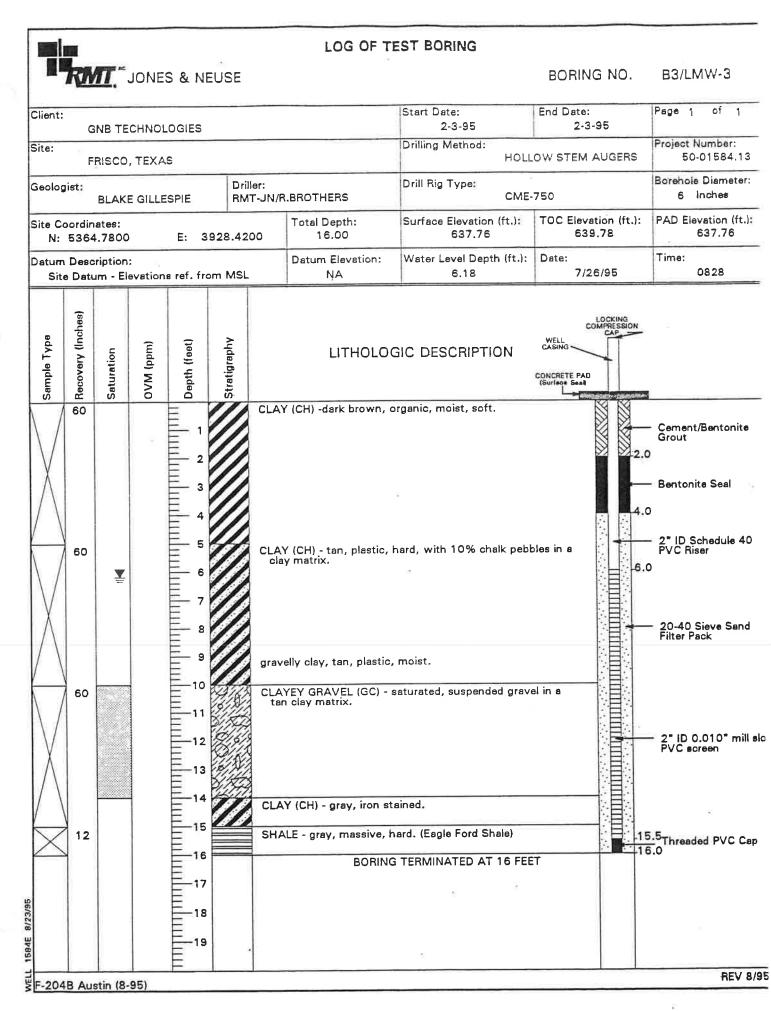


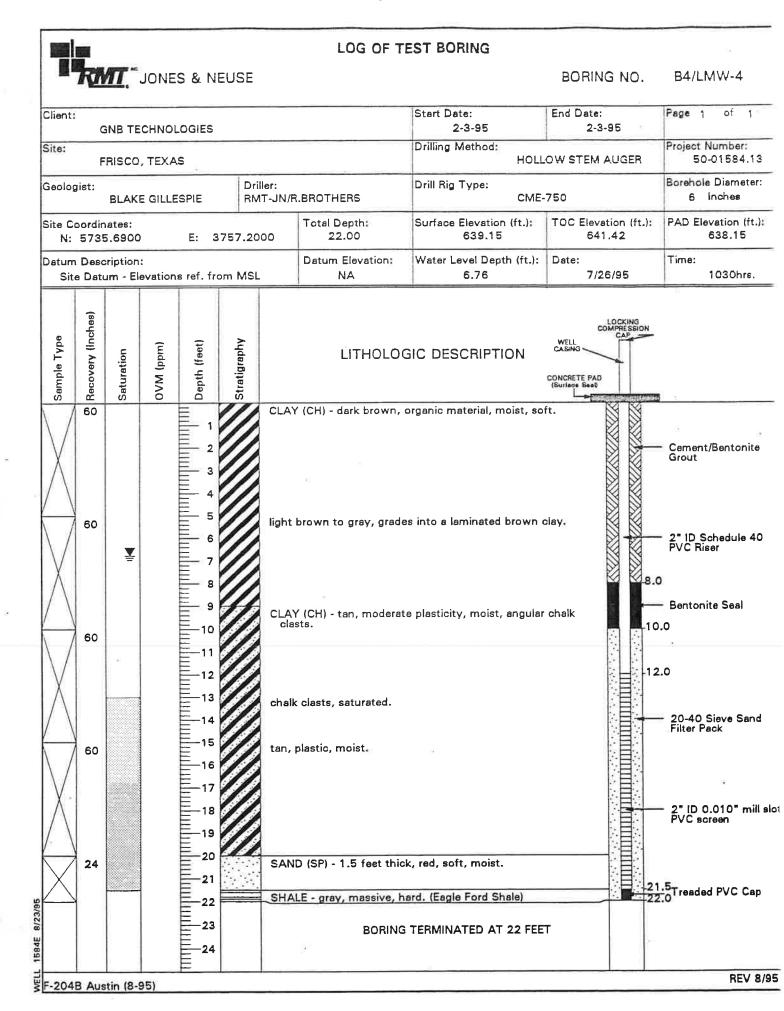


LOG OF TEST BORING

BORING NO. B2/LMW-2



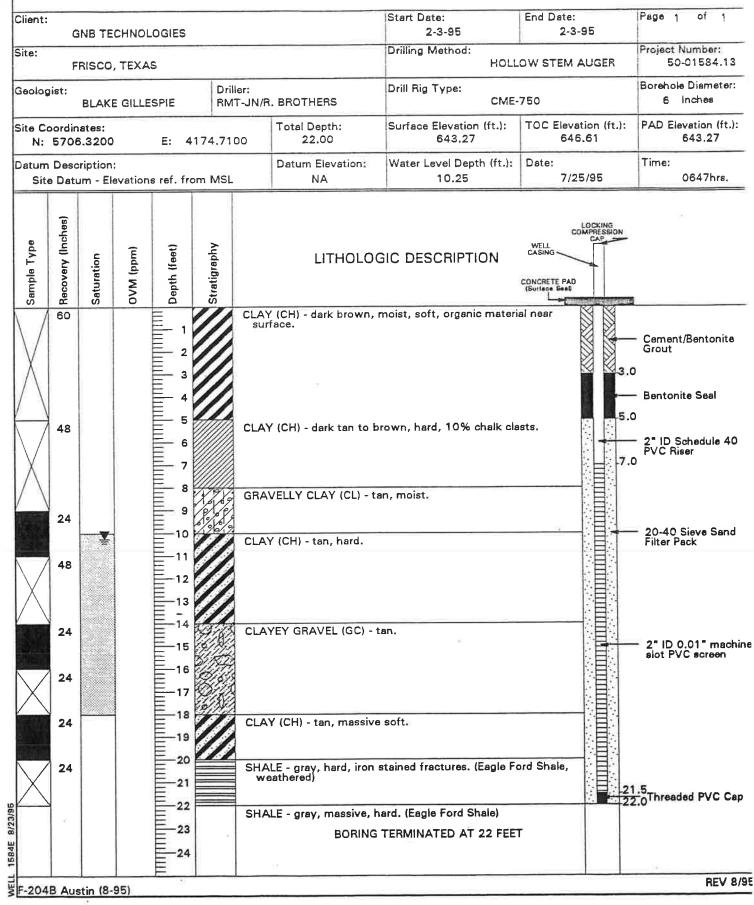






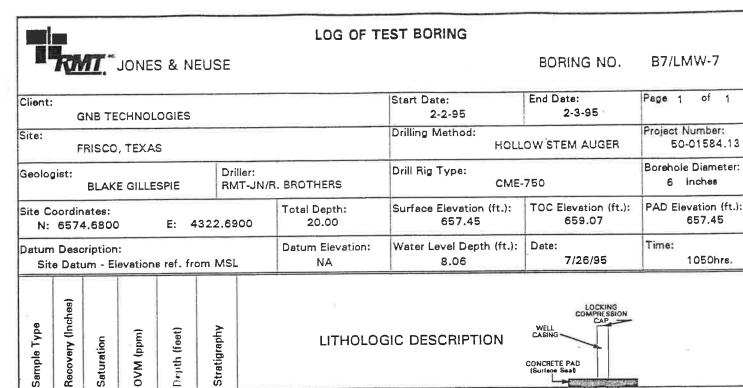
LOG OF TEST BORING

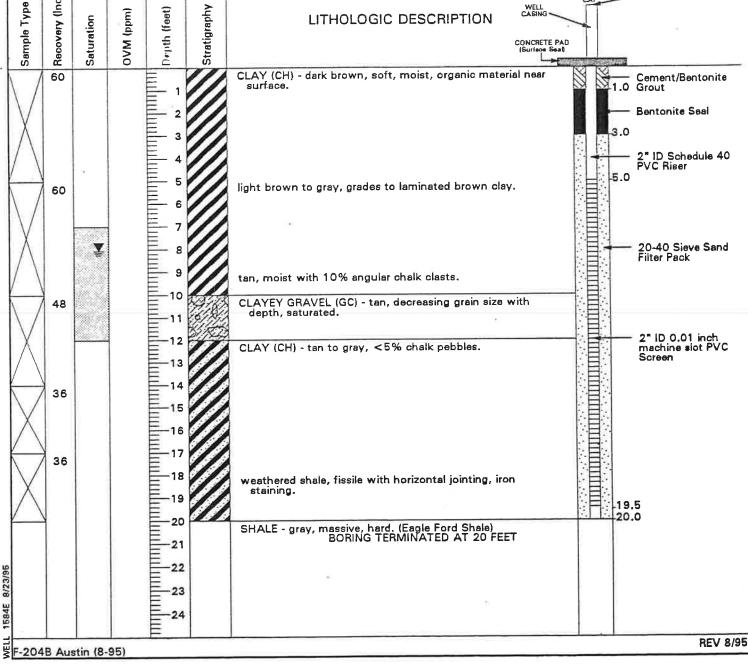
BORING NO. B5/LMW-5



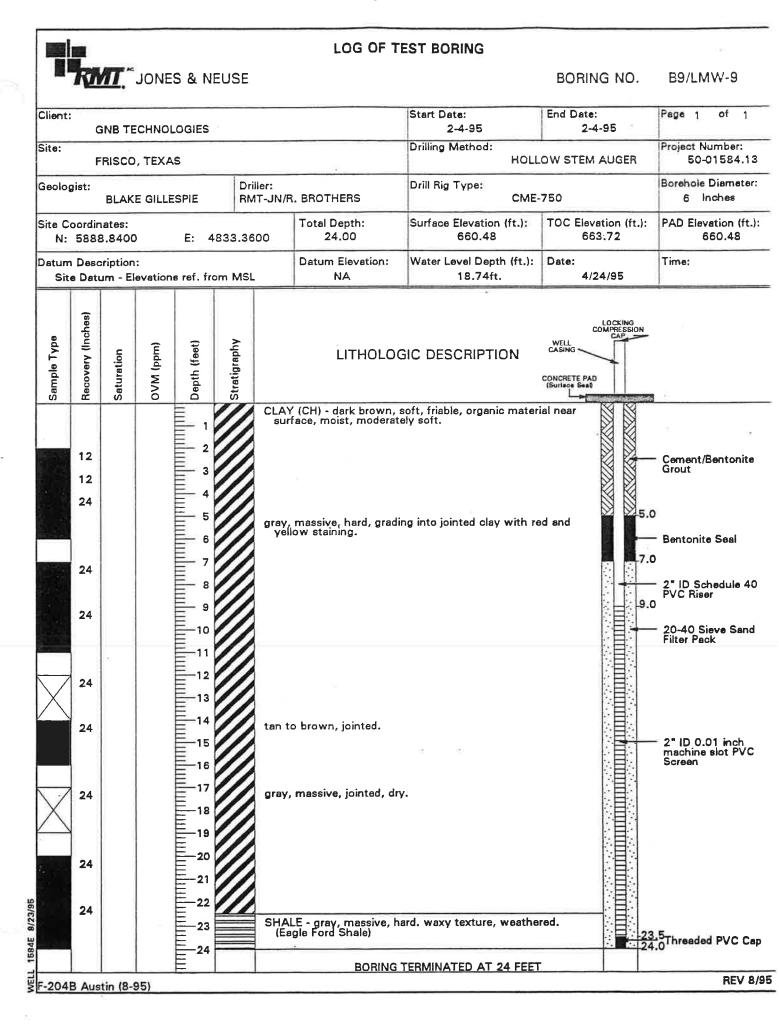
					LOG OF T	EST BORING		
k	MT."	JONE	S & NEU	JSE			BORING NO.	SB-6
lient:	GNB TE	CHNO	LOGIES			Start Date: 2-4-95	End Date: 2-4-95	Page 1 of 1
ite:	FRISCO	, TEXA	S			Drilling Method: HOLL	OW STEM AUGER	Project Number: 50-01584.13
eologist:		e gille	ESPIE	Drille	r: -JN/R. BROTHERS	Drill Rig Type: CME	-750	Borehole Diameter 6 Inches
ite Coord N: 61				39.960	Total Depth:	Surface Elevation (ft.): 652.79	TOC Elevation (ft.); NA	PAD Elevation (ft. NA
atum De	scription	:	ns ref. from	n MSL	Datum Elevation: NA	. Water Level Depth (ft.): NA	Date: NA	Time: NA
Semple Type Becovery (Inches)	Saturation	(mqq) MVO	Depth (feet)	Stratigraphy		LITHOLOGIC DES	SCRIPTION	
24					CLAY (CH) - brown , moo	derately organic, moist, firm	n.	
24 24 24 24 24 24	4		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		light brown and gray. tan to brown, very firm, CLAY (CH) - tan, firm wi staining.	massive. th horizontal jointing, 1-3"	width, jointing coated	with red and yellor
2	4		11 12 13 14 14 15 16 17 18 19		SILTY SAND (SM) - red,	medium grained, friable, cl	ay coating on graines.	8
1	2		20	1.1.1	SHALE - gray, massive,	hard. (Eagle Ford Shale)		
			21 22 23 23 24		BORING	3 TERMINATED AT 21 FEE	T	
	Austin (8		E		×			REV

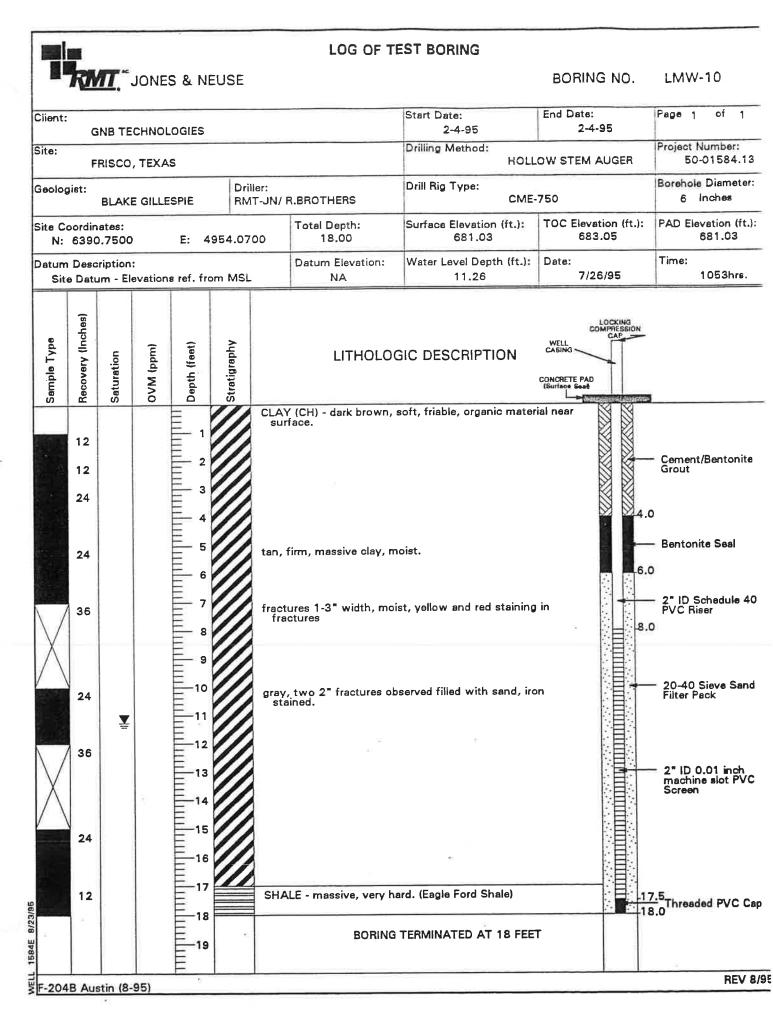
of 1





- 12	<u>.</u>	JONE	S & N	EUSE				BORING NO.	B8/LMW-8
lient:		CHNOL	OGIES				Start Date: 2-4-95	End Date: 2-4-95	Page 1 of 1
ite: FRISCO, TEXAS							Drilling Method: HOLL	OW STEM AUGER	Project Number: 50-01584.1
eologist:	BLAKE	GILLE	SPIE	1	riller: MT-JN/	R. BROTHERS	Drill Rig Type: CME-	750	Borehole Diemete 6 Inches
ite Coordi N: 553			E: 4	812.0	100	Total Depth: 22.00	Surface Elevation (ft.): 645.57	TOC Elevation (ft.): 648.68	PAD Elevation (ft 645.57
atum Des Site Dat		vation	в ref.fr	om MS	ιL	Datum Elevation: NA	Water Level Depth (ft.): 11.13	Date: 7/26/95	Time: 0630hrs.
Sample Type Recovery (Inches)	Saturation	(mdd) MVO	Depth (feet)	Stratigraphy				CONCRETE PAD (Surface Seal)	
24 24 60			1 2 3 4 5 6 7 8 9 10				organic material, moist, firr firm, 10-20% course sand	5.0	 Bentonite Seal 2" ID Schedule 4 PVC Riser
12 48			11 12 13 14 15			YEY GRAVEL (GC) - s Y (CH) - brown, mass			- 2" ID 0.01 inch machine slot PVC
24			16 16 17 18 19			ecovery D(SP)-grayand red,	, medium grained, moist.		SCIEBN
24			20 21 22 22 23 23 24		SHA		ive. (Eagle Ford Shale) TERMINATED AT 22 FEET		-5 Threaded PVC Co





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17		JONES	& NEU	ISE		EST BORING	BORING NO.	SB-11
Client:	GNB T	ECHNOLO	GIES			Start Date: 7-19-95	End Date: 7-19-95	Page 1 of
Site:	FRISCO	D, TEXAS				Drilling Method: HOLL	OW STEM AUGER	Project Numbe 50-01584
Geologist			ADE	Driller: E.D.S.I./	MIKE McNITT	Drill Rig Type: CME	750	Borehole Diam 6 Inches
Site Coor N: 63	dinates: 380.170		E: 427	9.5396	Total Depth: 23.00	Surface Elevation (ft.): 655.15	TOC Elevation (ft.): NA	PAD Elevation NA
Datum D Site D		n: levations i	ref. from	MSL	Datum Elevation: NA	Water Level Depth (ft.): NA	Date: NA	Time: NA
Sample Type	Seturation	(mqq) MVO	Depth (feet)	Stratigraphy		LITHOLOGIC DES	SCRIPTION	
6	0		- 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11	C LA	AY (CH) - silty; very sti hanging to gray with n	iff; slightly plastic; olive wi ust and yellow mottling; sli	th gray, rust, and yello ghtly moist, laminated	w mottling;
8/23/96 3/	- 		12 13 14 15 16 17 18 19 20 21 22 23	silty	AY (CH) - sandy, very t ome seams of weather ALE - gray; dense; hard		rellowish brown with r L	
584E 8/						TERMINATED AT 23 FEET		

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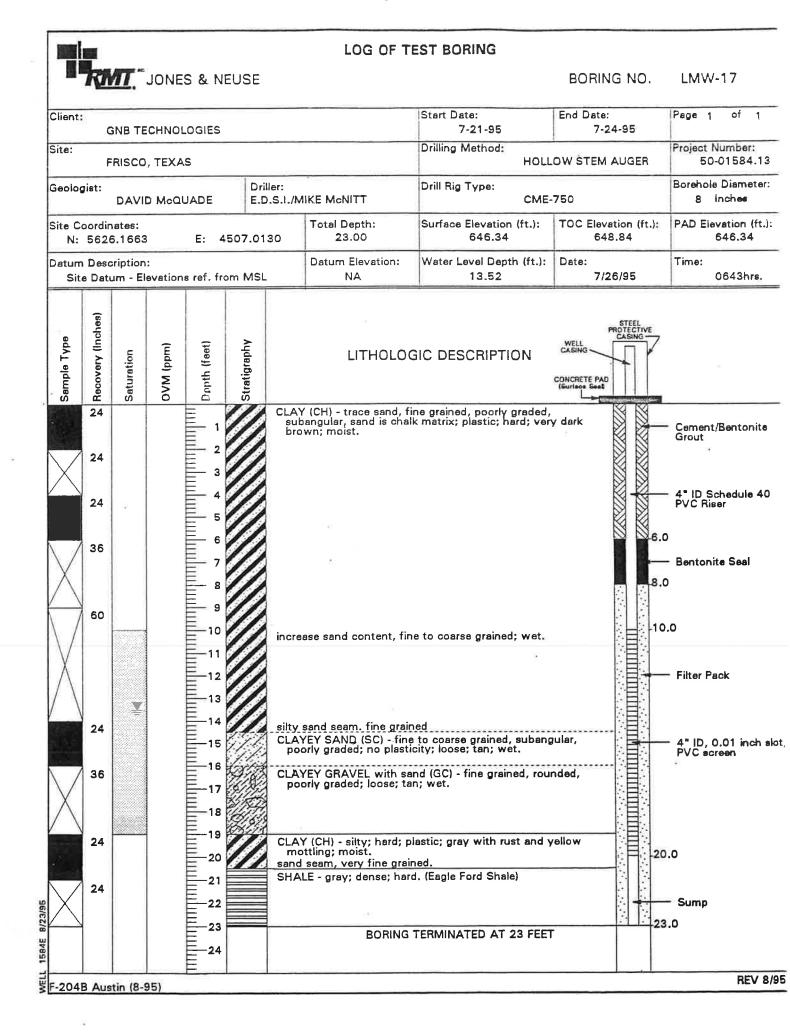
JONES & NEUSE			
JUNES & NEUSL		BORING NO.	SB-12
GNB TECHNOLOGIES	Start Date: 7-19-95	End Date: 7-19-95	Page 1 of 1
te: FRISCO, TEXAS	Drilling Method: HOLL	OW STEM AUGER	Project Number: 50-01584.13
eologist: Driller: DAVID McQUADE E.D.S.I./MIKE McNITT	Drill Rig Type: CME	750	Borehole Diamater: 6 Inches
te Coordinates: Total Depth: N: 6472.1875 E: 4300.0402 25.00	Surface Elevation (ft.): - 656.40	TOC Elevation (ft.): NA	PAD Elevation (ft.): NA
atum Description: Datum Elevation: Site Datum - Elevations ref. from MSL NA	Water Level Depth (ft.): NA	Date: NA	Time: NA
edA L eldures 60 60 60 60 60 60 60 60 60 60 60 60 60	LITHOLOGIC DES fine to medium grained, sub hard; dark brown change to		ed, sand is chalk
60 60 60 60 60 60 60 60 60 60 60 60 60 6	plastic; gray with rust and y	ellow mottling; laminat	
60 16 16 17 18 18 18 18 18 18 18 18 18 18	enses.		
21 22 23 23 24 24 25 24 25	ard. (Eagle Ford Shale) TERMINATED AT 25 FEET		
			REV 8

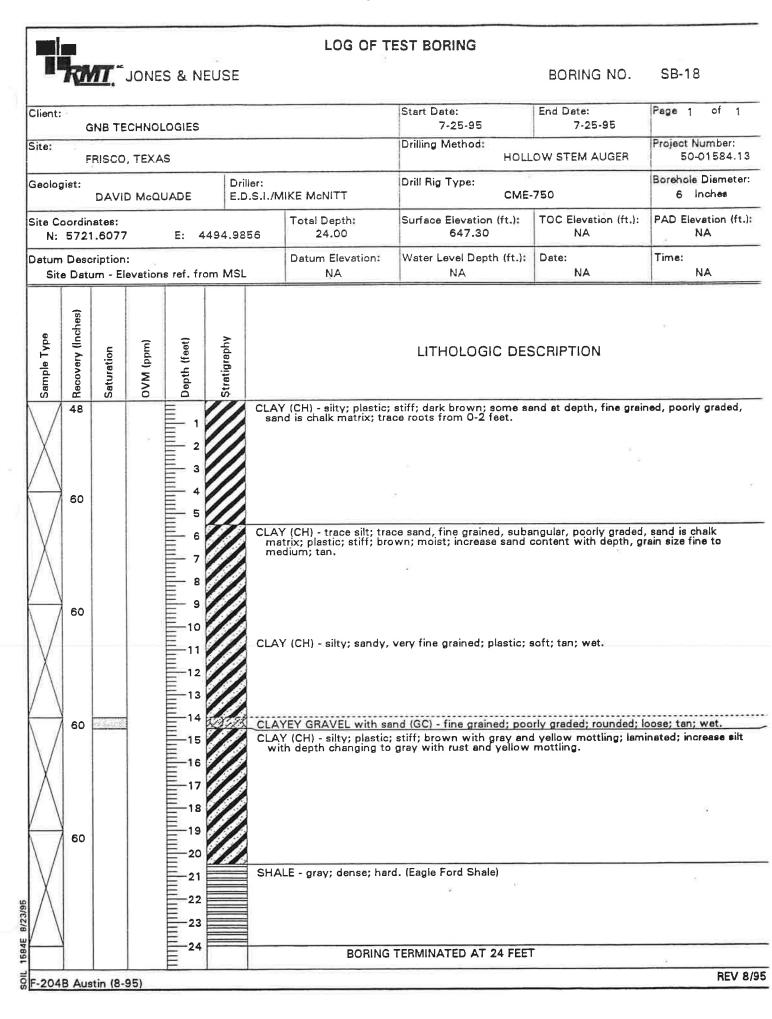
	e	LOG OF T	EST BORING		
JOL THAT	NES & NEUSE			BORING NO.	SB-13
Client: GNB TECHN	OLOGIES		Start Date: 7-19-95	End Date: 7-19-95	Page 1 of 1
Site: FRISCO, TE	XAS		Drilling Method: HOLL	OW STEM AUGER	Project Number: 50-01584.1
Geologist: DAVID Mo	Drille CQUADE E.D.	ər: S.I./MIKE McNITT	Drill Rig Type: CME-	750	Borehole Diamete 6 inches
Site Coordinates: N: 6459.5969	E: 4644.771	Total Depth: 3 20.00	Surface Elevation (ft.): 669.41	TOC Elevation (ft.): NA	PAD Elevation (f
Datum Description: Site Datum - Elevati	ions ref. from MSI	Datum Elevation: NA	Water Level Depth (ft.): NA	Date: NA	Time: NA
Bample Type Becovery (Inches) Seturation OVM form)		CLAY (CH) - sandy, fine g plastic; stiff; dark browr	LITHOLOGIC DES rained, poorly graded, suba n; moist.		matrix; silty;
60	2 3 4 5 6 7 8 9 9	CLAY (CH) - silty; plastic; very fine grained sand sea some weathered shale, be		ellow mottling; lamina	ted; slightly moist.
60	11 12 13 14 15	Some weathered shale, be SHALE - gray; dense; hard	÷		
		BORING	TERMINATED AT 20 FEET		251
F-204B Austin (8-95)	22 23 24		12		REV

	F TEST BORING
JONES & NEUSE	BORING NO. SB-14
nt: GNB TECHNOLOGIES	Start Date: End Date: Page 1 of 1 7-19-95 7-19-95 7
FRISCO, TEXAS	Drilling Method: Project Number: HOLLOW STEM AUGER 50-01584.13
Diogist: DAVID McQUADE E.D.S.I./MIKE McNITT	Drill Rig Type: Borehole Diameter CME-750 6 Inches
Coordinates: Total Depth: N: 6414.7340 E: 4474.3169 14.00	Surface Elevation (ft.): TOC Elevation (ft.): PAD Elevation (ft.) 656.75 NA NA
um Description: Datum Elevati Site Datum - Elevations ref. from MSL NA	on: Water Level Depth (ft.): Date: Time: NA NA NA
Recovery (Inches) Saturation OVM (ppm) Depth (feet) Stratigraphy	LITHOLOGIC DESCRIPTION
60 60 60 60 60 60 60 60 60 60	yhtiy plastic; stiff; gray with rust and yellow mottling; laminated; slightly
-11 SHALE - gray; dense -12 -13 -14 -14 BO -15 -16 -16 -17 -18	; hard. (Eagle Ford Shale) RING TERMINATED AT 14 FEET
19	

							LOG OF T	EST BORING				
17	RA	Π.	JONE	S&N	EUS	Ξ			BORING NO.	SB-15		
Client:	G		снио	LOGIES				Start Date: 7-21-95	End Date: 7-21-95	Page 1 of 1		
Site:	F	RISCO	, TEXA	4s				Drilling Method: HOLL	OW STEM AUGER	Project Number: 50-01584.13		
Geologi	ist:	DAVI	D McQ	UADE		Driller: E.D.S.I./	MIKE MeNITT	Drill Rig Type: CME-750		Borehole Diameter: 6 Inches		
Site Co N:		ates: 2.6367		E: 4	4852.	8441	Total Depth: 26.00	Surface Elevation (ft.): 650.92	TOC Elevation (ft.): NA	PAD Elevation (ft.): NA		
Datum Site				ns ref. fr	om M	si	Datum Elevation: NA	Water Level Depth (ft.): NA	Date: NA	Time: NA		
		111 - EF	5Vation									
ø	Recovery (Inches)											
Sample Type	very (li	Saturation	(mqq) MVC	Depth (feet)	Stratigraphy		LITHOLOGIC DESCRIPTION					
Samp	000eg	Satur	MVO	Dept	Strat			o medium grained, poorly g				
	24 36 24 36			1 3 4 5 6 7 8 9 10 11 12 13		CLA br la	AY (CH) - trace silt; son rown mottling; moist a minated.	ne chalk fragments, suban t 7.5 feet; change color to	gular; plastic; hard; br gray with rust and ye	own with yellowish allow mottling;		
	24 36 24 36 24			13 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		CL/ Ia	AY (CH) - silty; plastic; minated. ALE - dark gray; dense	and seams, very fine grain content with depth. stiff; some weathered sha ; hard. (Eagle Ford Shale) TERMINATED AT 26 FEET	ale; brown with dark g			
				29								
	. A.:	 :tin (8-	05)	E .						REV 8/		

E	Ki/	Π.".	JONE	S & NE	USE				BORING NO.	SB-16	
Client:	G	NB TE	снио	LOGIES				Start Date: 7-21-95	End Date: 7-21-95	Page 1 of	
Site:	Fi	RISCO,	TEXA	AS				Drilling Method: HOL	LOW STEM AUGER	Project Number 50-01584	
Geolog		DAVIE) McQ	UADE	Driller: E.D.S.I.	/MIKE Mcl	דדונ	Drill Rig Type: CME-750		Borehole Diam 6 Inches	
Site Coordinates: Total Depth: N: 5625.1147 E: 4828.9834 24.00								Surface Elevation (ft.): 647.94	TOC Elevation (ft.): NA	PAD Elevation (ft. NA	
Datum Description: Datum Elevat Site Datum - Elevations ref. from MSL NA								Water Level Depth (ft.): NA	Date: NA	Time: NA	
Sample Type	B Recovery (Inches)	Saturation	(mqq) MVO	Depth (feet)	LITHOLOGIC DESCRIPTION LITHOLOGIC DESCRIPTION CLAY (CH) - silty; some sand, medium grained, subangular, poorly graded, sand is c matrix; plastic; hard; dark brown; moist; roots.						
	60			2 3 4 5 6 7 8 9 10 11 12				m to coarse grained, poo ;; stiff; light brown; moist nd, fine grained; very pla e fine grained sand conter			
	60			13 14 15 16 17	E CI	tiff; tan w	ith rust mott	erv fine grained sand: plas			
	60 18 CLAY (CH) - trace silt, laminated; slightly plastic; hard; gray with ruvery fine grained sand seam at 19 feet, gray, wet. 60 20 20 21 fine grained sand seam from 20.5 to 20.7 ft., wet. 22 SHALE - dark; dense; hard.									yellow mottling	
/				24							





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					RING, INC.ProjectRemedialInvestigationBoring no.EARGNB, Incorporated - Frisco, Texas	P-1	
	-		-	_	Sheet Sheet	_	_
_	_		_	_	s: 4.5" Split Spoon Completion date: 5/8/90 Boring depth:		5.0
Dr	illing	m	etho	ods:	8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:		0.0
Gr					ation: 636.14 (msl) Date: 7/16/90 Surface elevation: 645.9	5 (r	nsl)
Depth (ft.)		USC USC	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing No 200 Sieve
- 5					CLAY, dark brown, stiff, with calcerous pebbles, root zone to 5'		
ł	-G	C 全	₿	Ð	GRAVEL, clayey, calcerous, wet		
ł.	-0	H	×		CLAY, silty, tan		
- 10	c	T			CLAY, silty, tan, with calcerous pebbles, moist		
t	c	H		-	CLAY, silty, colcareous, with aravel		
- 15	C	_			CLAY, ton, very stiff, with pebbles		
ŀ	ſ			Ŧ	SHALEY CLAY, gray, orange staining on parting surfaces		
	-s	H			SHALE, dark gray, fissile, brittle, yellow staining on parting surfaces, moist, pyrite nodule at 18.5'		
F ²⁰	s	HV	1		SHALE, dark gray, fissile, brittle		
-	-	V	1				
t		V	1		х		
- 25]	Z	1_				
F	+				-		
1	-						
L]						
- 30	-				ł		
-	-						
Ē]						
-	_				ļ		
- 35	-				ŀ		
495 P-1 PS:1=	L	og	of	Bo	Pring No.P-1E = CHEMICAL ANALYSISE = SIEVE ANALYSISE = PERMEABILITY SAMPLEPLATE		

Exide	APAR	Page	898	of 2984
LAIGO	/ . /	i uge	000	012004

	GNB, Incorporated - Frisco, Texas	P-2										
	Sampling methods: 4,5" Split Spoon Completion date: 5/9/90 Boring depth:	22.0										
	Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	20.0										
	Groundwater elevation: 633.35 (msl) Date: 7/16/90 Surface elevation: 642.82											
	Depth (ft.) USC SYMBOLS CONSTRUCTION SYMBOLS Somples	Recovery % Passing										
	CH CLAY, dark brown, highly plastic, with small calcareous pebbles											
	CLAY, brown mottled orange, with calcareous pebbles											
d.	CLAY, silty, brownish gray, with calcareous pebbles	+										
	at depth, selenite crystals found on parting surfaces	-										
	SH LIMESTONE, layer, refusal at 22'											
68 P-2 PS I=1	Log of Boring No. P-2 E = CHEMICAL ANALYSIS E = SIEVE ANALYSIS E = PERMEABILITY SAMPLE PLATE											

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7

Som	plin	g m	eth	nod	s: 4.5" Split Spoon Completion date: 6/22/90 Boring depth;	t 1	62.0
Drilli	ing	meti	hoc	ls:	8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:		59.5
Grou	undw	vater	e	levo	ation: 622.01 (msl) Date: 7/16/90 Surface elevation: 679.4	0	(msl)
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing
	LS				LIMESTONE, (Austin Chalk Group), light brown CLAY, light brown, moderately dry		
5 -	СН		8	=	SHALEY CLAY, light brown, calcareous, fissile		+
8	СН			$\left \right $	SHALEY CLAY, dark gray, calcareous, fissile		-
2 . 2-	SH			ł	SHALE, dark gray, sand lense at 10.0'		-
10 -	SH		8		SHALE, dark gray, hard, fissile, (refusal at 16', needed drilling method change from auger to mud rotary)		
- 15 - -	SH			-	SHALE, dark gray		
- - 20 -			R		<<< RIG CHANGE TO MOBILE B-53 >>>		
i G							Ļ
- 25 - -	SH				SHALE, dark gray		
- 30 -							
- - 35 -	SH		1		SHALE, dark gray		
					The set of the set o		

LAF	Œ Ē	NGI	NEE	RING,	INC.	Pro			Investi				Boring no.	B1-	-N
Proj	ect r	no.	49	5.4.5			GN	B, Inc	orporate	ed -	Frisco,	Texas	She	et 2	of 2
Sam	pling	met	thod	s: 4.5	" Spli	t Spoor)	Comple	tion date:	6/:	22/90		Boring depth:	(52.0
Drilli	ing n	nethc	ods:	8.0"	Hollo	w Stem			MOBIL	_			Well depth:	;	59.5
Grou	-		elevo	ition:		622.01	(msl) [Date:	7/16/90	0 9	Surface el	levation:	679.	40 (msl)
Depth (ft.)	USC CLASSIFICATION	USC SYMBULS CONSTRUCTION SYMBOLS	Samples			STI	RATI	JM	DES	CR	IPTIC	ÓN		Recovery	% Passing No. 200 Sieve
- 40 -	SH SH SH			SHALI	E, dar	k gray k gray k gray									
- 50 - - 55 - 	L S			SHAL	E, dar	k gray,	pyrite	nodul	<u>crystal</u> es at 5 ', silt la	5', s	and lay	ver at			
			-												
	Log	g of	Во	ring N	lo. E	31-N	豊臣	🗄 = S	HEMICA	VALY:	SIS	-E	PLATE		

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LAKE ENGINEERING, INC. Project Remedial Investigation Boring no.	B-2R
GNB Incorporated - Frisco, Texas	t 1 of 1
Sampling methods: 4.5" Split Spoon Completion date: 7/11/90 Boring depth:	19.0
Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	17.0
Groundwater elevation: 633.76 (msl) Date: 7/16/90 Surface elevation: 642.7	79 (msl)
Depth (ft.) USC SYMBOLS CONSTRUCTION SYMBOLS Somples Samples	Recovery % Passing No. 200 Sieve
CLAY, dry, calcareous pebbles CLAY, shaley CLAY, shaley	
Log of Boring No. B-2R E = CHEMICAL ANALYSIS $E = SIEVE ANALYSIS$ $E = PERMEABILITY SAMPLE PLATE$	

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ſ	LAK	Œ	EN	GIN	NEF	RING,	INC.	Pro			ial Investig ncorporate		a Tava	Boring no.	B-3	3R
		_		_		5.4.5								Shee	t 1 c	
	Som	plir	ng r	net	hod	_	" Split				pletion date:			Boring depth:	_	14.0
	Drilli	ing	me	tho	ds:	8.0"					rig: CME-			Well depth:		14.0
	Grou	undv	_	_	_	ation:	6	38.51	(msl)	Dote:	7/16/90	Surface	elevation:	649.2	23 (/	msl)
	Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples			ST	RA	TUN	DES	CRIPTI	ON		Recovery	% Passing No. 200 Sieve
		СН		\otimes		CLAY,	gray									
ł		СН		XX		CLAY,	gray									-
	-	СН			•=		gray,		tone							
	10 -	СН			•=	SHAL	EY CLA	Y								<u> </u>
ł				SILLING STREET												-
İ		1		IIIIII												
-																
ł	15 -															<u> </u>
t		1														
ł																
ł																
t	20															
						-										
ł																
ł	: : 															
	- 25 -	1														
ł																
ł	8															-
t	- 30 -	1														
	- UC -															
ł	•	1														
ł	•															
t	- 35 -	1														
	55-															
192 B-38 PS I=1		Lo)g	of	Bo	oring N	lo. B	-3R			CHEMICAL SIEVE AN PERMEAB	ANALYSI ALYSIS ILITY SAM	S PLE	PLATE		

LAK	E EN	GINE	ERING, I	INC.	Pro						- Towa	Boring no.	B-4	4R
Proj	ect no.	. 49	5.4.5			G	чв, in	corpor		- Frisc	o, lexa	S Shee	t 1 d	of 1
Som	pling r	method	is: 4,5	" Split	Spoor	1	Comp	letion da	ite: 7	7/11/90		Boring depth:		9.0
Drilli	ing me	thods:	8.0"	Hollow	Stem	Auge	_		_			Well depth:		9.0
Grou	undwate	er elev	ation:	65	4.44	(msl)	Date:	7/16/	/90	Surface	elevation:	661.4	0 (msi)
Depth (ft.)	USC CLASSIFICATION USC SYMBOLS	construction smaols Samples			STI	RAT	UM	DE	SC	RIPT	ION		Recovery	% Passing No. 200 Sieve
				EY CLA										
- 10 -	SH		SHALE	E, dark	gray		2							
- 20 -	-													
- 30 -														
	Log	of B	oring N	lo. B [.]	-4R			SIEVE	ANA	ANALYS LYSIS ITY SAM		PLATE		

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LAKE ENGINEERING, INC. Project Remedial Investigation Boring	g no. B-5N
Project no. 495.4.5 GNB, Incorporated - Frisco, Texas	Sheet 1 of 1
Sampling methods: 4.5" Split Spoon Completion date: 6/7/90 Boring of	
Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well dep	
	629.97 (msl)
Depth (ft.) USC SYMBOLS ONSTRUCTION SYMBOLS Samples Samples	Recovery % Passing
CH CLAY, silty, dark brown, calcareous, with sand size calcareous particles	
CLAY, silty, very soft, moist, blocky	
GRAVEL, dense clay interfill, calcareous, wood fiber and sand size calcareous particles at 12.0-13.0'	
- 15 - CH SHALEY CLAY, yellow stoining on parting surfaces, 3" seam of clayey gravel at 19.0'	
- ₂₀ - CH - SHALE, dark gray, fissile, brittle 19.25-19.50'	
- 30	
Log of Boring No. B-5N = CHEMICAL ANALYSIS = SIEVE ANALYSIS = PERMEABILITY SAMPLE PLA	TE

U.

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LAK	ΈĔ	NGI	NEE	RING, INC.	Projec		lial Investig			ring no.	B-7	7N
Proj	ect r	10.	49	5.4.5		GNB, I	ncorporate	d — Frisco, T	exos	Sheet	1 0	f 1
Som	pling	met	hod	s: 4,5" Sj	olit Spoon	Corr	pletion date:	5/10/90	Boring	g depth:	2	.5.0
Drilli	ng m	netho	ds:	8.0" Hol	low Stem /	Auger Drill	rig: CME-	55	Well o	depth:	2	4.0
Grou			elev	ation:	634.66 (msl) Dote:	7/16/90	Surface eleva	tion:	644.0	8 (r	nsl)
Depth (ft.)	USC CLASSIFICATION		Samples					CRIPTION	N		Recovery	% Passing No. 200 Sieve
	CH			amount (and size of	calcare	ous particle	s, increase in es at depth				
	CHEERENEE			calcareou	s pebbles			blocky, with				
	CH			calcareou	s particles	pebbles	than abov					
- 15 - 				crystals of	on parting	surfaces		athering, sele				
- 20 -	3			tle and r				brittle,less bri Igments 23—2				
- 30 -												
 - 35 -												
	Log	g of	Bo	oring No.	B-7N		SIEVE AN	ANALYSIS ALYSIS ILITY SAMPLE	PI	LATE		

Exide APAR Page 906 of 2984

	LAKE ENGINEERING, INC.ProjectRemedial InvestigationBoring no.BProject no.495.4.5GNB, Incorporated - Frisco, TexasSheet 1	
	Sampling methods: 4,5" Split Spoon Completion date: 5/15/90 Boring depth:	20.0
	Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	14.0
	Groundwater elevation: 618.89 (msl) Dote: 7/16/90 Surface elevation: 626.93	(msl)
	Depth (ft.) USC STABOLS CONSTRUCTION STABOLS Somples Somples	% Passing No. 200 Sieve
	CHE CLAY, dark brown, highly plastic, calcareous, shell fragment at 3'	
	5 CH CLAY, dark brown, highly plastic, with calcareous Pebbles Pebbles CH SHALEY CLAY, gray, highly plastic, calcareous, light yellow and orange weathering on parting surfaces	
	10 CH F CH SHALEY CLAY, gray, yellow weathering on parting surfaces CH SHALEY CLAY, dark gray, light yellow staining on parting surfaces	
	15 SHALE, dark gray, fissile, thin sand lenses SHALE, dark gray, brittle, fissile, very dry	
	20 - SHALE, dark gray, moderately fissile	
	- 30	—
	- 35 -	
152 M-8 55	Log of Boring No. B-8N E = CHEMICAL ANALYSIS E = SIEVE ANALYSIS E = PERMEABILITY SAMPLE PLATE	

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						RING, 5.4.5	INC	•	Pr	oject						ation d — F		, Texa		ring no.	B-9	
$\left \right $		_		_		s: 4,5	<u>," (</u>	Solit	Spoo			Сол	noleti	on dr	nte:	6/12	/90		Boring	onee depth:	t 1 o 1	8.0
ł			_			8.0"		<u> </u>			_		_	_	_		.,			depth:		7.0
ł		_		-	_	otion:			28.45			Date		/16			rface e	elevation:				nsi)
	Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples												⊃Ţļ¢	ŐN			Recovery	% Passing No. 200 Sieve
	- 5 -	CH				size	cale	cared	ous p	ebb	les							to grav	vel			
	• •	GC CH			Ŧ	pebb	les		claye									surface	e .			<u> </u>
	- 10 -				•	SHAL		ULA	, yr	uy,		inge	510	mmų	, OF		ung s	Surrece	5			
	- 15 - - 	SH				SHAL with	.E, sar	dark nd la	gray iyers	, fis 17.5	ssil€ 5—1	e, ve 8.0'	ery I	orittl	e, i	nterb	eddeo					
	- 20 -																					
	- 25 -																					
	 - 30 -																			ĸ		
	- 35 -																					
1=1:Sd N6-8 565		Lc	bg (_ of	Bc	oring l	No.	B	-9N			AH =	= 51	FVF	AN.	AI YSI	LYSIS S SAMF		PI	LATE		

LAKE ENGINEERING, INC. Project no. 495.4.5 Project Remedial Investigation GNB, Incorporated – Frisco, Texas	Boring no. M s Sheet 1	M10 of 1
Sampling methods: 4.5" Split Spoon Completion date: 6/13/90	Boring depth:	19.0
Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55	Well depth:	17.0
Groundwater elevation: 637.95 (msl) Date: 7/16/90 Surface elevation:	645.12	(msl)
Depth (ft.) USC SYMBOLS CONSTRUCTION SYMBOLS Somples Somples	Recovery	% Passing
CHECHECLAY, dark to medium brown, with calcareous pebbles		
CHECHECHECHECHECHECHECHECHECHECHECHECHEC		
CH CLAY, gray mottled orange-brown, dense, highly plastic 10 - CH SHALEY CLAY, gray, moist, yellow and orange staining of parting surfaces	on	
- 15 - 		
Log of Boring No. MW10 E = CHEMICAL ANALYSIS E = SIEVE ANALYSIS E = PERMEABILITY SAMPLE	PLATE	

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t:

						INC.	Pro			ial Inves				co. Tex		ing no.	M۷	
-	oject	_	_		5.4.5							_					t 1	_
	_	_	_	_			Spoor			pletion dat			11/90			depth:		19.0
Dr	illing	me	etho	ds:	8.0"					rig: CME					Well d			17.0
Gr				elev	ation:	6	15.76	(msl)	Date:	7/16/	90		Surface	elevation	1:	625.5	8 ((msl)
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples						1 DE							Recovery	% Passing
-		<u>THE PERSON T</u>			CLAY, block	, dark y with	brown, calcar	dens eous	se, hi pebbl	ghly pla: es, shel	stic I fr	c, a ragr	alcore: nent	eous, at 18.0	³³			
- 5										n, highly bles ot				lcareou	S,			
- 10	G	日報		Ŧ			ndy, cl											
	- CI	H			CLAY	, light	brown	to gi	ray, r	noist, hi	ighl	ly f	olastic				-	-
F	-			-														1-
F	-																	-
-	Isi	H			SHAI	E darl	k gray,	britt	le fis	sile								
15	-	V		ŧ	JUAL	L , uun	k gruy,	Unice		5110								
Ē	1	V	18	1														
Ē		V	1															
]	12	1_															
- 20	-																	-
╞	-																	-
ŀ	-																	
F.	-		1															
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- 30	, -																-	
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-	-																	
ŀ	-																	-
ŀ	-																	-
- 35	; -																-	
																	-	
ISING USINGS	L	.og	of	B	oring N	No. N	/W11			CHEMIC SIEVE PERME	AN	ALI	rsis		PI	ATE		

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1					RING, INC. Project Remedial Investigation Boring no. GNB, Incorporated - Frisco, Texas	MW	
	_	_		_	5.4.5 She	et 1 c	of 1 18.5
	_		_	_			18.5
	_		-	-			msl)
Grou		-	(n]		otion: 624.43 (msl) Date: 7/16/90 Surface elevation: 633.	J ('	
Depth (ft.)	101	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing No. 200 Sieve
	CH				CLAY, medium brown, firm, calcareous pebbles		
 - 10 -	CF CF				CLAY, medium brown, firm, calcareous pebbles		
					CLAY, medium brown, firm, calcareous pebbles		
	СН			-	SHALEY CLAY, brown to gray, yellow and orange weathering		
				T	on parting surfaces LIMESTONE, very hard, 1" layer-12"		
- 15 -				E			
	SH	1			SHALE, dark gray, fissile		
Γ.	-SH	4	보.		COMPOSITE LOG, 0-12.0' 1st, 12.0-18.5' 2nd, 6' offset NW	·	-
- 20 -							
	-						-
	1						
	1						
- 25]			1			
- ·							-
	-						1
F '	1						
- 30 ·	1						
F.	-						-
F .	-						
- 35							-
-122 June Co	Lo	bg (of	В	Dring No.MW12Image: Big = Chemical AnalysisImage: Big = Sieve AnalysisImage: Big = Sieve AnalysisImage: Big = Permeability SamplePLATE		

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				RING, INC.ProjectRemedialInvestigation5.4.5GNB, Incorporated - Frisco, Texas	Boring no. Sheet	MW	
			-		oring depth:		5.0
		_	_		ell depth:		2.0
	andwa	_	_		636.1	_	nsl)
Depth (ft.)	USC CLASSIFICATION		Samples	STRATUM DESCRIPTION		Recovery	% Passing No. 200 Sieve
	CH Heliciterentinentinentinentinentinentinentine			CLAY, dark brown, fill CLAY, dark brown, dense, stiff			
				CLAY, moist, loose, blocky CLAY, dark brown, dense, stiff CLAY, silty, dark brown, loose, moist, sand layers 8.0' and 9.0', shell fragments 11.0' and 12.0'			
- 15 -	C C C			CLAY, dark brown, calcareous, stiff, no recovery 13.5- 15.0' CLAY, silty, dark brown, calcareous			
	sc	A Strate	Ŧ	SILT, clayey, brown, calcareous			—
- 20 -	GM		ŧ	GRAVEL, silty, sandy, wet			
[CH			SHALEY CLAY, gray, yellow staining on parting surfaces			
- 25	SH			SHALE, dork groy			
al Sa Cian Co	Log	g of	Bo	bring No.MW13Em=CHEMICAL ANALYSISEm=SIEVE ANALYSISEm=PERMEABILITY SAMPLE	PLATE		

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					ERING, INC. Project Remedial Investigation Boring no. GNB, Incorporated - Frisco, Texas She	MV et 1	V14
_		-	-	-	Is: 4.5" Split Spoon Completion date: 6/18/90 Boring depth:		20.0
_	_	_	_	-	8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	_	17.0
					ation: 622.77 (msl) Date: 7/16/90 Surface elevation: 629.	89 (msl)
Depth (ft.)	usc o	USC SYME	CONSTRUCTION SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing
	CH - - CL		×		CLAY, dark brown, blocky, calcareous, with calcareous pebbles CLAY, sondy, gravelly, brown, slightly moist, dense, stiff		
- 10 -	- - - - - -			1	CLAY, slightly silty, light brown mottled gray, calca— reous pebbles, weathered limestone layers 13' and 13.5'		
15 -	CH MH CH SH				<u>CLAY, gray mottled brown</u> <u>SILT, clayey, moist</u> SHALEY CLAY, dark gray, dry, brittle, yellow staining on parting surfaces SHALE, dark gray, brittle, fissile		8
20 -			+				
25 -							
- 30 - -							
35 -							
	Lo	g	of	Bo	Dring No.MW14E = CHEMICAL ANALYSISE = SIEVE ANALYSISE = PERMEABILITY SAMPLEPLATE		

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					RING, INC. Project Remedial Investigation Boring no. GNB, Incorporated - Frisco, Texas	MW t 1 c	
Proje	-				5.4.5 Shee Shee Shee Shee Shee Shee Shee She	_	22.0
				_	8.0" Hollow Stem Auger Drill rig: CME-55 Well depth;		22.0
	_	_	_	_	ition: 617.05 (msl) Date: 7/16/90 Surface elevation: 624.9		msl)
Depth (ft.)	LASSIFICATION	IOLS	N SYMBOLS	Samples	STRATUM DESCRIPTION	Recovery	% Passing No. 200 Sieve
		n hinistinistinistin n	8		CLAY, dark brown, moist, calcareous, blocky		
- 5 -	CH		•	E	CLAY, dark brown, blocky, moist, highly plastic, loose, shell fragments		
- 10 - 	CH				CLAY, silty, sandy, dark gray, loose, very moist CLAY, stiff, sand size calcareous pebbles		
 - 15 - 	СН				CLAY, silty, dark brown mottled gray, calcoreous, calcareous pebbles GRAVEL, sandy, well graded, well rounded, calcareous,	-	
 - 20 -	SH	SHARA A			wet, clayey at 17.5-18.5'		
[SH	\mathbb{Z}			SHALE, dark gray, weathered		
- 25 -				*			
- 30 ·							
- 35 -							
at Sd SIMM CB)	Lo	bg	of	B	oring No.MW15E = CHEMICAL ANALYSISE = SIEVE ANALYSISE = PERMEABILITY SAMPLEPLATE		

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Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth: Groundwater elevation: 562.54 (msl) Date: 7/16/90 Surface elevation: 627.93 Note: Note: 900 (msl) 000 (msl) 000 (msl) 000 (msl) 000 (msl)	GNB, Incorporated - Frisco, Texas 5" Split Spoon Completion date: 5/23/90 Boring depth:	et 1 of 8 269.0
Groundwater elevation: 562,54 (msi) Date: 7/16/90 Surface elevation: 627.93 (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (2) (1) (1) (1) <t< th=""><th></th><th>77.</th></t<>		77.
E E CLAY, dark brown, blocky, calcareous, calcareous pebbles 5 CH CLAY, dark brown, moist, blocky 10 CH CLAY, dark brown, moist, blocky 10 CLAY, sandy, silty, gravelly, wet 15 CLAY, sandy, silty, gravelly, wet 20 SHALEY CLAY, gray with yellow and orange staining on parting surface 21 SHALE, dark gray, brittle, fissle, grading to less brittle, yellow weathering on parting surface 25 SHALE, dark gray, shell fragments at 28.0' ((Rig change to Mobile B-53 for rock coring)))		3 (msi)
 CLAY, dark brown, moist, blocky CLAY, dark brown, moist, blocky CLAY, brown, blocky, calcareous pebbles CLAY, sandy, silty, gravelly, wet CLAY, sandy, silty, gravelly, wet CLAY, sandy, silty, gravelly, wet SHALEY CLAY, gray with yellow and orange staining on parting surface SHALE, dork gray, brittle, fissle, grading to less brittle, yellow weathering on parting surface SHALE, dork gray, shell fragments at 28.0' ((Rig change to Mobile B-53 for rock coring)) 	STRATUM DESCRIPTION	Recovery % Passing
CLAY, dark brown, moist, blocky CLAY, dark brown, moist, blocky CLAY, brown, blocky, calcareous pebbles CLAY, sandy, silty, gravelly, wet CLAY, sandy, silty, gravelly, wet CLAY, sandy, silty, gravelly, wet CLAY, sandy, silty, gravelly, wet SHALEY CLAY, gray with yellow and orange staining on parting surface SHALE, dark gray, brittle, fissle, grading to less brittle, yellow weathering on parting surface SHALE, dark gray, shell fragments at 28.0' ((Rig change to Mobile B-53 for rock coring))	, dark brown, blocky, calcareous, calcareous pebbles	
CH CLAY, brown, blocky, calcareous pebbles CLAY, sandy, silty, gravelly, wet CH SHALEY CLAY, gray with yellow and orange staining on parting surface SHALE, dark gray, brittle, fissle, grading to less brittle, yellow weathering on parting surface SHALE, dark gray, shell fragments at 28.0' ((Rig change to Mobile B-53 for rock coring))	, dark brown, moist, blocky	
CH SHALEY CLAY, gray with yellow and orange staining on parting surface SHALE, dark gray, brittle, fissle, grading to less brittle, yellow weathering on parting surface SHALE, dark gray, shell fragments at 28.0' ((Rig change to Mobile B-53 for rock coring))		
²⁰ brittle, yellow weathering on parting surface ²⁵ SH SHALE, dark gray, shell fragments at 28.0' ((Rig change to Mobile B-53 for rock coring))	EY CLAY, gray with yellow and orange staining on ng surface	
SHALE, dark gray, shell fragments at 28.0' ((Rig change to Mobile B-53 for rock coring))	E, dark gray, brittle, fissle, grading to less e, yellow weathering on parting surface	
30 -	E, dark gray, shell fragments at 28.0' change to Mobile B—53 for rock coring))	
35 - 1		

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GNB Incorporated - Frisco Texas	MW16
Project no. 495.4.5 GNB, incorporated - Prisco, recas Sampling methods: 4.5" Split Spoon Completion date: 5/23/90 Boring depth:	2 of 8 269.0
Drilling methods: 8.0" Hollow Stem Auger Drill rig: CME-55 Well depth:	77.5
Groundwater elevation: 562.54 (msl) Date: 7/16/90 Surface elevation: 627.9	
STANDOLS	lg Sieve
Dept Samuel Samuel S	Recovery % Passir No. 200
SHALE, dark gray, 1/4" clay layer at 36.0' and 37.0'	
SHALE, dark gray, calcareous particles on parting surface from 42.0' to 136.0'	
45 SHALE, dark gray, pyrite found at 48.5', 4" limestone	
loyer at 53.0'	
55 SH SHALE, dark gray, sandstone layers at 59.5' and 61.5'	
clay lense at 62.0', sandstone layers at 64.0' and 64.5'	
-65 - SHALE dark gray limestone layers at 66.0' 66.5' and	
Log of Boring No. MW16 = CHEMICAL ANALYSIS = SIEVE ANALYSIS = PERMEABILITY SAMPLE PLATE	

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LAK					RING, 5.4.5	INC	С.	Proj		Reme GNB,						co, To	exos		ng no. Shee	MV et 3 d	V16
Sam	plin	g m	eth	ods	s: 4 .	5"	Split	Spoor	1	Cor	npleti	on dat	e:	5/2	23/90)		Boring	depth:		59.0
Drilli	ng	meth	hod	s:	8.0	' н	ollow	Stem	Aug	er Dri	I rig:	CME	I-5	5				Well de	epth:	-	77.5
Grou	indw	vater	r el	evo	ition:		56	2.54	(msl)	Date	: 7	/16/	90	S	Surface	eleva	tion:		627.9	93 (msl)
Depth (ft.)	USC CLASSIFICATION	USC SYME		Samples				STI												Recovery	% Passing No. 200 Sieve
	SH							gray, gray, layers													
						, -							_								
- 85 - - 90 -	SH		8		SHAI	_E,	dark	gray,	lime	eston	e lay	yer a	t 8	6.0'							
- 95 - - 95 - 	SH				SHA 103.	_E, 0',	dark and	gray, 104.0'	lime	eston	e la	yers	at	96.0	o', 97	7.0',					
- 105-		bg o		Bo	pring	No	. M	W16				HEMI(EVE ERME	CAL AN		IALYS SIS Y SAN	SIS		PI	ATE		

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GNB. Incorporated - Frisco. Texas	ing no. MW16
Project no. 490.4.0	Sheet 4 of 8 depth: 269.0
sampling methods. 4.3 Spirt Spoon compress con C/20/00	epth: 77.5
Groundwater elevation: 562.54 (msl) Date: 7/16/90 Surface elevation:	627.93 (msl)
Depth (ft.) USC SYMBOLS CONSTRUCTION SYMBOLS Somples Somples	Recovery % Passing Nn 200 Sieve
SHALE, dark gray, limestone layer at 107.0' and 108.0' sandstone layer at 108.75' and 110.0'	
SHALE, dork gray, limestone layer	
SHALE, dark gray, limestone layers	
SHALE, dark gray, thin limestone layers throughout fossil fragments found in limestone layers	
SHALE, dark gray, limestone layers, fractures at 60 at 136.0' and 136.5'	
-135- SH SHALE, dark gray, hard, dense, non-calcareous SH SHALE, dark gray, non-calcareous particles	
Log of Boring No. MW16 B = CHEMICAL ANALYSIS E = SIEVE ANALYSIS E = PERMEABILITY SAMPLE	

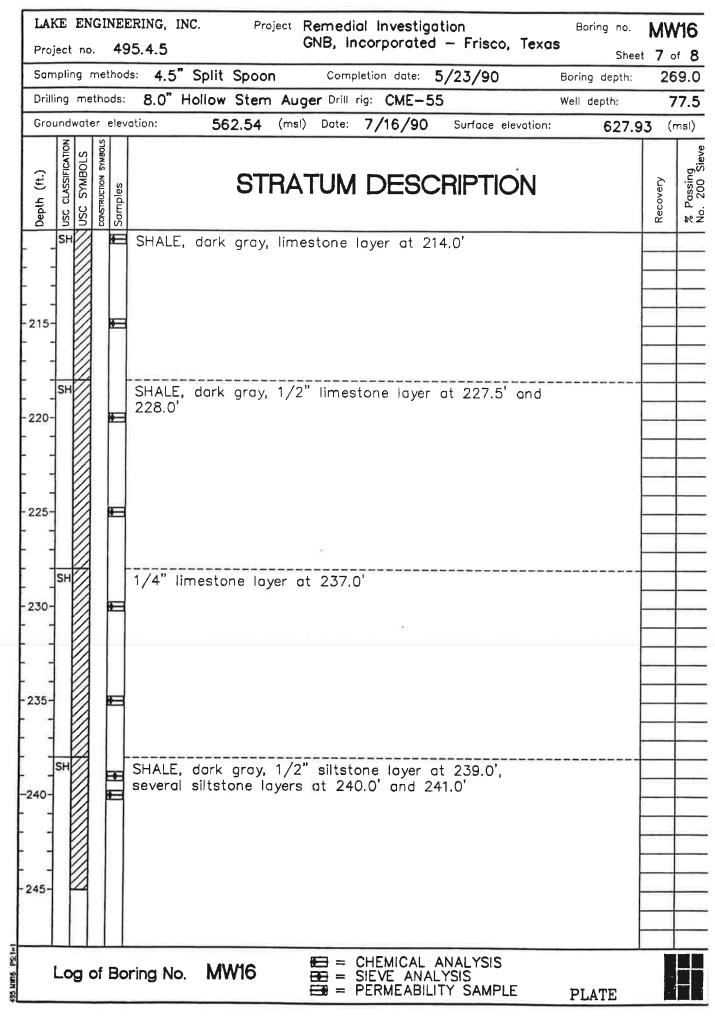
LAF Proj							INC	C.	Pro	je			med B, I								sco,	Te	exa		Bori		no. Shee			16
	-	_	_	_	_		39	Split	Spoor	n			Corr	ple	tion	da	te:	5/	/2	3/	90			Bor	ing	_	pth:		_	9.0
Drill	ing	met	tho	ds:	8	.0"	H	ollow	Stem	1	Auç	ger	Drill	rig	g: C	M	E-:	55						We	l de	epth	12		7	7.5
Grou	und	wate		elevo	ation	:		56	2.54	((msl)		Dote:		7/1	6/	′ 90		S	urfo	ce e	levat	tion:			62	27.9	93	(п	nsl)
Depth (ft.)	USC CLASSIFICATION	USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples					ST	F	} A	T	UN	1	D	E	S	CF	R	P	ΓΙΟ	NC	1					Recovery	Company	% Passing No. 200 Sieve
	SH	17		9	SH	IAL	Ξ,	dark	gray,	I	non	C	alco	are	POUS	s r	oar'	ticl	es											
- 150-	SH								gray,								eol	18												
 - 155- 	-				SH	IALI	Ξ,	dark	gray,		non	ı — C	alco	are	POUS	6														
- 160 · - - - 165 ·	-																													
	- S+			8	SH	IAL	E,	dark	gray,		1.5'		me	sto	one	10	yer	at	t í	173	.0'									
- 175-																														
495 WMB PS 1=	L	og	of	Bo	orin	g N	10.	M	W16						CHE SIEV PER	MI E ME	AN AB	_ A AL` ILIT	N/ YS IY	ALN SIS SA	'SIS	LE			PL	AT	E			

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Sam	plin g	me	thod	s: 4 .	5"	Split	Spo	on		(Com	pleti	on d	ote:	5,	/23,	/90		В	oring	depth	:	269	9.0
Drilli	ing m	netho	ods:	8.0	"⊦	lollov	v Ste	m	Aug	ger	Drill	rig:	Ch	1E-	55				W	ell de	epth:		7	7.5
Grou	Indwa	ter	elevo	ation:		5	62.54		(msl)) D	ate:	7	/16	/90)	Surf	face e	levatio	in:		627	.93	(m	nsl)
Depth (ft.)	USC CLASSIFICATION	CONSTRUCTION SYMBOLS	Somples				S	ΓF	7A	τl	JM	1 0	DE	S	CI	RIF	PTIC) NC				Recovery	(% Passing
- Al A -	SH			SHA	LE,	darl	(gra	у,	1"	ime	esto	ne	lay	er d	at	175.	5'							
- 80- - -	SH		æ	SHA	 LE,	dari	(gra	у,	1.5"	' lir	nes	tor	ne la	yer	. a.	t 18	2.5'							
- 85- - -	CH CH		8 2	<u> </u>				-																
-90 -90 -	SH		æ				(gra		1.	-														
95- - -	SH			SHA ((Co	LE, re	aari not	(graj recov	y, er	ed o	ot 1	ne 193.	0'	ver to	at 1 198	.0')	.0))								
- 200- -																								
- 205- - - -	SH		8	SHA lime	LE. sto	dari ne la	graj iyer d	y, at	6" 206	lime 5.5',	estc 1/	 /4"	lay lim	er (at one	204 9 lay	.0', ver 2	207.5	,					
10-															•	NAL	YSIS							

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LAK	E ENG	INEE	RING, INC. Project Remedial Investigation GNB, Incorporated - Frisco, Texas	Boring no.	MW1	6
Proj	ect no.	49	J.4.J		8 of	_
	_	_		oring depth:	269	
Drilli	ng meti	hods:		lell depth;	77	
Grou	Indwater		ation: 562.54 (msl) Date: 7/16/90 Surface elevation:	627.93		_
Depth (ft.)	USC CLASSIF	CONSTRUCTION SYMBOLS	STRATUM DESCRIPTION		Recovery	% Passing No. 200 Sieve
	SH		SHALE, dark gray SHALE, dark gray, siltstone layers at 250.0' and 251.0'			
- 250- 	SH	Ħ	SHALE, dork gray ((Core not recovered from 256.0' to 259.0'))			
- 255- 	SH	æ	SHALE, dark gray, siltstone layers at 260.0' and 264.0' limestone layers at 264.0' and 268.0', EOB at 269.0'			
- 260-				-		
- 265 - - 270 -		≟ ∎		-		
				-		
-275- 				-		
- 280-				-		
-IXJ OINE CEL	Log	of Bo	pring No.MW16E = CHEMICAL ANALYSISE = SIEVE ANALYSISE = PERMEABILITY SAMPLE	PLATE		

Exide A	PAR	Page	922	of 2984
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			ENG no.		RING, INC. Project Remedial Investigation GNB, Incorporated -	Frisco, Texas	MV	V165	
	Sam	pling	g me	ethoo	4.5" Split Spoon Completion date: 6/6	/90 Boring depth:		19.0	
	Drilli	ing I	meth	ods:	8.0" Hollow Stem Auger Drill rig: CME-55	Well depth:		17.0	
	Grou		ater		ion: 620.31 (msl) Date: 7/16/90 Si	urface elevation; 627.	7.51 (msl)		
	Depth (ft.)	USC C	USC SYMBOLS		STRATUM DESCRI		Recovery	% Passing No. 200 Sieve	
		CH	<u>Universitation</u>		CLAY, dark brown, blocky, highly plastic, clo				
	- 5 -				CLAY, silty, dark brown, blocky, highly plast calcareous				
	- 10 -	CH		*	CLAY, dark brown, blocky, calcareous pebbl and 12.5'	es at 11.5'			
	- 15 -	GC CH		ĦĦ	GRAVEL, clayey, sandy, well rounded, calcar SHALEY CLAY	eous			
		CL	募						
	- 20 -	SI		H	<u>SHALE, dark gray, weathered, fissile</u>				
	 - 25 - 								
	 - 30 - 								
	- 35 -								
1=1:32 UNIOS PS-1=1		Log	g of	Bo	ing No. MW16S	IS			

		ENC		DERING, INC.ProjectRemedialInvestigationBoring no.95.4.5GNB, Incorporated - Frisco, TexasSheet	MW 1 of	
San	nplir	ig m	netho	ods: 4.5" Split Spoon Completion date: 6/7/90 Boring depth:	_	9.0
Drill	ling	met	hods	B.O" Hollow Stem Auger Drill rig: CME-55 Well depth:	1	7.0
Gro	und			evation: 620.83 (msl) Date: 7/16/90 Surface elevation: 628.58	8 (m	nsl)
Depth (ft.)	USC CLASSIFICATION	SYMB	CONSTRUCTION SYMBOLS	STRATUM DESCRIPTION	Recovery	% Passing No. 200 Sieve
	CH CH			CLAY, silty, dark brown, blocky CLAY, dark brown to brown, sand size calcareous pebbles		
• •	СН			CLAY, very soft, blocky, moist		
- 10 - 			H H	CLAY, brown mottled gray, with zones of calcareous peb— bles varying in grain size from sand to gravel		
 - 15 - 	-CH			SHALEY CLAY, dark gray, light yellow staining on parting surfaces		
	SH	7		SHALE, dark gray		
- 20 -						
				-		
						_
 - 30 - 						
 - 35 -						
	Lo	g o	f B	oring No. MW17 H = CHEMICAL ANALYSIS H = SIEVE ANALYSIS H = PERMEABILITY SAMPLE PLATE		

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	KE El			TRING, INC.		ject Re GN	media	l Invest	igation ed — F	risco, T	Bori exas	ng no.		
				s: 4.5" Spl	it Spoor	1	Comple	etion date	6/12	/90	Boring		: 1 o 1	8.0
	ling m	-					_				Well de	_	_	5.5
Gro	undwa			ation:	626.17	(msl)	Dote:	7/16/9	0 Sur	face eleva	ition:	631.8	4 (n	nsi)
Depth (ft.)	USC CLASSIFICATION USC SYMBOLS	CONSTRUCTION SYMBOLS	Samples		STI	TAF	UM	DES	SCRIF	PTIO	N		Recovery	% Passing.
				CLAY, dark GRAVEL, c						oebbles				
 - 10 - 			8	CLAY, gray bedded wit SHALEY CL light yellow	h light <u>;</u> .AY, gra	yellow y mott	slit lo	minae ange-t	prown, s					
- 15 - - 15 - - 20 -	- SH			SHALE, doi	rk gray,	wet	12							
												-		
- 30 -														
	Log	of	Bo	ring No. 💧	/W18		∃ = C ∃ = S 3 = P	HEMICA IEVE AN ERMEAE	L ANAL NALYSIS BILITY S	YSIS AMPLE	PLA	TE_		

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Jec Projec Date S Date C Drilling Driller Geolo Boring Bore I	th Name: _Museum of the American Railroad	Project Drawn Appro 2" 0.010" :_10' :_12' WATER I 10N	Deperth	RLS	er:	Groundwater Deptity	(Ludd) BORING AND SAMPLING NOTES
	SILTY CLAY FILL, Dark Grayish Brown, Yellowish Brown & Pale Yellowish Brown with <0.25" Rounded/Subrounded Gravel, Occasional Weathered Limestone Fragments, Moist, No Odor SILTY CLAY, Dark Grayish Brown & Light Olive Brown with Occasional <0.5" Subangular Gravel, Very Moist @ 7 ft bgs to Wet, No Odor, WEATHERED SHALE, Dark Gray with Dark Reddish Brown Lamnations, Blocky, Moist, No Odor			-		<u>₹</u>	3,9 4,7 4,7 4,7 3.9 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1
	Bottom of Boring @ 22 ft bgs NOTE: This log is not to be used outside of the original report.		20 - - 21-22 				Til Til Southwest

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Client: <u>City of Frisco</u> Project Name: <u>Museum of the American Railroad</u> 'oject Location: <u>Frisco. TX</u> roject Manager: <u>L. Scaggs</u> DRILLING & SAMPLING INFORMATION Date Started: <u>9/29/2011</u> Date Completed: <u>9/30/2011</u> Drilling Company: <u>Riomar</u> Driller: <u>D. Stark</u> Geologist: <u>J. Minter</u> Well L Boring Method: <u>GP/HAS/HA</u> Screet	Project Project Drawn Approv	ring Well #: <u>01</u> By: <u>RE</u> /ed By:_	Num! [] 23]]H	oer: _ T	Tra	ck M'	
Bore Hole Dia: 8.25" Screet Casing BORING METHOD HSA - HOLLOW STEM AUGERS CFA - CONTINUOUS FLIGHT AUGERS CFA - CONTINUOUS FLIGHT AUGERS SS - DRIVEN SPLIT SPOON			Sample Interval	% Recovery	Groundwater Depth	(mdd) sguings (Ily/ClF	BORING AND SAMPLING NOTES
CLAY FILL, Dark Grayish Brown & Yellowish F with < 0.25" Rounded Gravel & Weathered	No @ 6 - Odor	- 2-3 - 4-3 - 4-3 - 4-3 - 10 - 9-10 - 9-10 - 9-10 - 10 - 10-2 - 10-2	5		Ā	3.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9	-Hand Auger from 0 - 3 ft bgs
NOTE: This log is not to be used outside of the original r	report,	8					Southwer:

Exide APAR Page 927 of 2984

Date 2 Date 2 Date 0 Drillin Driller Geolo Boring Bore 1	:City of Frisco Ct Name: Museum of the American Railroad ct Location: Frisco. TX Ct Manager: L. Scaggs DRILLING & SAMPLING INFORMATION Started:9/29/2011 Completed:9/29/2011 Completed:9/29/2011 Completed:9/29/2011 Completed:9/30/2011 g Company: Riomar *D. Stark ogist:N initer g Method:GP/HSA Hole Dia:8.25" BORING METHOD A- HOLLOW STEM AUGERS A- CONTINUOUS FLIGHT AUGERS	Projec Drawn Appro 2" 0.010" 10' 6' WATER 10N	MC	Vell N 0111 RDH y:	Umk 231	Der: T	IN(ick MW	
and while	SOIL CLASSIFICATION	ratum	Depth Scale	Sample No.	Sample Interval	% Recovery	roundw	SI CII-J/CI	
	SILTY CLAY FILL, Grayish Brown Slightly Moist, No Odor SILTY CLAY, Dark Grayish Brown, Slightly Moist, No Odor CALCAREOUS CLAY, Pale Yellow & White with Calcareous Nodules & Precipitate, Becoming Blocky with Depth, Slightly Moist, No Odor WEATHERED SHALE, Dark Gray, Slightly Moist, No Odor SHALE, Dark Gray, Slightly Moist, No Odor Bottom of Boring @ 16 ft bgs			56 74 9-10				0.7 2.3 3.1 3.1 1.5 1.5 1.5 0 0 0 0 0 0 0 0 0 0 0 0 0	
	NOTE: This log is not to be used outside of the original report.	-				-	_	= (Southwest

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Client: <u>City of Frisco</u>										
Project Name: <u>Museum of the American Railroad</u>	S	OIL BOF	RING LOG							
Project Location: Frisco, TX										
Project Manager: L. Scaggs										
DRILLING & SAMPLING INFORMATION	Soil Boring Nur	nber: <u>Track</u>	B-8							
	Approved By: RLS									
Driller: Billy Ragon			1							
Geologist: T. Zoch/R. Simpson Well Diam; Boring Method: GP Screen Size:										
Borning Method: GP Screen Length:Screen Length:										
Casing Length:										
BORING METHOD SAMPLER TYPE	DWATER DEPTH	spth	(udd) SMIPLING NOTES							
SOIL CLASSIFICATION SURFACE ELEVATION:	Stratum Depth Scalc Sample	Sample Interval % Recovery Groundwaler Do	1 CITACITE							
FILL, Clay with Silt, Grayish Brown with Concretions,										
Dry, No Odor	0-1		1.6							
			0.0							
			4.6							
			0.7							
	5		0.0							
CLAY, With Sand and Silt, Light Gray, Limestone Gravel @ 5 - 8 ft bgs, Slightly Moist, No Odor	1 50	3	0,0							
Graver & 5 - 6 it bgs, Signify Iviolat, No Odor	1 -		1.5							
			0.4							
			0.5							
			0,0							
CLAY, With Silt, Yellowish Brown & Gray with	10 -		1,9							
Mottling, Sand @ 13 ft bgs, Moist, No Odor			1.9							
			0.2							
			0.0							
			1.6							
WEATHERED SHALE, Gray, Moist, No Odor										
	15		0.6							
Bottom of Boring @ 15 ft bgs	_									
	-									
NOTE: This log is not to be used outside of the o	riginal report		Couthwest							

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Client: City of Frisco. Project Name: Stewart Creek WWTP * nject Location: Erisco. TX ect Manager: Liz Scaggs DRILLING & SAMPLING INFORMATION Date Started: 10/16/2008 Date Completed: 10/16/2008 Drilling Company: WEST Driller: J. Spaniel Geologist: J. Minter Boring Method: HSA Hole Dia: 7.25" Boring Method: Screen Size: Boring Method: Screen Length: Casing Length: Casing Length: St FIVE FOOT CORE BARREL GROUND Yat COMPLET St PRESSED SHELBY TUBE Yat WELL STA Yat WELL STA	Projec Drawn Aprro 010" 15' 5' WATER I ION	Dring Well of #:_0105 D By:_RDF ved By:_L ved By:_L DEPTH	Numl 035		M	W- J	
SOIL CLASSIFICATION SURFACE ELEVATION:	Stratum Depth	Depth Scale Sample		% Recovery	Groundw	RID/OF	
Gravel Surface Cover CLAYEY SAND AND SAND, Moderate Yellowish and Reddish Brown, Fine Grained, Moist, No Odor GRAVELY CLAY, Moderate Brownish Gray, Very Moist to Wet @ 11', No Odor SHALEY CLAY, Dark Brownish Gray. Very Moist to Wet, Slight Hydrocarbon Odor @ 14-15' SHALE, Dark Gray, Wet @ 16-18', Slightly Moist and More Competent @ 18-20', No Odor Bottom of Boring @ 20'				100% 100% 100% 100%		0 0 0 0 0 0 0 0 0 0 0 0 0 0	JASON T. MINTER GEOLOGY 10576 10576 10576 10576

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Date Starter Date Comp Drilling Com Driller: Geologist: _ Boring Metl Bore Hole I BORIN	ne:_Stewart Creek WWTP ation: _Frisco, TX hager: Liz Scaggs DRILLING & SAMPLING INFORMATION d:10/16/2008 bleted: _10/16/2008 npany: _WEST Spaniel I. Minter Well Diam:_2" hod: _HSA Screen Size:_0	Projec Drawr Aprrov .010" 	oring Well I of #: <u>0105(</u> h By: <u>RDH</u> ved By: <u>1</u>	Numt)35	oer:_		V-2	BORING AND
GP - GEOF AR - AIR R	TINUOUS FLIGHT AUGERS SS - DRIVEN SPLIT SPOON PROBE ST - PRESSED SHELBY TUBE ▼ AT WELL ST/		Depth Scale Sample No.	Sample Interval	% Recovery	Groundwater Depth	FID/PID Readings (ppm)	SAMPLING NOTES
SAI Gra Moi	L, Sandy Clay and Gravel, Moist, No Odor NDY CLAY, Moderate Grayish Brown, Increasing avel Content With Depth (Up to 1" Rounded), ist, Wet @ 11' ALE, Dark Gray, Slightly Moist, Slight drocarbon Odor Bottom of Boring @ 22.5'				100% 100% 100% 100% 100% 100%	⊻	0 0 0 0 0 0 0 0 0 0 0 0 0 0	JASON T. MINTER GEOLOGY 10576 CENSED CONTENTION
) Domenio de la		0001.40		uentes		10075		Southwest

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CFA - CONTINUOUS FLIGHT AUGERS SS - DRIVEN SPLIT SPOON	Monitoring Well N Project #:_01050 Drawn By:_RDH Aprroved By:_LS 2"	Numb 135	oer:_	M	₩-3	
SOIL CLASSIFICATION SURFACE ELEVATION:	Depth Depth Scale No.	Sample	% Recover	Groundv	l dig/dig	
FILL, Sandy Clay and Gravel, Moist, No Odor SANDY CLAY, Dark Grayish Brown, Slightly Moist, No Odor SANDY CLAY AND GRAVEL, Moderate Grayish Brown, Very Moist, Up to 1" Subangular Gravel, No Odor SHALE, Dark Gray, Slightly Moist, Slight Hydrocarbon Odor @ 19-20' Bottom of Boring @ 22.5'			100% 100% 100% 100% 100%	₹	0 0 0 0 0 0 0 0 0 0 0 0 0 0	JASON T. MINTER GEOLOGY 10576 CENSED SCIT

SGEOSCIENCE

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Project Siect Jete S Date S Date C Drilling Driller: Geolog Boring Bore H E HSA CFA GP-	_City of Frisco Name: _Stewart Creek WWTP Location:Frisco, TX Manager: Liz Scaggs DRILLING & SAMPLING INFORMATION tarted:10/16/2008 company: WEST	Projec Drawn Aprro 010" 17.5' 5' WATER	oring Well N ct #:_01050 n By:_RDH_ ved By:_15	iumt 35	per:	MV	V-4	BORING AND SAMPLING NOTES
Mojutue Well Defaul	SOIL CLASSIFICATION SURFACE ELEVATION:	Stratum Dopth	Depth Scale Sample No.	Sample I	% Recovery	Groundw	3 CIId/CIId	
	SANDY CLAY, Moderate Grayish Brown, Increasing Gravel Content With Depth, Moist to Wet @ 7', No Odor SHALE, Dark Gray, Slightly Moist, Slight Hydrocarbon Odor @ 16-17' Bottom of Boring @ 22.5'				100% 100% 100% 100% 100%	∑ ₽	0 0.7 3.2 0.9 0.7 3.2 0.9 0.7 3.2 0.9 0.7 3.2 0.9 0.7 3.2	JASON T. MINTER GEOLOGY 10576 10576
		10-10-0 ⁻⁷ 7-1		-2-1	0.4	0.78.0	(Southwest

JGEOSCIENCE

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Date Completed: 10/17/2008 Drilling Company: WEST Driller: J. Spaniel Geologist: J. Minter W Boring Method: HSA-HOLLOW STEM AUGERS SAMPLER TYPE CFA-CONTINUOUS FLIGHT AUGERS CB - FIVE FOOT CORE BARREL CFA-CONTINUOUS FLIGHT AUGERS SS - DRIVEN SPLIT SPOON	Projec Drawn Aprro /ell Diam:_2" creen Size:_0.010"	oring Well N of #: <u>01050</u> n By: <u>RDH</u> ved By: LS	lumbe 35	r: <u>v</u>	(W-5	ELL LOG
SOIL CLASSIFICATION SURFACE ELEVATION:	Stratum	Depth Scale Sample No	Sample Ir	% Keevery Groundwa	R (119)(119	
FILL, Clay with up to 1" Gravel, Moist, No C CLAY, Moderate Brown with Trace Gravel Moist, No Odor SHALEY CLAY, Moderate Grayish Brown, Odor WEATHERED SHALE, Moderate Yellowish Brown and Reddish Brown, Moist, No Odor SHALE, Dark Gray, Slightly Moist, Slight Hydrocarbon Odor @ 17-18' Bottom of Boring @ 22.5'	<0.25", Moist, No			100% 100% 100% 100%	0 0 <td< td=""><td>JASON T. MINTER GEOLOGY 10576 JOYAL T GEOSCIE</td></td<>	JASON T. MINTER GEOLOGY 10576 JOYAL T GEOSCIE
				1.000	(Southwest

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Client: <u>City of Frisco</u>								
Project Name: Stewart Creek WWTP			MONI	то	R	N	G W	ELL LOG
ect Location: Frisco, TX								
act Manager: Liz Scaggs								
DRILLING & SAMPLING INFORMATION			100					
Date Started: 10/17/2008								
Date Completed: 10/17/2008								
Drilling Company: <u>WEST</u>		Aprrov	ea By:		_			
Driller:						-	- T	
Geologist: J. Minter Boring Method: _HSA				11				
Bore Hole Dia: 7,25"				1				
	Casing Length:_5							
BORING METHOD SAMPLER TYPE HSA - HOLLOW STEM ALGERS CB - FIVE FOOT CORE BARRE CFA - CONTINUOUS FLIGHT AUGERS SS - DRIVEN SPLIT SPOON GP - GEOPROBE ST - PRESSED SHELBY TUBE AR - AIR ROTARY ST - PRESSED SHELBY TUBE	GROUNDWA	N		merval		Groundwater Depth	(mqq) sgalage (ppm)	BORING AND SAMPLING NOTES
SOIL CLASSIFICATION		5 ₅	he ble	ple II	% Recovery	wpur	910 F	
SURFACE ELEVATION:		Stratur Depth	Depth Scale Sample No.	Sample	% Rc	Grou	RUDA	
		77		_				
SHALEY CLAY and Weathered Shale, Da Brown and Dark Reddish Brown, Moist, 4			-				0	
BIOWN and Dark Recidish BIOWH, Moist, I			-		8001		0	
			-		-		0	
							0	
	18		° _				0.8	
	18		-				0.9	
SHALE, Dark Gray, Slightly Moist, No Od			1		40%			
SHALE, Dark Gray, Slightly Moist, No Od	or		-				- 546	
			10 -		_		. 38	
			÷	-			2.5	
			-		100		1.4	
	I F		-		100%		2,0	
			. 1				2.0	
	6		15		*		0.7	
		<u></u>	_		100%		1.6	
		a.e.al	-				1.1	
Bottom of Boring @ 17.5			-					
4 11			20				_	
4 11			-				_	
4 []			-					
			-					
1			-					TEOFTEN
1			25					AL ANT
]			_					A 27242
			-					JASON T. MINTER
4 11	· · · · ·		-					PR
4 11			30 —	1				GEOLOGY
-			-				\vdash	Ser Groupe P.C.
1 11			1		1			ONAL W DEOS
1 11			-					कर्णमाक्षे कार्याकरण्ड
1								
							-	Toutlar word
			· · · ·			50.093	4.R.	Couthwest

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SOIL CLASSIFICATION understand SURFACE ELEVATION: understand FILL:, Moderate to Dark Gravish Brown With Up to 2' WEATHERED SHALE, Moderate Yellowish Brown and Dark Gray with File Grantadom, Moist, NO Odor understand SHALE:, Dark Gravish Brown, Slightly Moist, NO Odor understand Bottom of Boring @ 15' understand Bottom of Boring @ 15' understand Understand understand Understand <td< th=""><th>Driller: J. Spaniel Geologist: J. Minter Boring Method: HSA Bore Hole Dia: 7.25"</th><th>Drawn By: <u>RDH</u> Aprroved By: <u>LS</u> ell Diam: <u>2"</u> reen Size: <u>0.010"</u> reen Length: <u>10'</u> sing Length: <u>5'</u> GROUNDWATER DEPTH AT WELL STABILIZATION</th></td<>	Driller: J. Spaniel Geologist: J. Minter Boring Method: HSA Bore Hole Dia: 7.25"	Drawn By: <u>RDH</u> Aprroved By: <u>LS</u> ell Diam: <u>2"</u> reen Size: <u>0.010"</u> reen Length: <u>10'</u> sing Length: <u>5'</u> GROUNDWATER DEPTH AT WELL STABILIZATION
Fills, Moderate to Dark Grayish Brown With Up to 2' Rock, Moist, No Odor Rock, Moist, No Odor WEATHERED SHALE, Moderate Yellowish Brown and Dark Gray with Fine Grained Sand Lamination, Moist, No Odor SHALE, Dark Grayish Brown, Slightly Moist, No Odor Bottom of Boring @ 15' Bottom of Boring @ 15' Bottom of Boring @ 15'		Stratum Depth Sample No. Froundwerty Groundwerty Froundwerty
Southwest	Rock, Moist, No Odor WEATHERED SHALE, Moderate Yellowish Brown Gray with Fine Grained Sand Lamination, Moist, N SHALE, Dark Grayish Brown, Slightly Mois Odor	nd Dark Odor NO NO NO NO NO NO NO NO NO NO

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SOLL CLASSIFICATION SURFACE ELEVATION SURFACE ELEVATION Underste Grayish Brown and Dark Yellowish Brown, Moist, No Odor WEATHERED SHALE and Shaley Clay, Moderate to Dark Brownish Gray and Dark Yellowish Brown with Intermitten Sand, Moist, No Odor SHALE, Dark Grayish Brown, Slightly Moist, Slight Hydrocarbon Odor Bottom of Boring @20' Bottom of Boring Bottom of Bo	BORING METHOD Category Category HSA - HOLLOW STEM AUGERS CB - FIVE FOOT CORE BARREL CB - FIVE FOOT CORE BARREL CFA - CONTINUOUS FLIGHT AUGERS CS - DRIVEN SPLIT SPOON SS - DRIVEN SPLIT SPOON GP - GEOPROBE AR - AIR ROTARY ST - PRESSED SHELBY TUBE	ell Diam:_2"	Project Drawr Aprrov 10" 15' 5' XTER I	oring W t #:_01 B By: R ved By ved By DEPTH	rell Nun 05035 DH : LS	hber:	M`	N-8	ELL LOG BORING AND SAMPLING NOTES
Yellowish Brown, Moist, No Odor 0 WEATHERED SHALE and Shaley Clay, Moderate to Dark Brownish Gray and Dark Yellowish Brown with Intermittent Sand, Moist, No Odor 0 SHALE, Dark Grayish Brown, Slightly Moist, Slight 10 Hydrocarbon Odor 20 Bottom of Boring @20' 20 20 20 <td>SOIL CLASSIFICATION SURFACE ELEVATION:</td> <td></td> <td>Stratum Depth</td> <td>Depth Scale</td> <td>Sample No.</td> <td>% Recove</td> <td>Ground</td> <td>FID/PID</td> <td></td>	SOIL CLASSIFICATION SURFACE ELEVATION:		Stratum Depth	Depth Scale	Sample No.	% Recove	Ground	FID/PID	
	Yellowish Brown, Moist, No Odor WEATHERED SHALE and Shaley Clay, Moo Dark Brownish Gray and Dark Yellowish Br Intermittent Sand, Moist, No Odor SHALE, Dark Grayish Brown, Slightly Moist Hydrocarbon Odor	derate to rown with t, Slight		- - - - - - - - - - - - - - - - - - -		100%	<u>₹</u>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GEOLOGY

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Project Project Project Constant Date S Date C Drilling Driller: Geolog Boring Bore F	City of Etisco At Name: _Stewart Creek WWTP at Name: _Stewart Creek WWTP at Location:Erisco, TX at Manager: Liz Scaggs DRILLING & SAMPLING INFORMATION Started:10/17/2008 Completed: _10/17/2008 g Company: WEST :_J. Spaniel gist: J. Minter g Method: HSA Hole Dia: 7,25" Screen Size: 0 Hole Obia: 7,25" CBORING METHOD A-HOLOW STEM AUGERS A-CONTINUOUS FLIGHT AUGERS A-CONTINUOS FLIGHT AUGERS - CREPROBE - AIR ROTARY	Projec Drawr Aprro' .010' 	Depring Well N t #: <u>01050</u> h By: <u>RDH</u> ved By: <u>LS</u> DEPTH ON	Iuterval	oer:_	<u></u> MW	Readings (ppm)	
Dentilor Well	SOIL CLASSIFICATION SURFACE ELEVATION:	Stratum Depth	Depth Scale Sample No.	Sample I	% Recovery	Groundv	FID/PID F	
	CLAY FILL, Dark Grayish Brown with 10% Subangular Gravel (≤ 0.25"), Moist, Stiff, No Odor SHALEY CLAY, Moderate Grayish Brown with Gravel Grading to Moderate Brownish Gray, Wet @ 7', Slight Hydrocarbon Odor WEATHERED SHALE, Moderate Yellowish Brown and Moderate Reddish Brown, Very Moist, No Odor SHALE, Dark Gray, Moist, No Odor Bottom of Boring @ 22.5'				100% 100% 100% 100% 100%	⊻	13.2 0 <	TATE OF TEATS JUNE OF TEATS JUNE JUNE AND
				- da - 1	5.JU	HEALING		Southwest

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Project No 11-10 Location	o, 6 99	6	Boring No. B 1-25	Water Ob	Exide Technologies Frisco, Texas servations Groundwater seepage		hear	ad at a	dent				15.0	neer	ing-
Completic Depth	on 25.	0'	Completion Date 8-23-11		drilling.		Daci Vi	u al a	uchr	ы ОТ 8	abou	10.	wnne	•	
		Sur	face Elevation	Туре	CFA			+r							
Depth, Ft. Symbol	Samples				scription	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Uncomined Compression
ECE			FILL: FAT gray, with roots and t	CLAY (CH limestone fr rash (pieces) - very hard, dark brown and agments, calcareous nodules, of glass, nails, plastic)		4.5+						14		
CF-CF							4.5+		87	65	22	43	20	106	243
5		3	SANDY CL yellowish	very hard to hard, light calcareous nodules		4.5+						16			
	5					-	2.5		64	49	17	32	17		
			- layer of cal	crial		3.75						21			
-10	- layer of cale						4.5+								
	- dark brown), with sand :	seams		4.51						17		
-15-			FAT CLAY	(CH) - dark	дгау										
					$ar{\Sigma}$		NR					-			
20-			SHALEV CI	.AY - gray											
1															
25	Boring Terminated				řect							_			

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	1-16	996		Boring No. B 1-35	Exide Technologies Frisco, Texas						Ron	e E	ngir 「麗」	eer	ing-
Locati Comp Depth	letior	19.0 '		Completion Date 8-23-11	Water Observations Groundwater seepage w drilling.	was o	bservo	ed at a	dept	h of a	apon	t 18' '	while)	
		8	Surfa	ace Elevation	Type CFA										
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pof	Unconfined Compression
				FAT CLAY limestone f	(CH) - dark brown and gray, with ragments, possible fill								9		
5-				FAT CLAY	(CH) - very hard to hard, light yellowish gray, with calcareous nodules	-	4.5+						8		
				brown and	gray, with calcareous nodules										
-10-							3,25		99	70	25	45	28		
-															ŝ
				SHALEY CI	LAY (CH) - very hard, gray		4.5+						23		
					Ϋ́		4.5+						20		
							4.5+		99	67	23	44	19	109	162
25-				CLAYEY SA	ND (SC) - gray		3.5						17		
0				G NO. B 1	L-35 Continued Next							_			. .4a

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	ct No 1-16		6	Boring No. B 1-35	Exide Technologie Frisco, Texas	es					kon	e E	ngir	neer	ing-
Locat		-			Water Observations										-
Com	letic	n		Completion	Groundwater seep drilling.	bage was o	bserv	ed at a	dept	h of s	about	t 18' '	while	9	
Dept			.0'	Date 8-23-11											
			Sur	face Elevation	Туре СГА						[1	
Depth, Ft.	Symbol	Samples		Street			meter . TSF	SPT - Blows/Foot TCP - Blows/Inch	No. 200				8	Weight	ed slon
ă 	S	ŝ			um Description	REC %	Penetrometer Reading, TSF	SPT - Blo TCP - Blo	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight par	Unconfined Compression
				SHALEY C	LAY (CH) - very hard, gray		4.5+		99	56	20	36	16		
-35				SHALE - grz	у										
-								100/3.5"							
		•		Boring Termi	nated at 39 Feet			100/3.5							
											1				
_															
							- 6					- 1			
				1											
	_	_		IG NO. B1											

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1		996	Boring No. B 2-25	Exide Technologies Frisco, Texas						KON	e E		ieer	ing-
Loca Com Dept	pletio	25.0'	Completion Date 8-23-11	Water Observations Groundwater seepage drilling.	was o	bserv	ed at a	dept	b of s	ibou	t 11' -	while	•	
		Sui	face Elevation	Type CFA										
Depth, Ft.	Symbol	Samples		um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plaetic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	1		FAT CLAY with calcar	(CH) - dark brown to brown and gray, cous nodules		4.5+						19		
	0				-	4.5+		-				18		
- 5 -			SANDY LE. and gray, c	AN CLAY (CL) - light yellowish brown alcareous		4.5+		65	38	14	24	16		*)
-					-	4.5						15	_	
-						3.5						29		
-10			- with limest	one layers 10'-12'	z									
-			SHALEY CI	LAY (CH) - very hard, dark gray	1									
	0					4.5+						22		
, i						4.5+		99	62	22	- 10	10	100	
-20-			- slickensided	1		TUT			63	23	40	19	109	171
L. L.			ž											
-			- slickensided			4.5+						20	107	92
			Boring Termin	naled at 25 Feet										
			- slickensided Boring Termin											

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Proje		5996	i	Boring No. B 2-35	Exide Technologies Frisco, Texas						ton	eci	9	eeri	mβ
Locat	_		1212		Water Observations										
-	1	1			Groundwater seepage drilling.	was o	bserv	ed at a	dept	h of a	bout	25'	while	;	
Comp		ո 3 5.0		Completion Date 8-25-11	Urining.										
111-1		-	_	ace Elevation	Туре	1	1		1			r	<u> </u>		
					CFA			7 5		5					
Depth, Ft.	Symbol	Samples			um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
-	0			FAT CLAY calcareous possible fil	(CH) - hard, dark brown, with nodules and limestone fragments, l								16		
-	0						2.5		89	60	22	38	26	97	48
- 5	0			- dark brown	and gray	-	2.5/4.9						29		
: .	0			- dark gray a	nd olive, with calcareous nodules	-	2.25		-		_	··	28		
-	0						2.25		89	69	24	45	27		
-10-	2											n			
					(CH) - dark gray size calcareous nodules 14'-15'		1.75		57	54	18	36	19		
-				SHALEY CI and yellowi	AY (CH) - hard to very hard, light gray ish brown		20								
20-				- slickensided	9		3.0						30	91	47:
			41	- dark gray, s	lickensided ∑		4.5+		99	62	22	40	21	107	153
							4.5+						15		
90년 0G	OF		RIN	IG NO. B 2	2-35 Continued Next	Page							Pla		. 7a

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1

Completion Completion Depth 35.0' Surface Elevation Type CFA 855	Project No. 11-16996	Boring No. B 2-35	Exide Technologies Frisco, Texas						Ron	e Ei	ngin Irgi	eer	ing
Ling Surface Elevation Type CEA Surface Elevation Type Surface Elevation Type Surface Elevation Surface Elevation	Completion Depth 35.0	Completion Date 8-25-11	Water Observations Groundwater seepag drilling.	ge was ol	bserv	ed at a	depti	h of a	bou	25'	while		
			Туре СГГА			**							
-35 SHALE-gray 100/3.0° 100/3.0° Boring Terminated at 38 Feet 100/3.0° 100/3.0°	Depth, Ft. Symbol Samples	Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foc TCP - Blows/Inc	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity index	Moisture Content, %	Dry Unit Weight pcf	Unconfined Compression psf
-35 SHALE -gray Boring Terminated at 38 Feet		- slickenside	d		4.5+						16	118	23710
■ 100/3.0 ^o													
Boring Terminated at 38 Peet		SHALE -gra	у										
	=	Darlas Terr				100/3.0"							
LOG OF BORING NO. B 2-35 Plate A.7b													
	LOG OF BORI	NG NO. \mathbf{B}	2-35		I		1				Pla	te 4	7h

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Projec		5996	Boring No. B 3-25	Exide Technologies Frisco, Texas						Ron	e E	ngir 原	neer	ing –
Locat Comp Depth	oletio	n 21.0'	Completion Date 8-26-11	Water Observations Groundwater seepage appeared dry at comp	was n letion.	ot ob	served	while	drill	ling,	and t	the b	oreho	le
· ·	Г		arface Elevation	Туре				1	1	-		<u> </u>		
Depth, Ft.		Samples		um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight	Unconfined Compression
	CI CI		FILL: CLA fragments a paper	Y - dark grayish brown, limestone and roots, with plastic, slag, gravel and				54	58	20	38	12		
- 5	61.61.6											26		
-												43		
-10-	CINER CON		FILL: FAT (brown	CLAY - firm, dark gray and yellowish		1.25		73	60	20	40	32		
	CI- CI- C		FILL: FAT C nodules and	CLAY - very soft, gray, with calcarcous wood, wet										
-15	6.6.6		- calcareous n	odules 14' to 14.5'		0.25					-	24		
			SHALEY CL stains	AY (CH) - gray, with iron oxides	-	3.0		99	80	28	52	27		
20-		7					46/12"			20	52	21		
			Boring Termin	ated at 21 Feet										
OG (DF I	BORN	NG NO. B 3	-25								 Pl	ate	A.9

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Loca	1-2	No. 1 69 9	96	Boring No. B 3-35	Exide Technologies Frisco, Texas Water Observations						×		15	ieer	ing
Com	plei h	ion 35		Completion Date 8-29-11	Groundwater seep: drilling.	age was (bserv	ed at a	dept	h of s	about	t 18'	while	;	
			Su	rface Elevation	Type HSA/CFA			55							
Depth, Ft.	Sumhol	Samples			tum Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molature Content, %	Dry Unit Weight pcf	Unconfined
	19:01			FILL: CLA	Y - brown, with gravel, wood, and slag				69	50	19	31	8		
 	19:49.49:49:46			FILL: SLA	G - gray, slag, rock fragments, gravel si	26									
				CLAY (CH rock fragn) - dark brown, with slag, gravel and nents, possible fill			N=50/5.0	2				23		
 - 15				FAT CLAY and yellow	(CH) - soft to firm, dark grayish brown vish brown, with weathered limestone	1	1.0		96	65	24	41	36		-
 						₽	0.5			68	23	45	35		
 				- dark grayis weathered	h brown and yellowish brown, with limestone		1.25				~		36		
 25 				SHALEY C	LAY (CH) - gray			N=64		55	18	37	19		

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	1-1		6	Boring No. B 3-35	Exide Technologies Frisco, Texas	5					Ron	e E	ngir	neer	ing –
Loca	pletic	on		Completion	Water Observations Groundwater seeps drilling.	age was o	bserv	ed at a	dept	h of :	ароп	t 18'	while	9	-
Dept		35,		Date 8-29-11 ace Elevation	Type HSA/CFA	ĸ				1		Γ		T	
Depth, Ft.	Symbol	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Límit, %	Placto Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight	Unconfined Compression psf
		X		Boring Term	nated at 35 Feet		7	i≕94/11.	5				18		÷
													1)		
									-						
														6	
LOG	OF	BO	RIN	G NO. B 3	-35							P	late	e A.	10b

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Projec 11		5 99 6		Boring No. B 4-35	Exide Technologies Frisco, Texas						Ron	e Ei	ngir Ieil	ieer	ing-
Locat Comp Depth	letio	n 3 8,0		Completion Date 8-25-11	Water Observations Groundwater scepage drilling.	e was o	bserve	ed at a	dept	h of a	abou	t 13' ·	while	•	
				e Elevation	Туре							1	r	r	
Depth, Ft.	Symbol	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT • Blowa/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pof	Unconfined Compression
	5			FILL: CLA	YEY SAND - loose, brown, with fragments and calcarcous nodules						1		10		
	CF CF			- light gray a	nd yellowish brown		0.5		34	58	20	38	19		
- 5	6. 61			FILL: SANI	DY FAT CLAY - firm, dark brown		2.25						35		
-	Gra ff			4			1.25						47		-
	and har						1.25		69	62	23	39	36		
1 1 1 1	Grand			FAT CLAY	(CH) - hard, brown, with sand	<u>v</u>	3.75						20		
-15									*						
20-				- light yellow	ish brown and light gray		2.25						26		
	2		ä	SHALEY CI	AY (CH) - dark gray, slickensided		4.5+		98	56	21	35	17	115	950
25— 							4.5+						18	113	137
30-			m	G NO. B 4	-35 Continued Nex	L Pere									12a

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Project 1 11-	No. 16	996	i	Boring No. B 4-35	Exide Technologie Frisco, Texas	5					Ron	e E	ngir Ilei	eer	ing –
Location Comple Depth	tion	,		Completion	Water Observations Groundwater seep drilling.		bserv	ved at a	dept	h of s	abou	t 13' ·	while		
Depth	3			Date 8-25-11 ice Elevation	Type		T	r							
			-		CFA			t t	2						
Depth, Ft	ionite i	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molature Content, %	Dry Unit Weight pcf	Unconfined Compression Def
							4.5+					-	21		
-35	4			SHALE - dar	k orrası										
	111111			SIDALD - UN	C Bruy			100/4.0"							
-F-	-	-		Boring Termi	nated at 38 Feet			100/4.0							
	FB			GNO. B4	-35									A.:	

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Projec 11 Locati	1-16). 599	6	Boring No. B 5-25	Exide Technologies Frisco, Texas						Ron	e E	ngir ぼ	ieer	ing-
Comp	letio	n 28.	0'	Completion Date 8-26-11	Water Observations Groundwater seepage drilling.	was o	bserv	ed at a	dept	h of s	ibout	1 8' -	while		
				face Elevation	Туре СГА	Т	T		Γ						
Depth, Ft	Symbol	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	L'én én én é			FILL: LIM	ESTONE BASE - light brown								2		
- 5	A CALCENCE A			FILL: FAT limestone (CLAY - very hard, dark brown, with ragments		4.5+			67	23	44	29 6		
- - -10				FAT CLAY with sand s	(CH) - light gray and yellowish brown, earns		2.25			71	24	47	33		
- - - - - - -							4.5+						20		
20-				SHALEY CI ferrous stain	AY (CH) - very hard, gray, with	-	4.5+		97	65	23	42	25		
				- slickensided									20	111	
25				SHALE - dar	k gray			100/4.0"							
	-			Boring Termi	nated at 28 Feet										
	OF	BC	RIN	IG NO. B 5	5-25								Pla	te A	.14

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	-16	996	Boring No. B 6-25	Exide Technologies Frisco, Texas						Ron	e E	ngir Igi	ieer	ing-
Locatio	ctio		Completion	Water Observations Groundwater seepage appeared dry at compl	was n letion.	ot ob:	served	while	dril	ling,	and t	the b	oreho	le
Depth		28.0' Sur	Date 8-26-11 face Elevation	Туре		Т			1	г-				
Depth, Ft.	Symbol	Samples	Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foat TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined Compression
-	1	V	FILL: SANI with limest	DY FAT CLAY - brown to dark brown, one fragments	Ē		100/5.25					12		501
	61) (A)		FILL: CLA concrete fr	Y - light gray, with ground concrete, agments, finc to medium				70	58	21	37	11	- 7	
		V					24/12"		40	23	17	7 11		
The second			FILL: FAT slag, wood	CLAY - dark brown, with plastic, glass, fragments, concrete fragments		2.0			61	30	31	25 35		
Real Prov												34	- 3	
			FAT CLAY	(CH) – hard, dark brown		2.25	12/12"	85	64	22	42	29		
15-			SHALEY CI brown and g	AY (CH) - hard to very hard, light gray, with iron stains		4.5						28		
25			- slickenslded			3.0		66	46	15	31	16	119	20310
	11111111		SHALE - gray	5			100/2.75"					_		
			Boring Termin	nated at 28 Feet							-			
 OG 0)F J	BORIN	IG NO. B 6	6-25								 Pla	te A	.16

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Proje	1-1	5. 59	96	Boring No. B 7-25	Exide Technologies Frisco, Texas						NUI	CL	10	ieer	m8
Locat		-			Water Observations		_				-				
Comp Depth			.0'	Completion Date 8-29-11	Groundwater seepage drilling.	was ol	bserv	ved at a	depti	h of a	bout	13'	while	•	
<u>.</u>	Γ			face Elevation	Type HSA/CFA	T									
Depth, Ft.	Symbol	Samples	•		um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pof	Unconfined Compression
	5			FILL: FAT gravel size	CLAY - dark brown and dark gray, with d slag fragments								п		
		V	1					3/12"							
-	E CE CE		,	FILL: SLA	G - gray, slag fragments, gravel size			7/12"					7		
5 —	6			- slag and pl	astic			//12*	34	50	19	31	14		_
-	61-0									5120	_		34		
	1	V						5/12"							
	F			- slag fragm wood	ents, plastic, piece of shoe, cloth and								27		
10-	Field		ļ												
	61-61-														
-				FAT CLAY	(CH) - firm, dark gray and brown		1.0						37		
20-				- with send s	cams *		2.0		82	66	24	42	18	107	385
25-				SHALEY Cl iron stainin SHALE - dar Boring Termi NG NO. B '	.AY (CH) - very hard, dark gray, with g		4.5+						27		
-	2			ENALE 1	L										
-		T		SHALE - dar	u Eraj.			100/4.75*							
-		-		Boring Termi	nated at 29 Feet						_				
L			000		7-25	<u> </u>		L						1	A.18

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Project No. 11-16996 Location	Boring No. B 8-25	Exide Technologies Frisco, Texas						NON	eE	ingin ©	neer	mg-
Completion Depth 25.0'	Completion Date 8-24-11	Water Observations Groundwater seepage appeared dry at comp	was n letion.	ot obs	erved	while	dril	ling,	and (the be	oreha	le
Su	urface Elevation	Туре СГА						[
Depth, Ft. Symbol Samples		um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unoomined Compression
	FILL: GRA	VEL - railroad ballast, broken rock								6		
	SANDY FAT and olive, v	CLAY (CH) - very hard, dark brown with limestone fragments		4.5+		52	55	18	37	9		
- 5-				4.5+				-		10		
			-	4.5+						12		_
	FAT CLAY (calcareous r	CH) - firm, dark gray and brown, with odules	-	1.5		87	66	22	44	29		
-10												
-13-	- with sand			1.75						33		
20	- with gravel a	n 18'-20'								15		
	SHALEY CL	AY (CH) - very hard, gray		4.5+		90	79	27	52	26		
25	Boring Termin	ated at 25 Feet										
OG OF BORI	NG NO. B 8											.20

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Projec	ct N	o. 6996	5	Boring No. B 9-25	Exide Technologies Frisco, Texas						Ron	eE		ieer	ing-
Locat	_			4	Water Observations										
Comp	oleti	on 25.(ינ	Completion Date 8-24-11	Groundwater seepag appeared dry at com	e was n pletion.	ot obs	erved	while	dril	ling,	and	the b	oreho	le
	Γ			face Elevation	Турс СГА				T		[
Depth, Ft.	Symbol	Samples			tum Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Molsture Content, %	Dry Unit Weight pcf	Unconfined Compression
	19.11			FILL: GRA	VEL - railroad ballast, broken rock								5		
				SANDY FA brown, wit	T CLAY (CH) - firm, dark brown to th gravel		2.0		-				25		
							2.0		61	59	20	39	19		
							3.0		-				29		
-	1			- brown and	gray		1.5						34		
-10-	P														
				sand	(CH) - hard, dark gray and brown, with		2.5		82	63	23	40	25		
				×.											
	Ŧ			FAT CLAY	(CH) - firm, brown, with sand, wet		1.25						30	96	30
-20						-									
							1.25						24	101	27
	1			Boring Term	inated at 25 Feet										
													2		
	OF		RD	NG NO. \mathbf{B}	9-25										1.22

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	I-16	996		Boring No. B10-25	Exide Technologies Frisco, Texas						Ron	eE	ngir 國	ieer	ing
Locati Comp Depth	letio	25.0		Completion Date 8-24-11	Water Observations Groundwater seepage drilling.	was o	bserv	ed at a	depti	h of a	abou	13'	while	•	1
			Surfac	ce Elevation	Туре СГА										
Depth, Ft.	Symbol	Samples		Strat	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined Compression
	1			FILL: GRA	VEL - gray, railroad ballast	1							8		
				SANDY FA brown and	T CLAY (CH) - very hard to firm, dark gray, with limestone fragments		4.5+		64	54	18	36	18		
- 5	0						2.0						24		
							1.5						27		
							0.76								
-							2.75						33		
-10															•
				FAT CLAY brown, wet	(CH) - firm to very soft, dark gray and	2	2.0						35		
-15															
_						-	<0.25	-					42		
-20						\vdash									
-				CLAVEY SA	ND (SC) - light brown, with gravel				23	42	17	25	18		
25				Boring Termi	nated at 25 Feet										
				3 NO. B1	0-25						_			te A	

.....

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Project No. 11-1699	6 Boring No. B11-25	Exide Technologies Frisco, Texas						Ron	e E	igir iei	ieer	ing-
Completion Depth 25	Completion	Water Observations Groundwater seepage drilling.	was o	bservo	ed at a	dept	h of a	abou	t 18'	while	•	
Depth 25.	Date 8-29-11 Surface Elevation	Турс	T				Г	I	—	1		
Depth, Ft. Symbol Samples		um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sieve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moleture Content, %	Dry Unit Weight per	Unconfined Compression
	FILL: - grav and slag	el fragments, concrete, dark brown clay					à.		÷	13		
	FILL: - grav	el slag, plastic, concrete and brown clay	-			36	36	. 17	19	12		
-5 - 62 62 62 62 62 62 62 62 62 62 62 62 62		and concrete fragments										
	gray, with b	(CH) - soft to firm, dark brown and race gravel, wet	,	0.5			~			52		
-20										32		×
25	nodules	d yellowish brown, with calcareous		1.5				÷		25	101	36
		1-25										

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Completion Depth 25.0 Sympol Samples	<u>ا</u> ا	Completion Date 8-24-11 ce Elevation	Water Observations Groundwater scepag drilling. Type CFA	e was i	tot ob	served	at a d	lenth	പ്പ	hout	12' v	vhile	
	Surfac	ce Elevation	Туре							oout			
Depth, Ft. Symbol Samples			UTA CTA				T					[
		2	um Description	REC %	Penetrometer Reading, TSF	SPT - Blows/Foot TCP - Blows/Inch	Passing No. 200 Sleve, %	Liquid Limit, %	Plastic Limit, %	Plasticity Index	Moisture Content, %	Dry Unit Weight pcf	Unconfined
-		FILL: GRAV gravel	VEL - railroad ballast and limestone										
		FILL: FAT C and brown	CLAY - very hard to hard, dark gray		4.5+						18	108	15
- 5 - 6				-	4.5+						30		
1					2.75		88	62	23	39	24		
		- firm, gray, d	ark brown and olive	-	1.25						30		
10-0													
1				Σ									
1222		- organics and	wood fragments at 13'-15'	-							247		
15		FAT CLAY (C brown, with a	CH) - firm to hard, dark gray and sand	-									
	i.			-	1.0		77	58	21	37	30	94	30
-0-											-		
s-					3.0						26		
		Boring Termina	ted at 25 Feet										
DG OF BORI		NO. B12	~~										

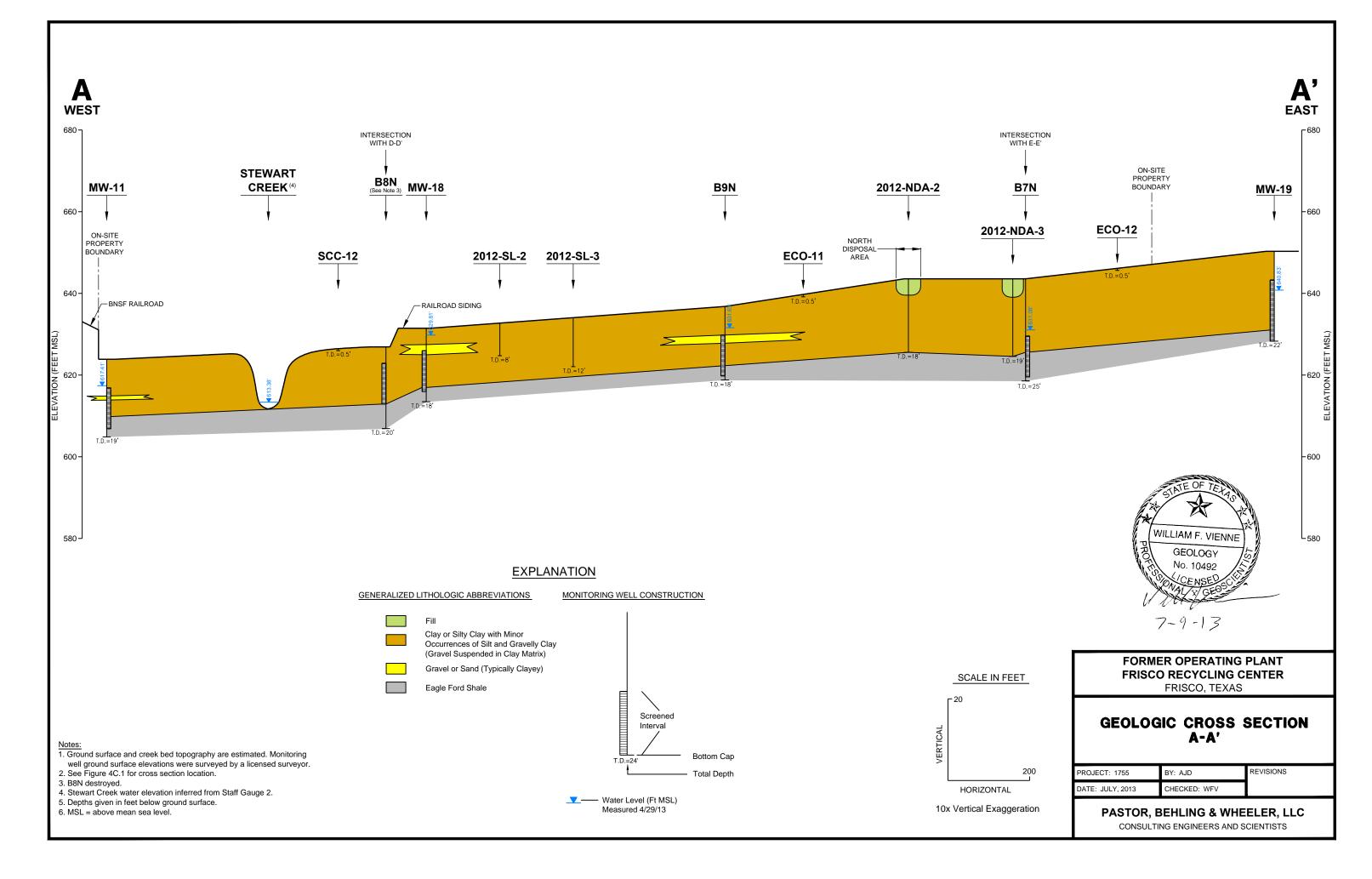
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ATTACHMENT B

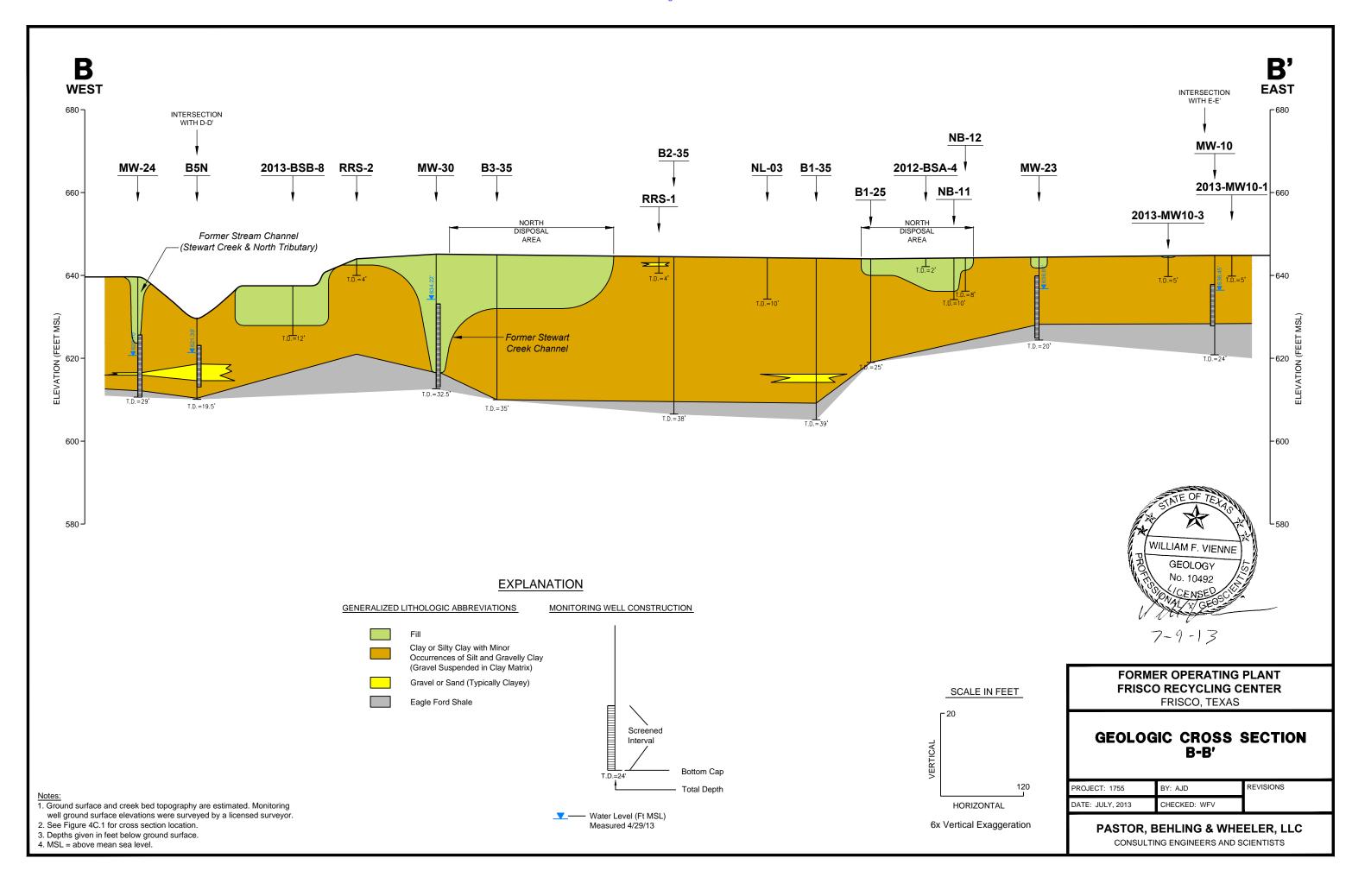
PBW GEOLOGIC CROSS SECTIONS AND CROSS SECTION LOCATION MAP



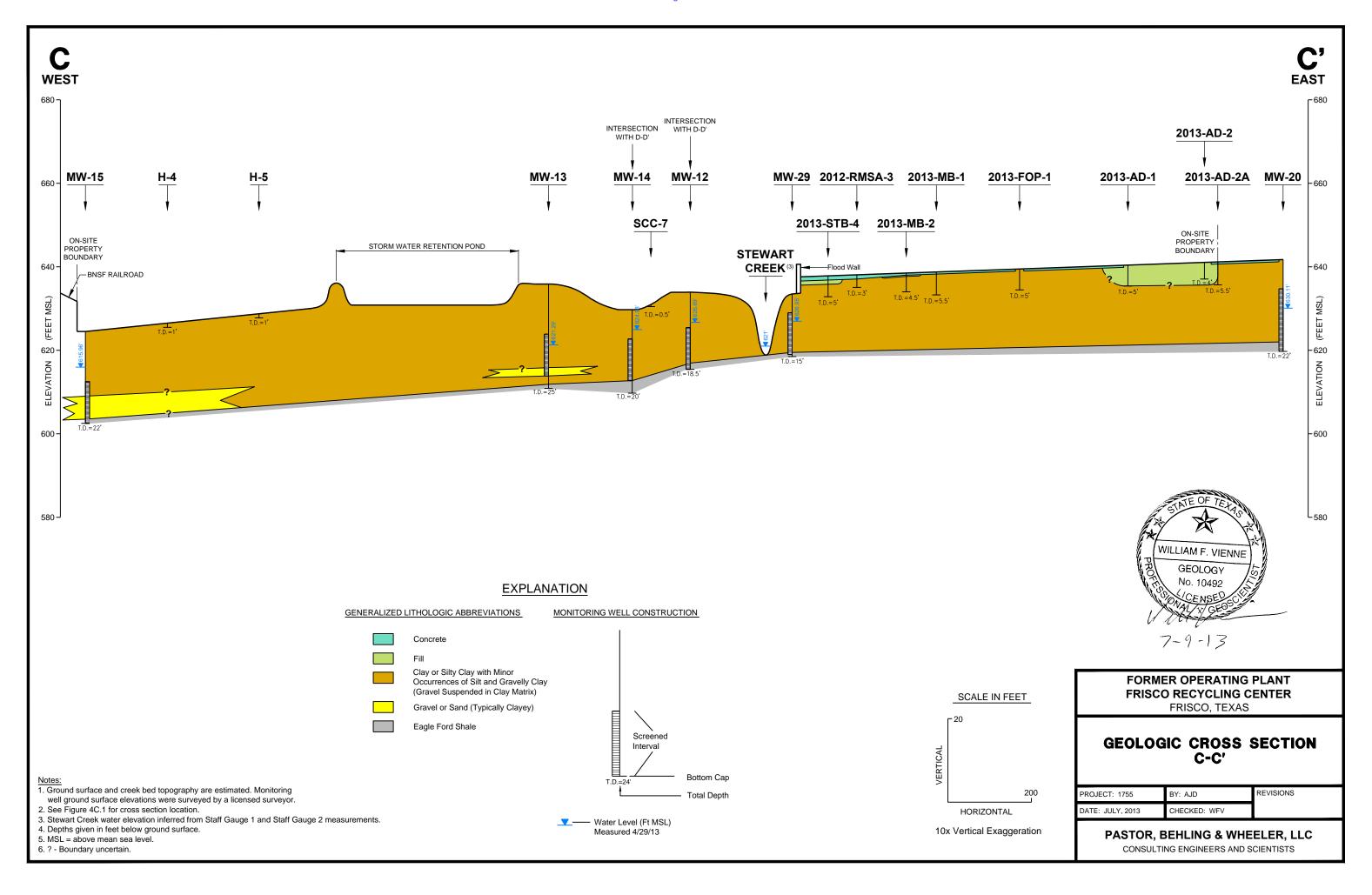
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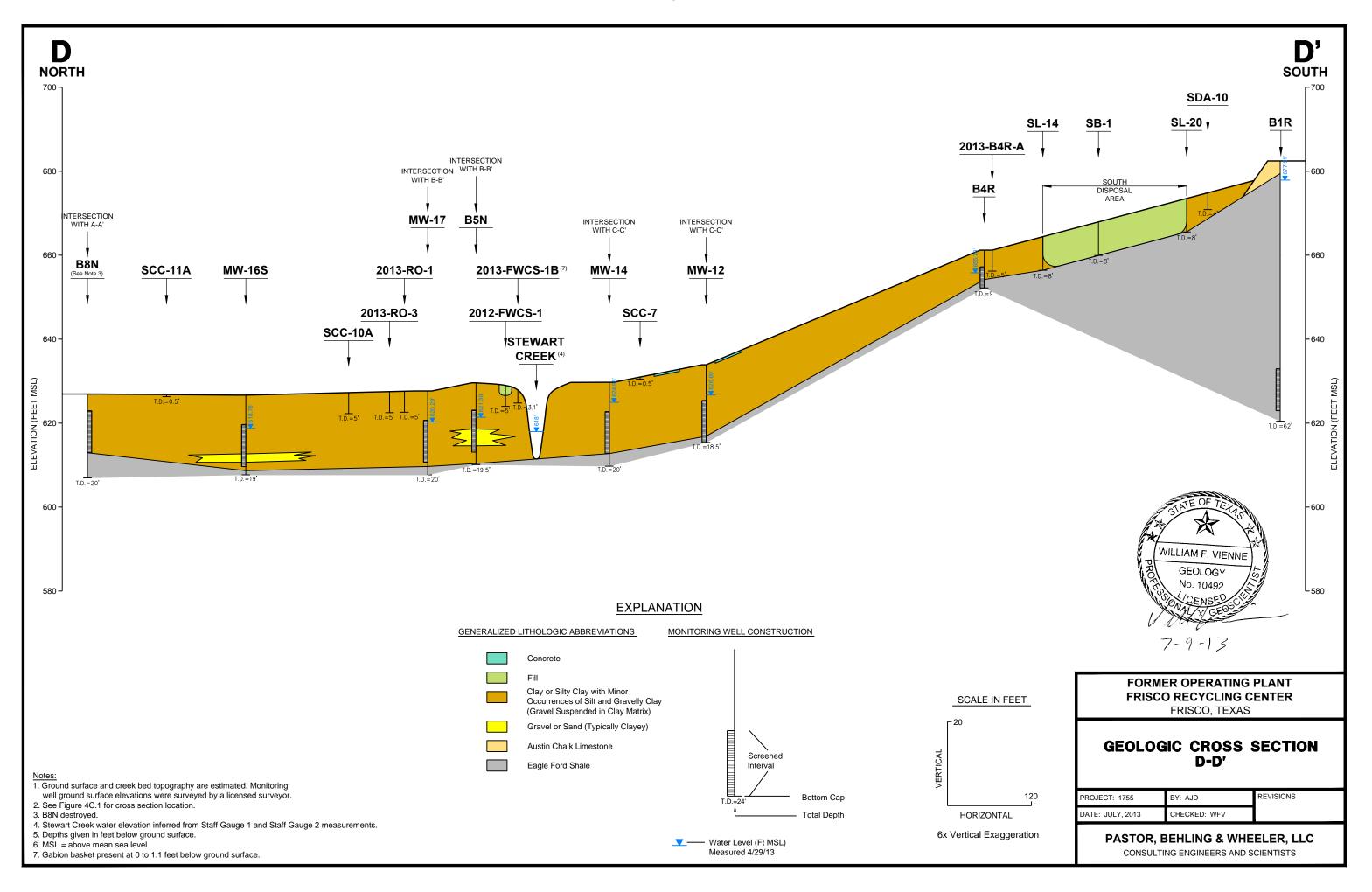
Exide APAR Page 960 of 2984



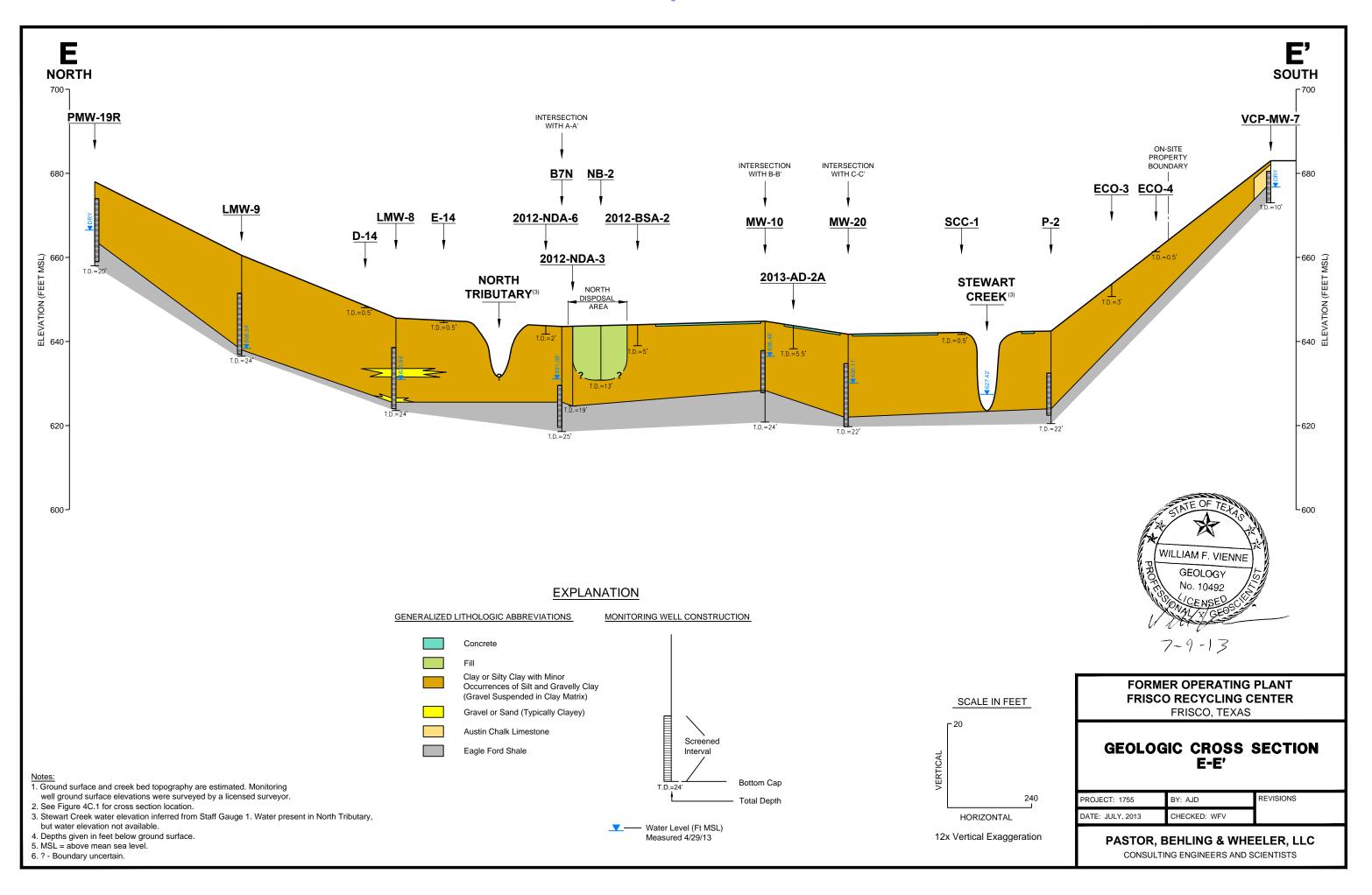
Exide APAR Page 961 of 2984



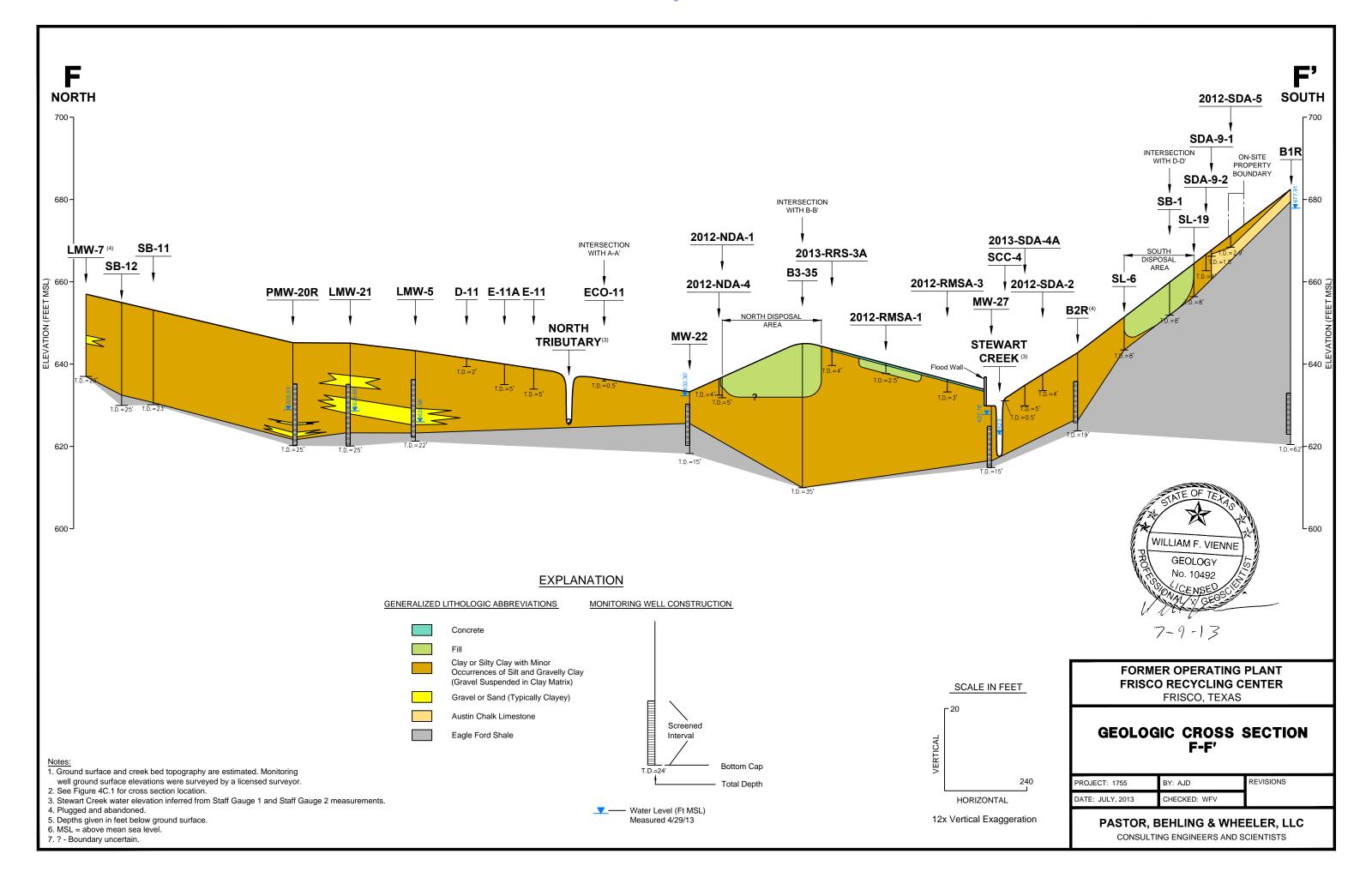
Exide APAR Page 962 of 2984



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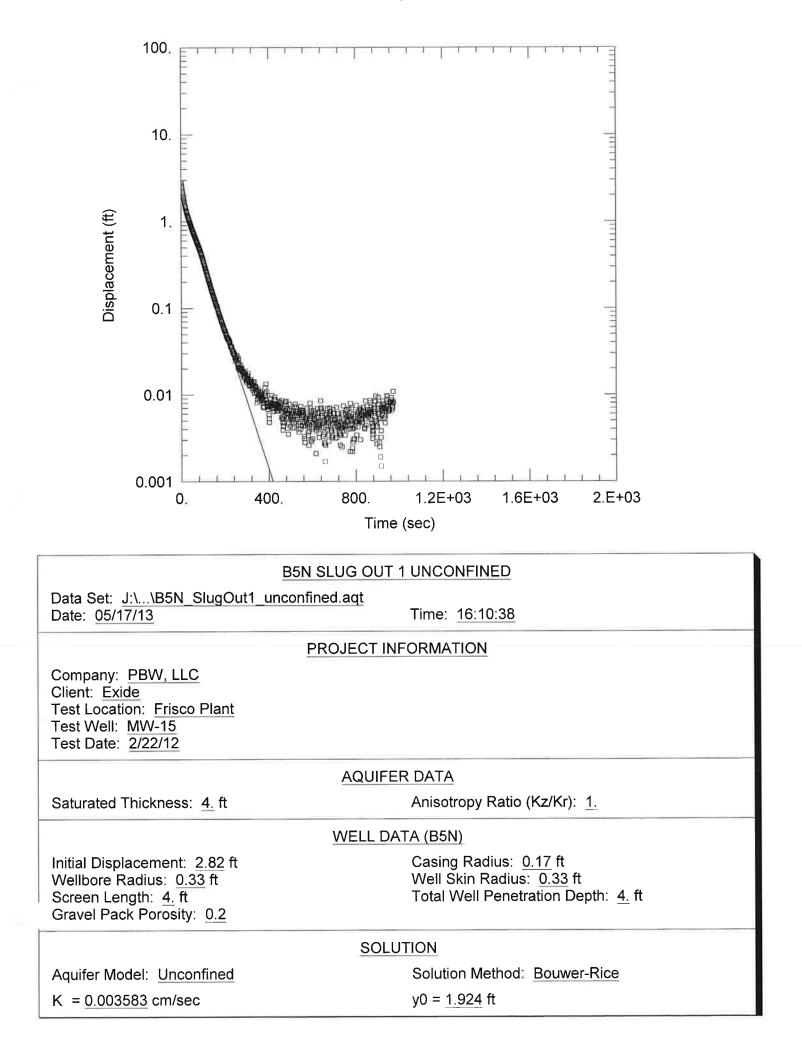
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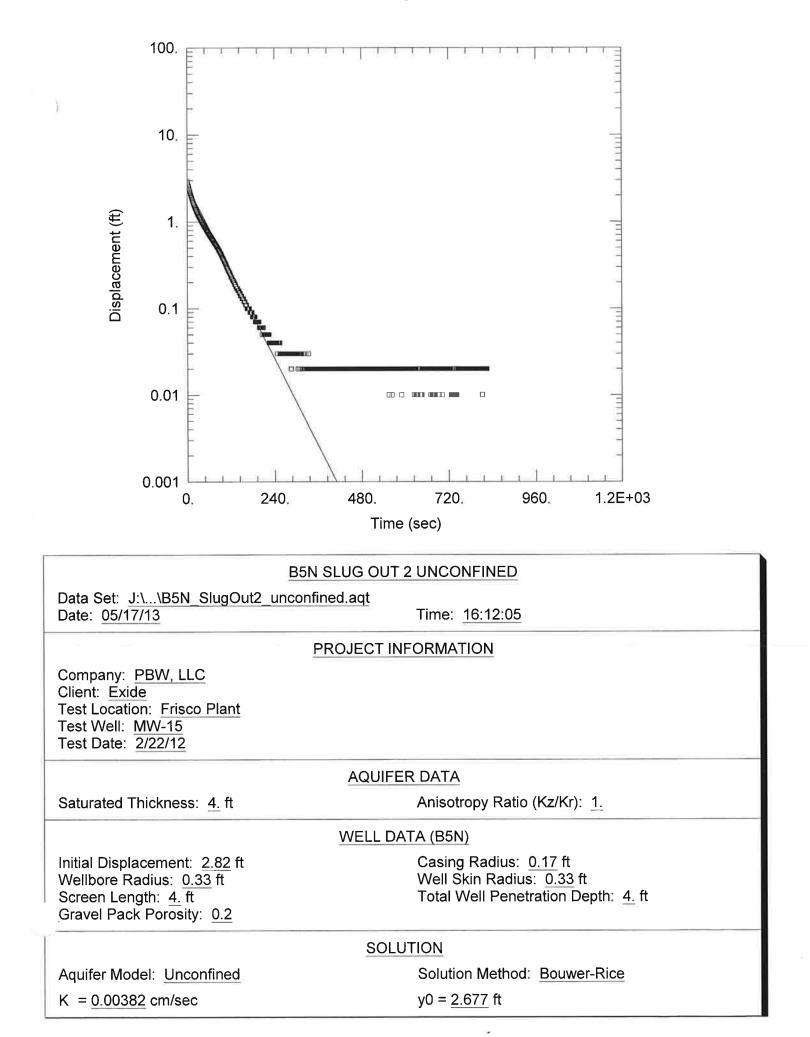
ATTACHMENT C

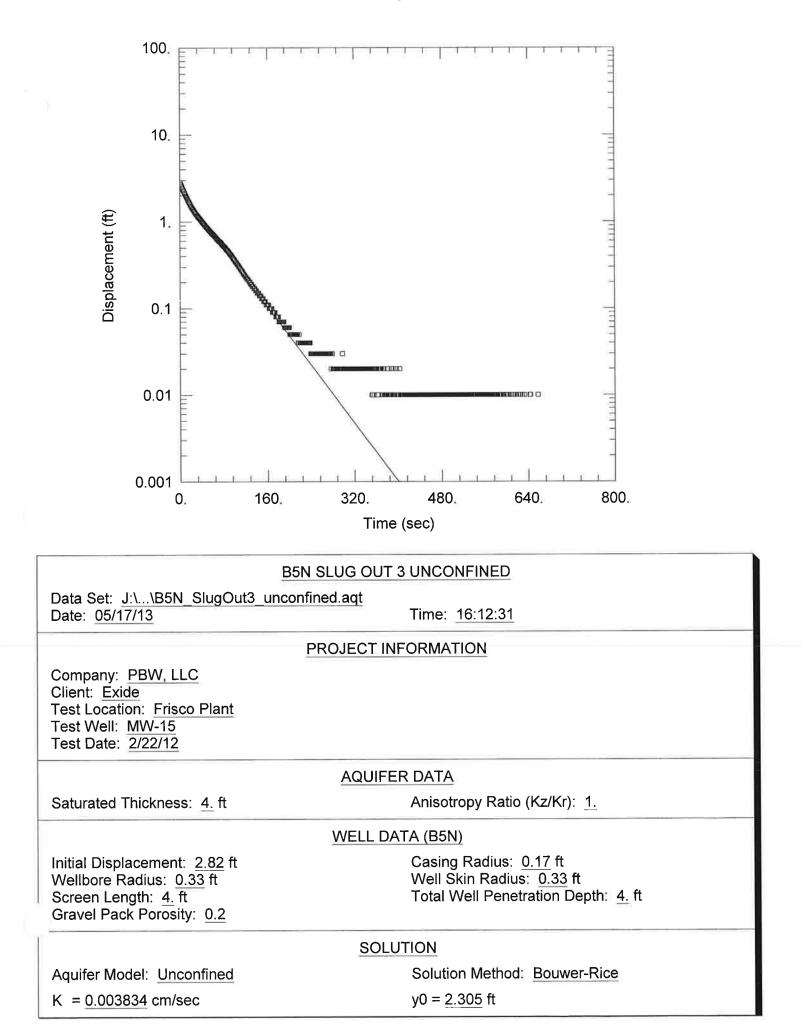
PBW SLUG TEST GRAPHS AND INFORMATION

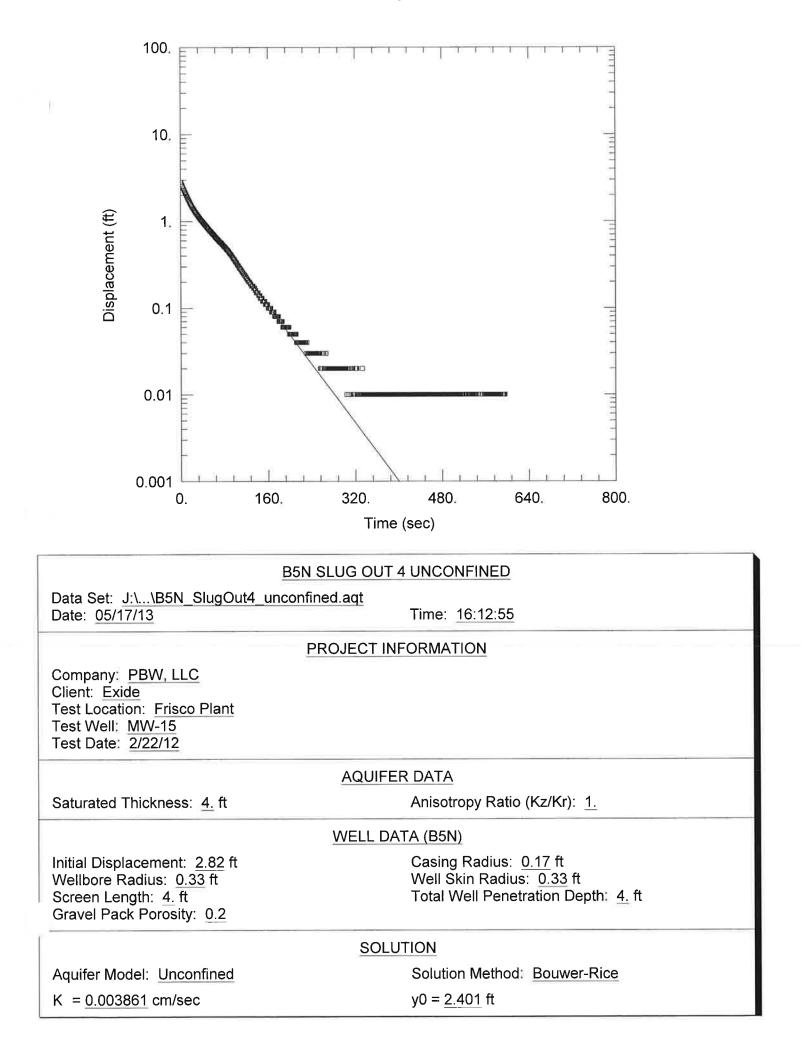
SUMMARY OF PBW SLUG TEST RESULTS

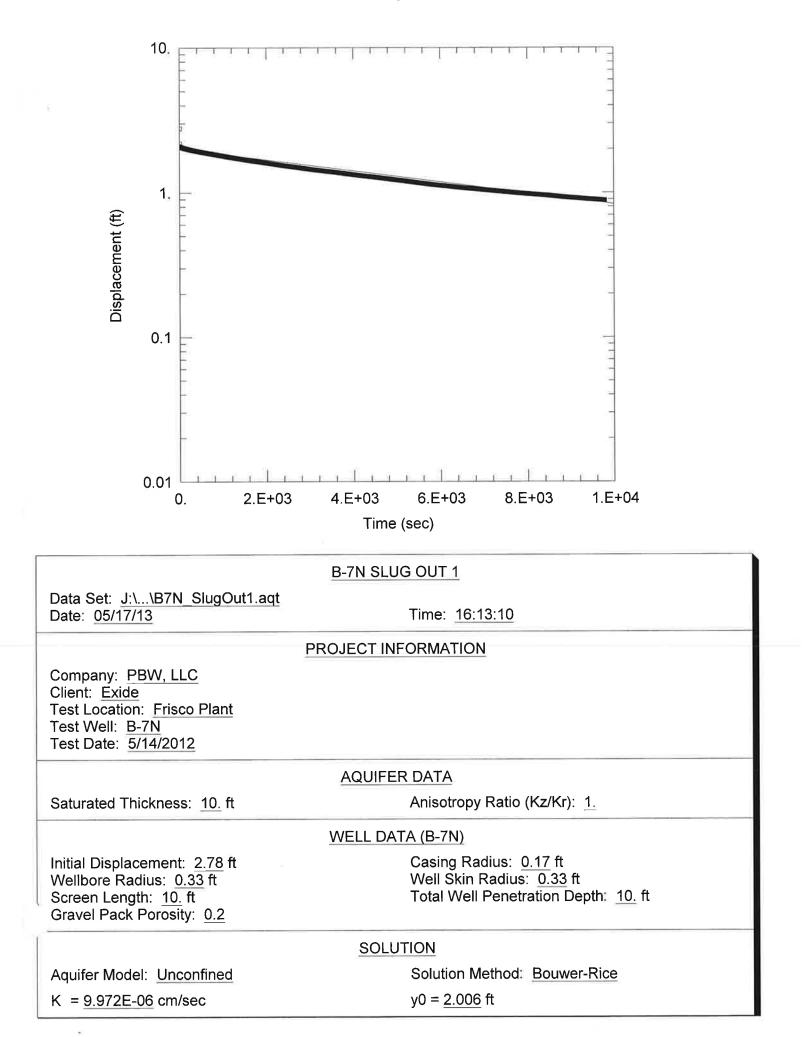
Well Number	Test Type	Test Hydraulic Conductivity (cm/sec)	Average Hydraulic Conductivit (cm/sec)
	<u>61 - 0 - (1</u>	2 (E 02	2.95.02
B5N	Slug Out 1	3.6E-03	3.8E-03
	Slug Out 2	3.8E-03	-
	Slug Out 3	3.8E-03 3.9E-03	-
	Slug Out 4	3.9E-03	
B7N	Slug Out 1	1.0E-05	1.0E-05
	Slug Out 2	8.7E-06	
	Slug Out 3	1.1E-05	-
	bing our b		
B9N	Slug Out 1	1.8E-03	1.8E-03
	Slug Out 2	1.8E-03	
	Slug Out 3	1.8E-03	
MW-13	Slug Out 1	9.1E-03	1.3E-02
	Slug Out 2	1.9E-02	_
	Slug Out 3	9.6E-03	
		2.05.05	4 10 05
MW-14	Slug Out 1	3.9E-05	4.1E-05
	Slug Out 2	4.1E-05	-
	Slug Out 3	4.2E-05	
MW-15	Slug Out 1	3.8E-03	5.7E-03
	Slug Out 2	5.5E-03	-
	Slug Out 2	7.9E-03	-
	Slug Out 4	7.7E-03	
	Slug In 1	3.6E-03	
MW-16S	Slug Out 1	1.5E-03	1.3E-03
	Slug Out 2	1.3E-03	
	Slug Out 3	1.0E-03	
		5 07 04	
MW-17	Slug Out 1	7.0E-04	7.6E-04
	Slug Out 2	7.7E-04	-
	Slug Out 3	8.0E-04	
MW 10	Sing Out 1	2.2E-08	4.5E-08
MW-19	Slug Out 1		4.5E-08
	Slug Out 2	6.8E-08	
MW-20	Slug Out 1	7.8E-09	2.5E-08
	Diug Out I	4.2E-08	-

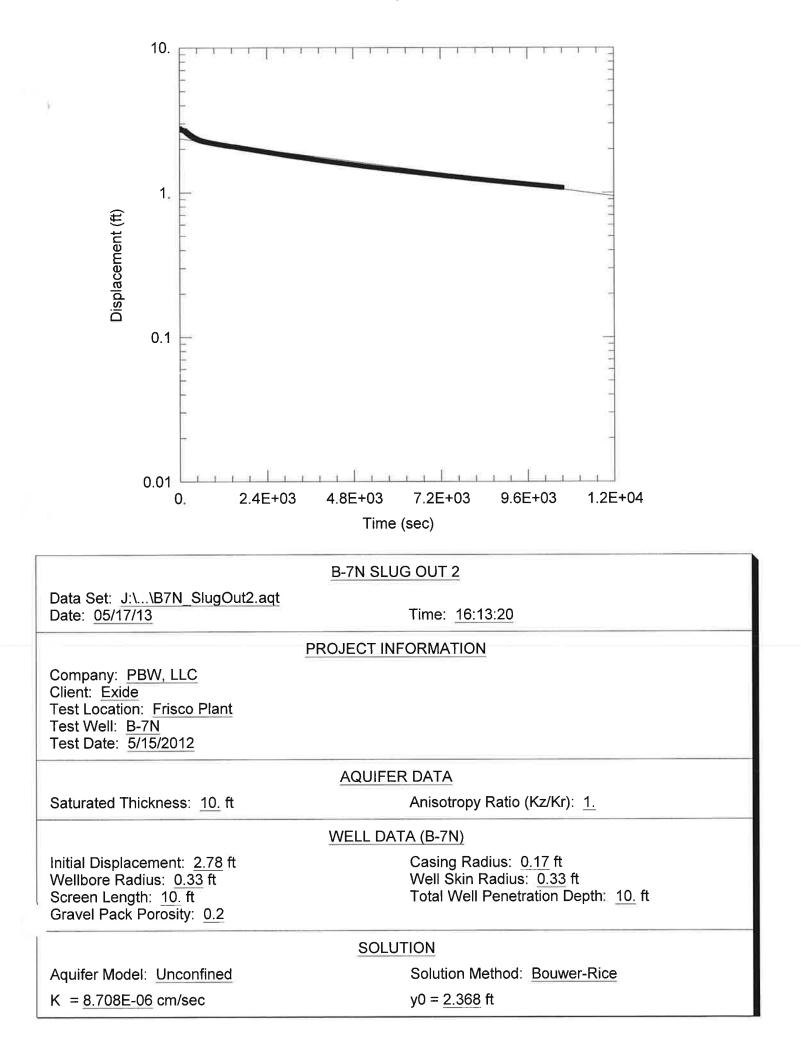


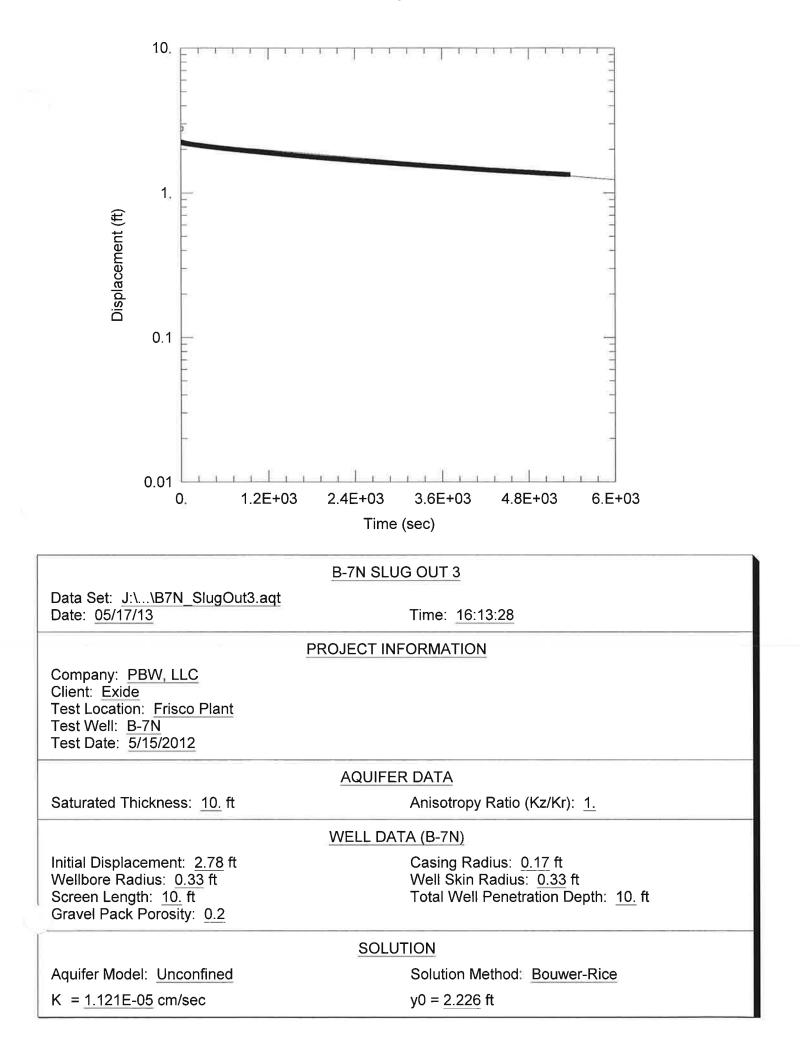


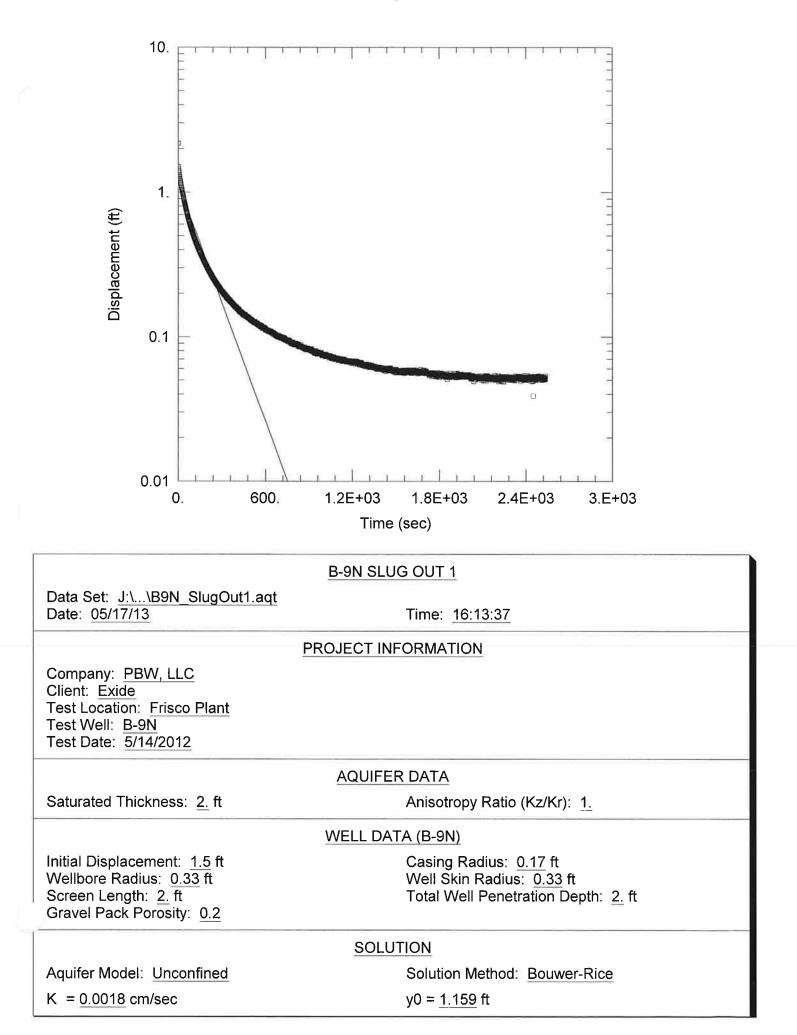


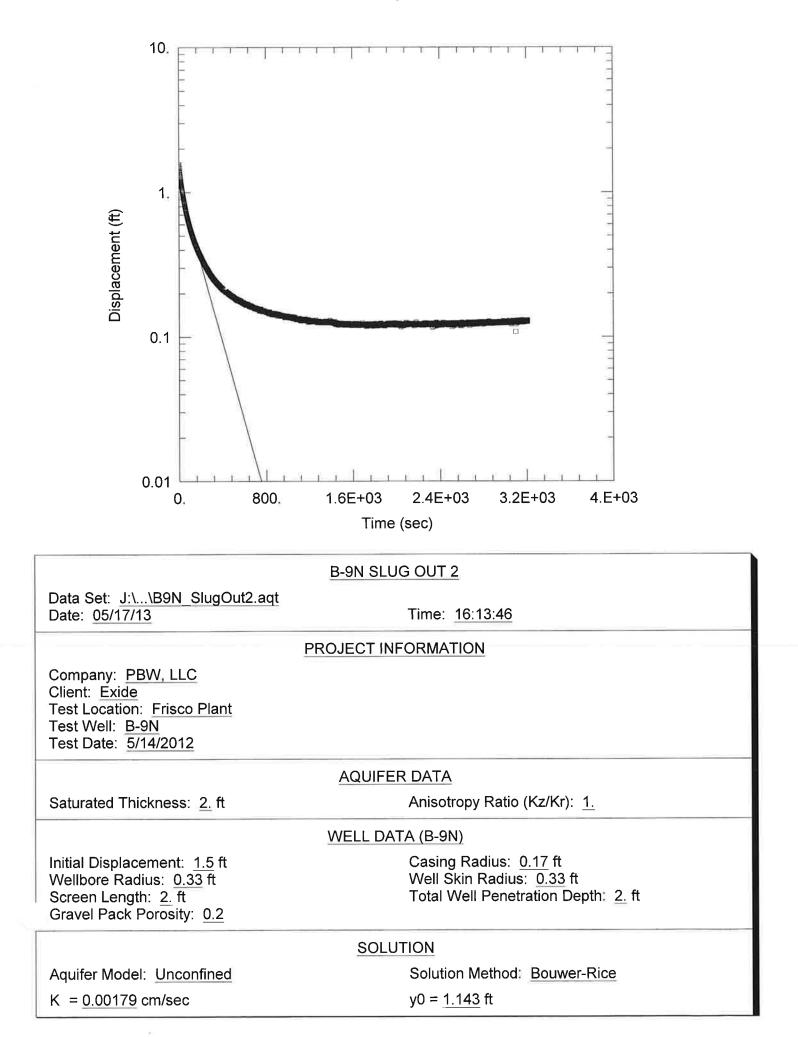


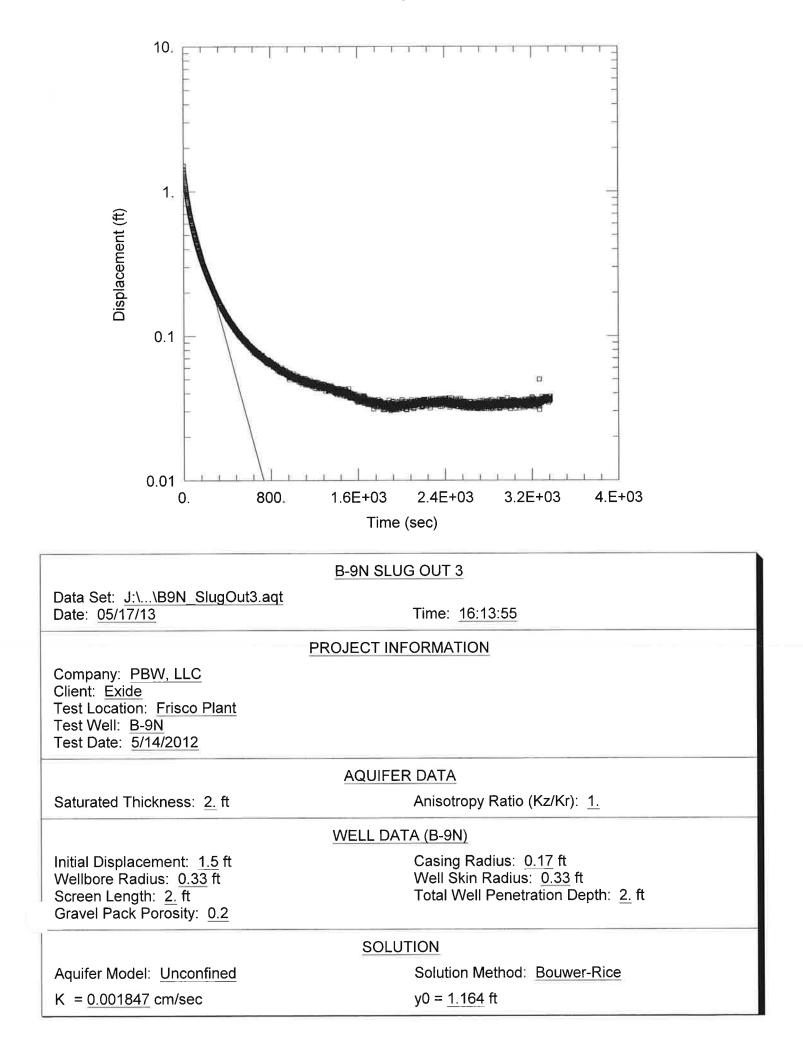


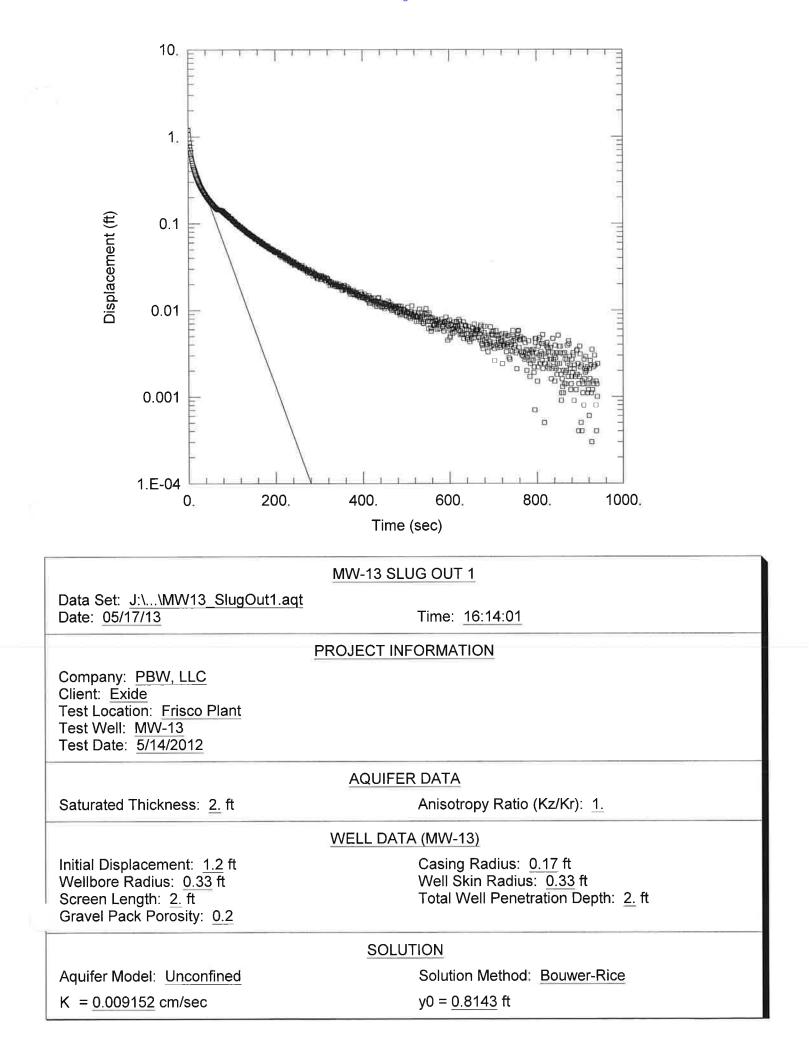




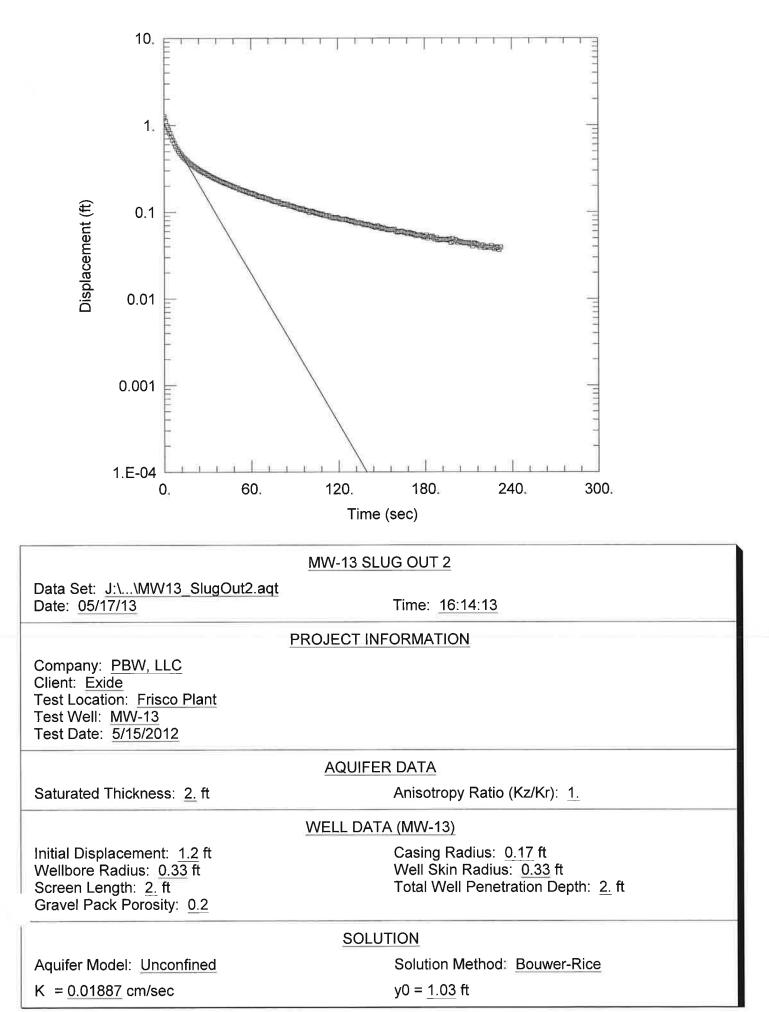




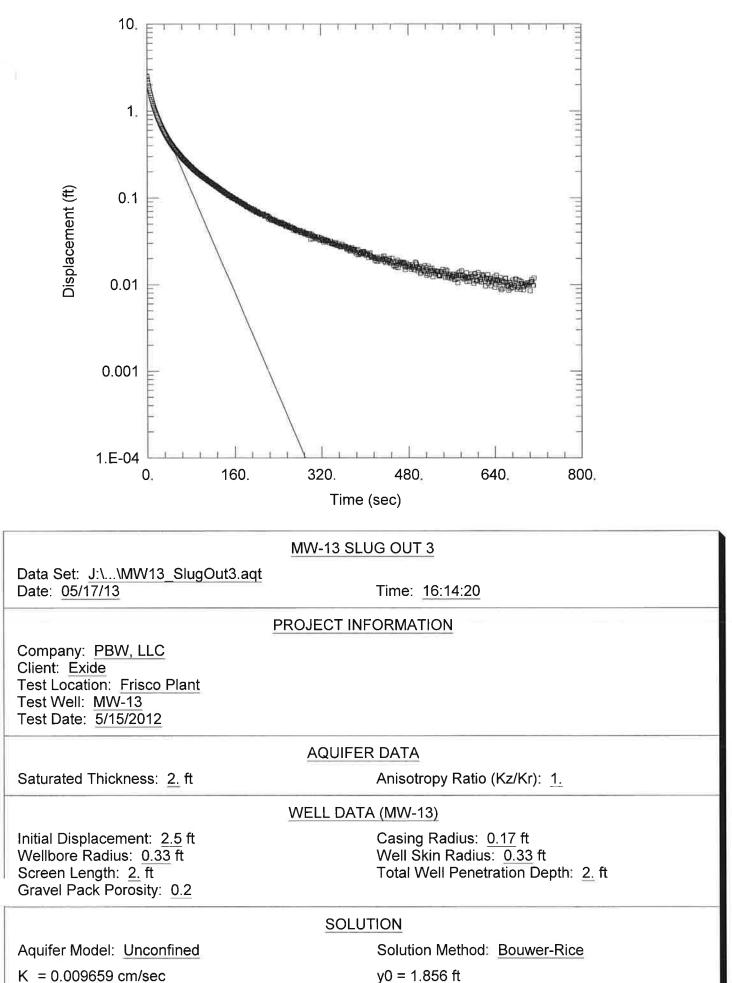




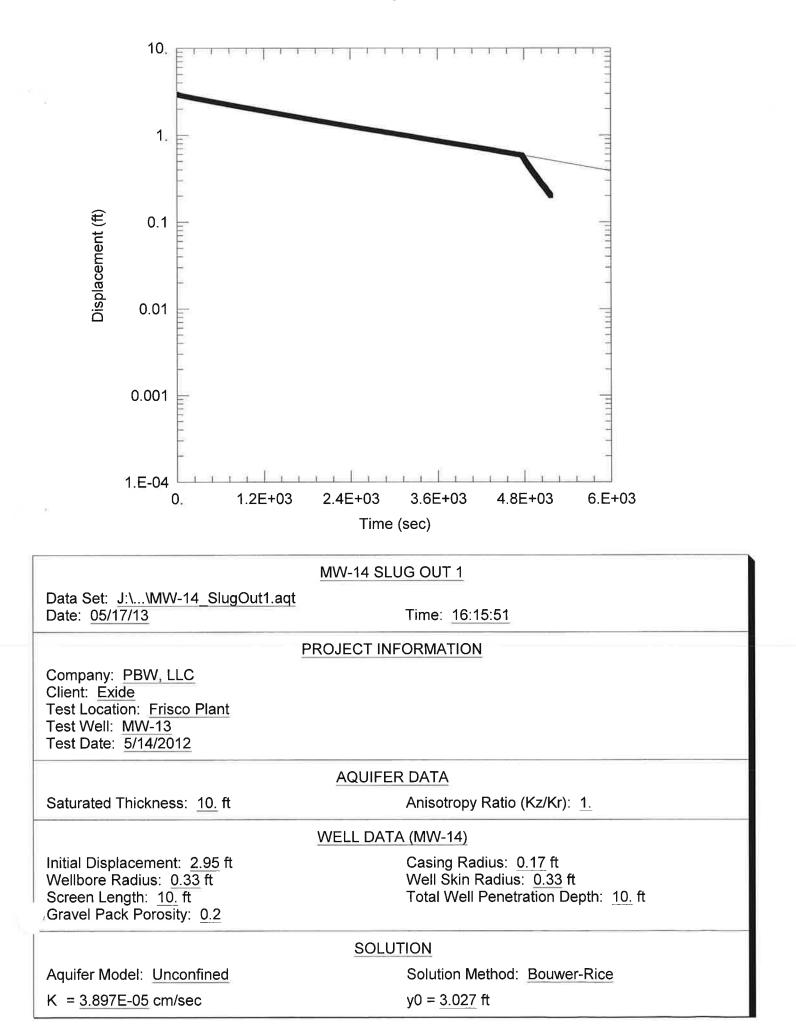
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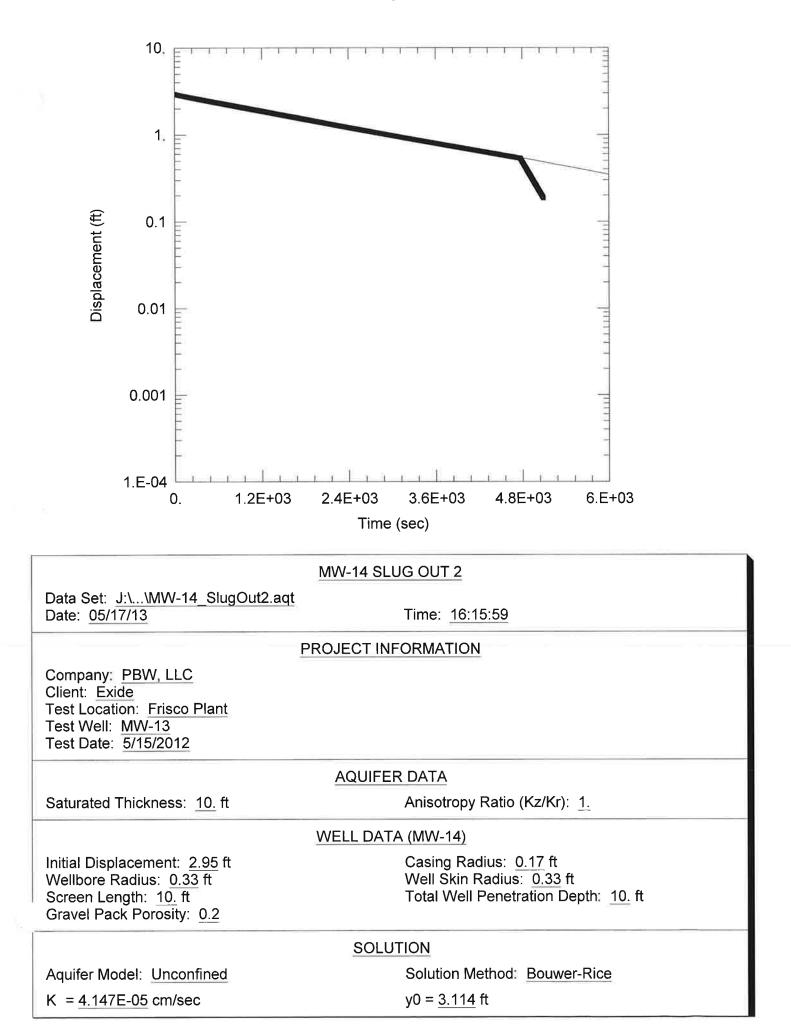


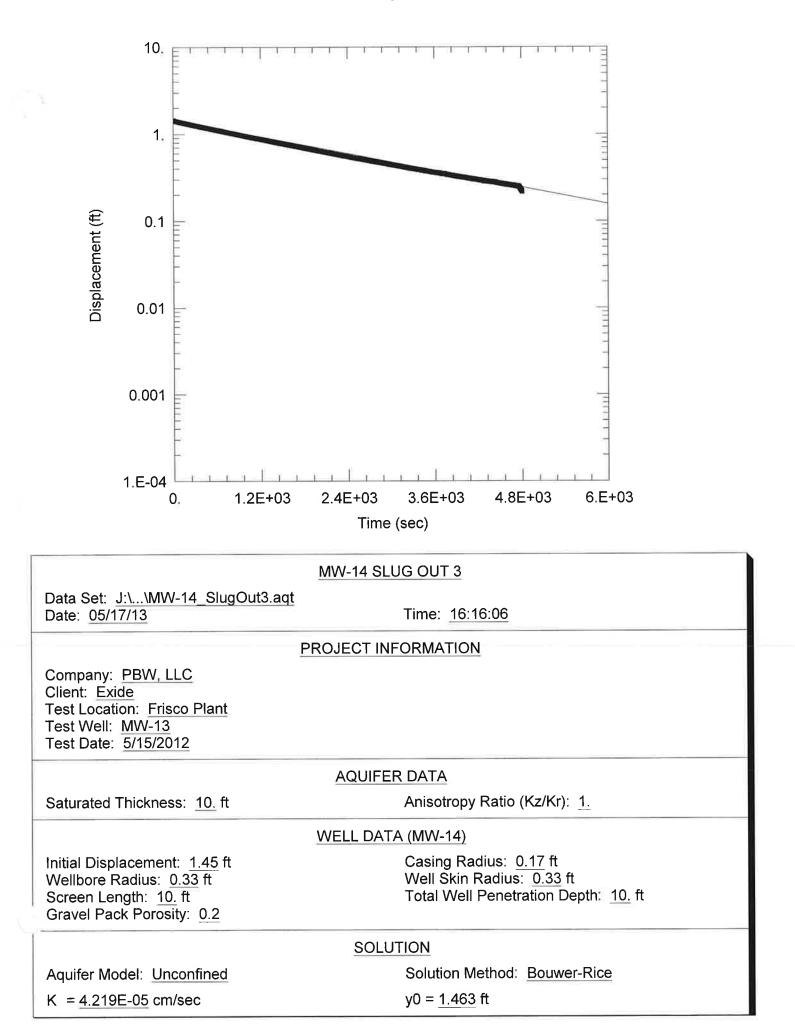
,



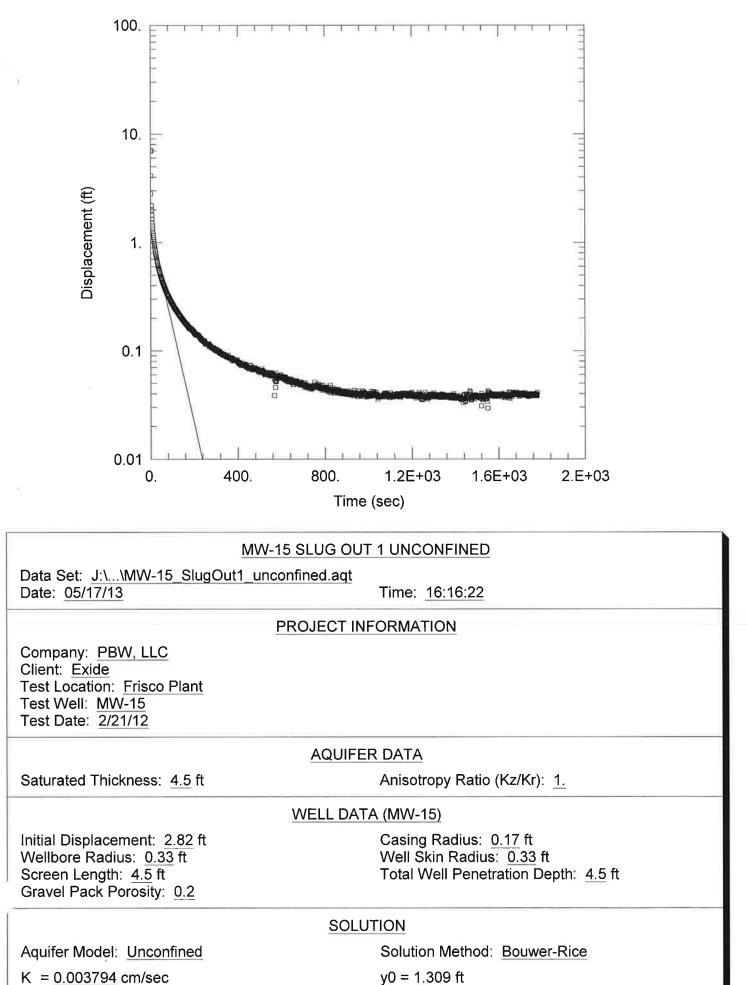
y0 = 1.856 ft



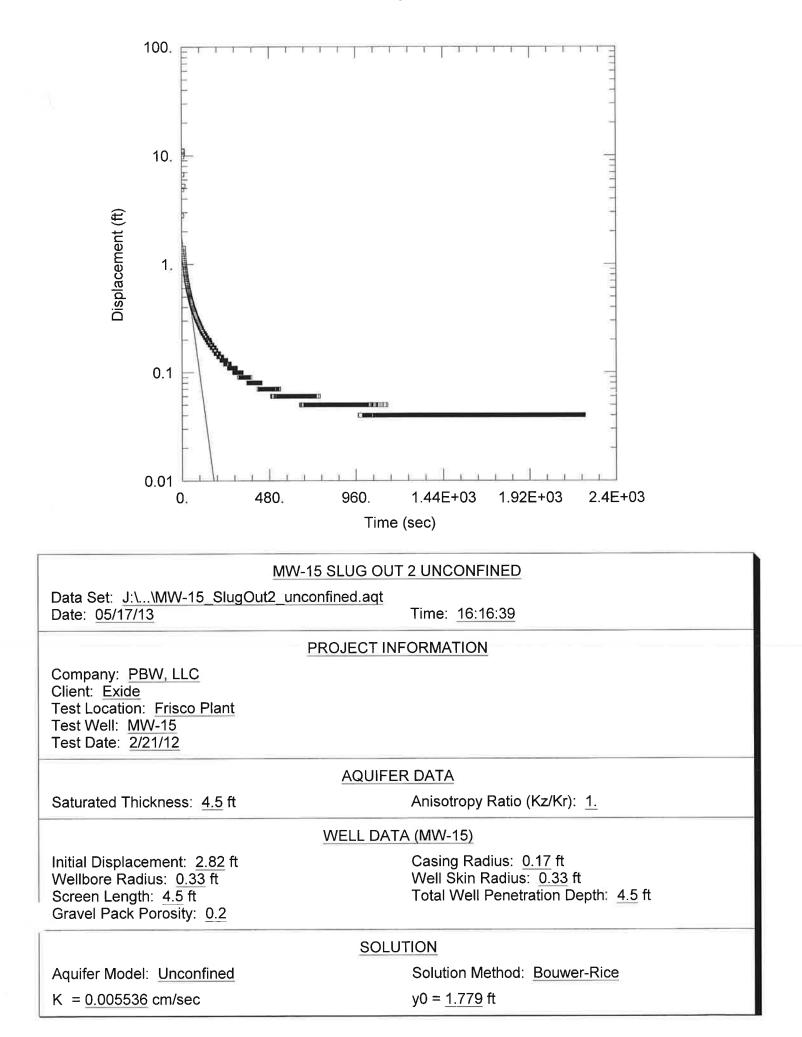


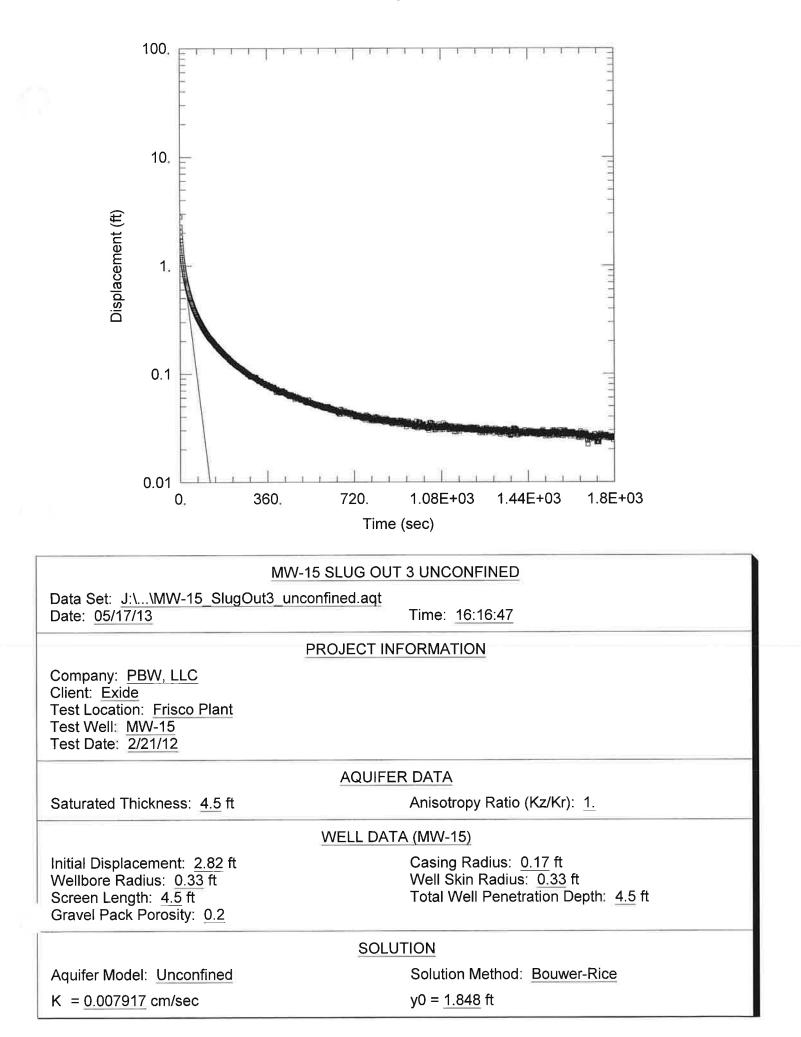


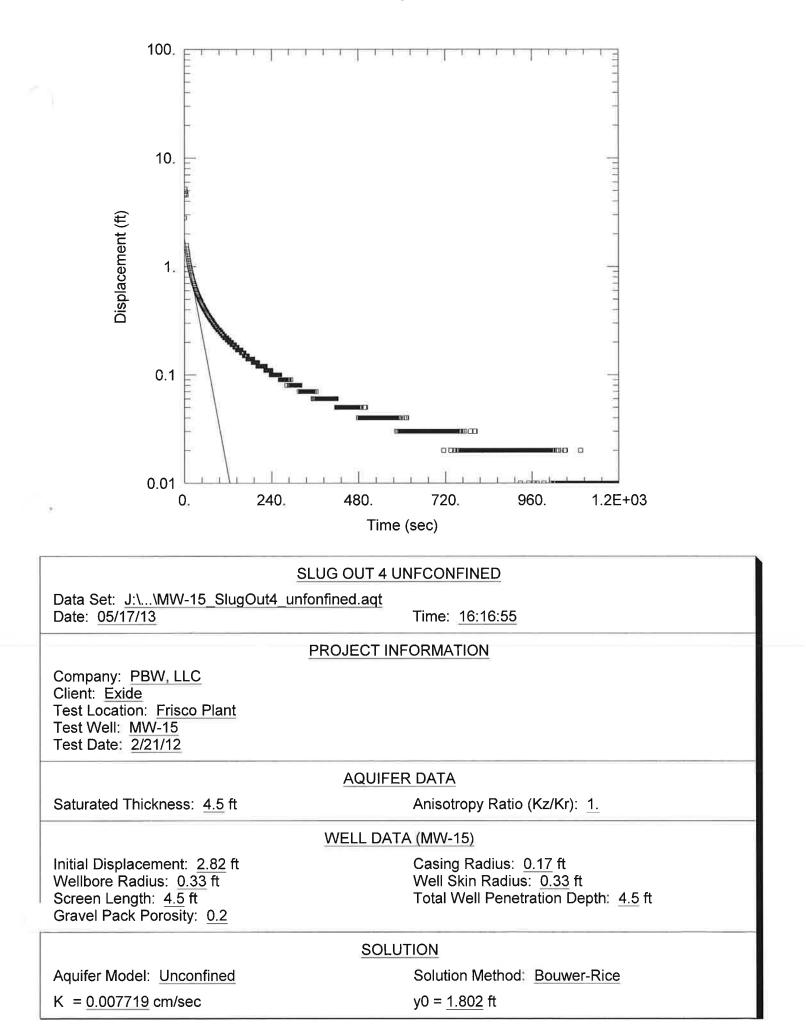
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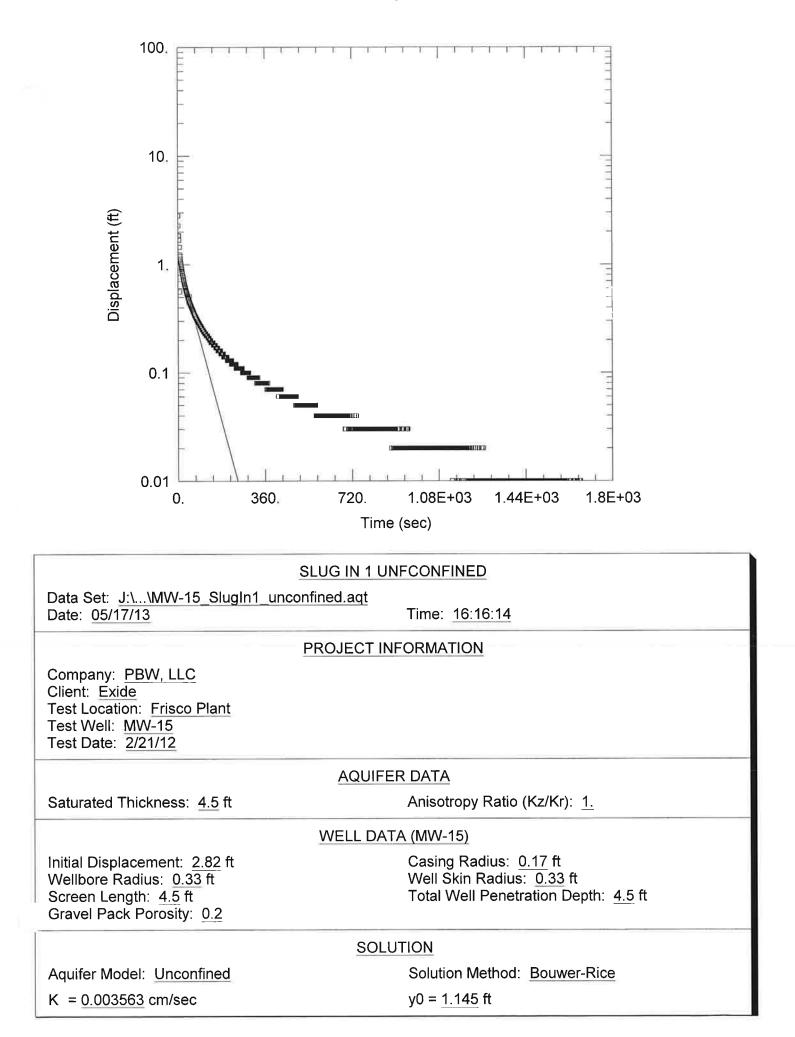


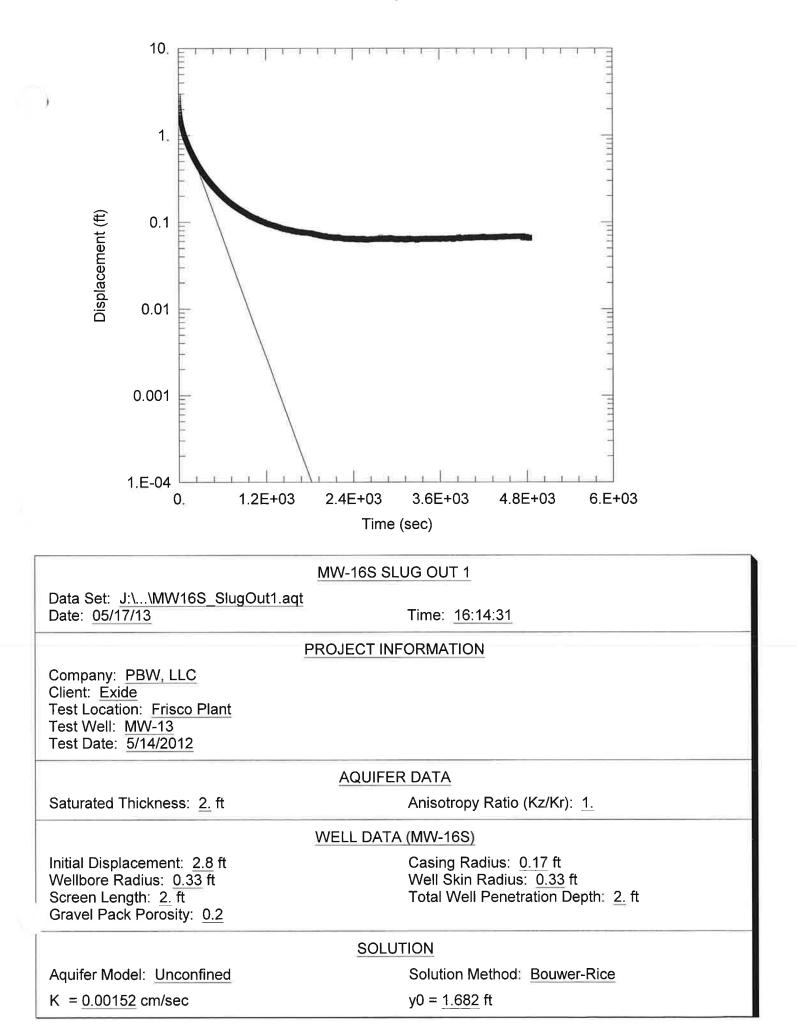
y0 = 1.309 ft



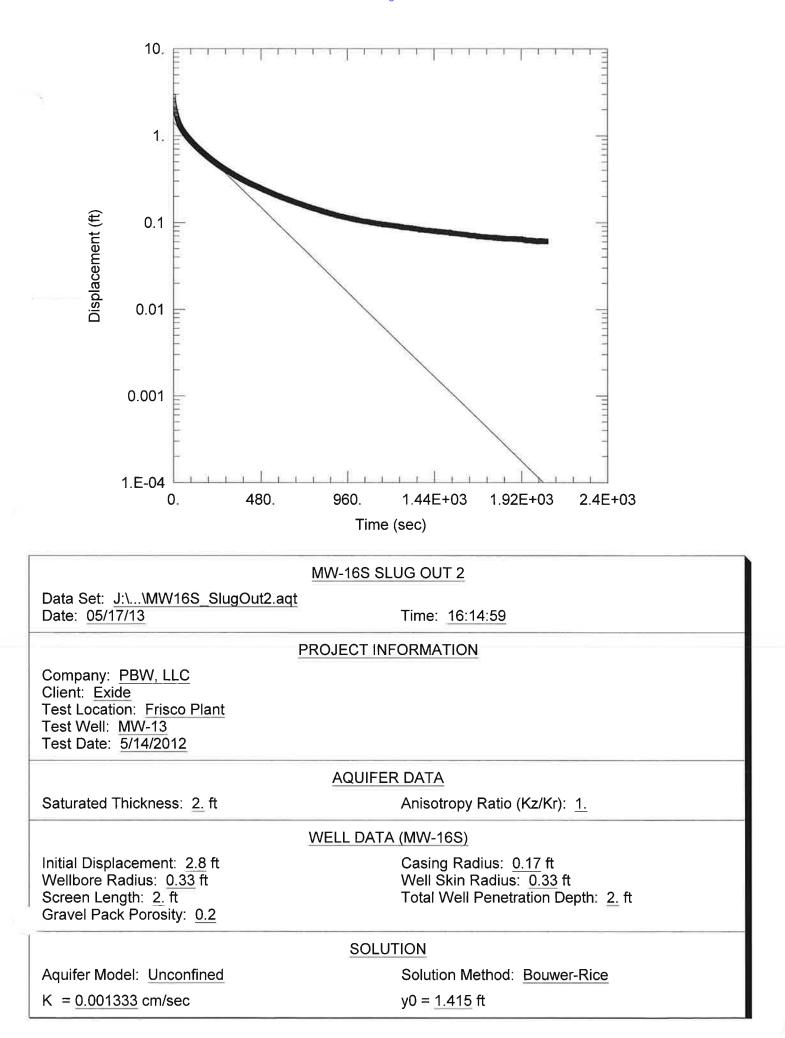


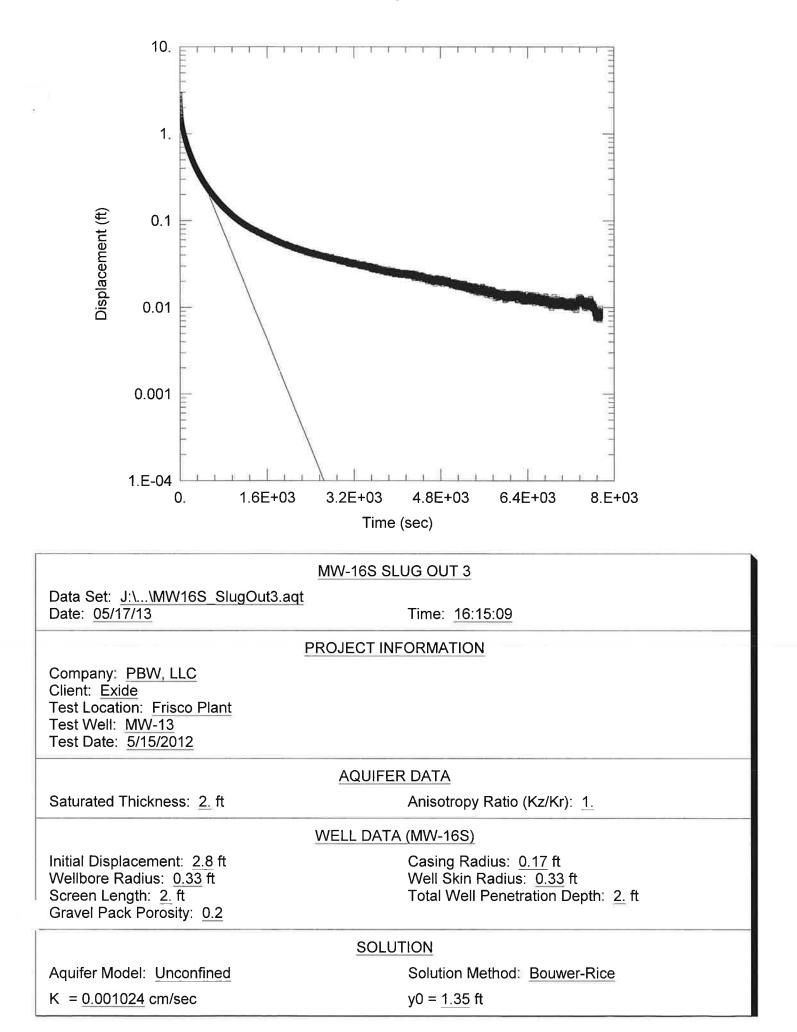


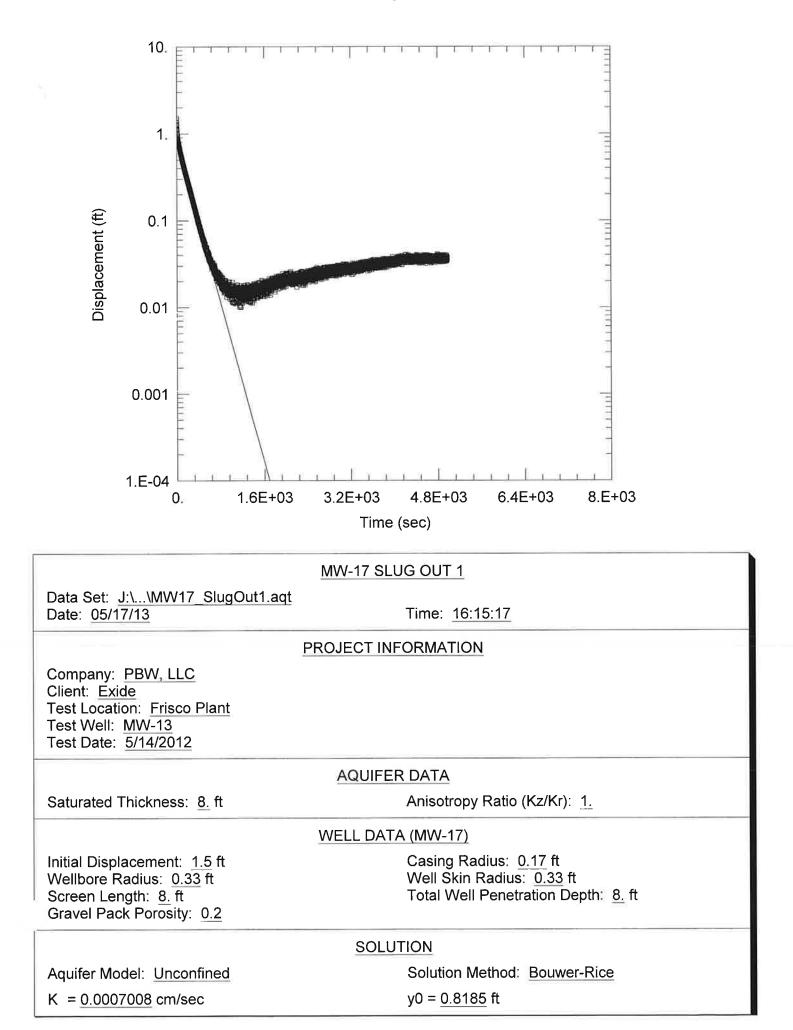


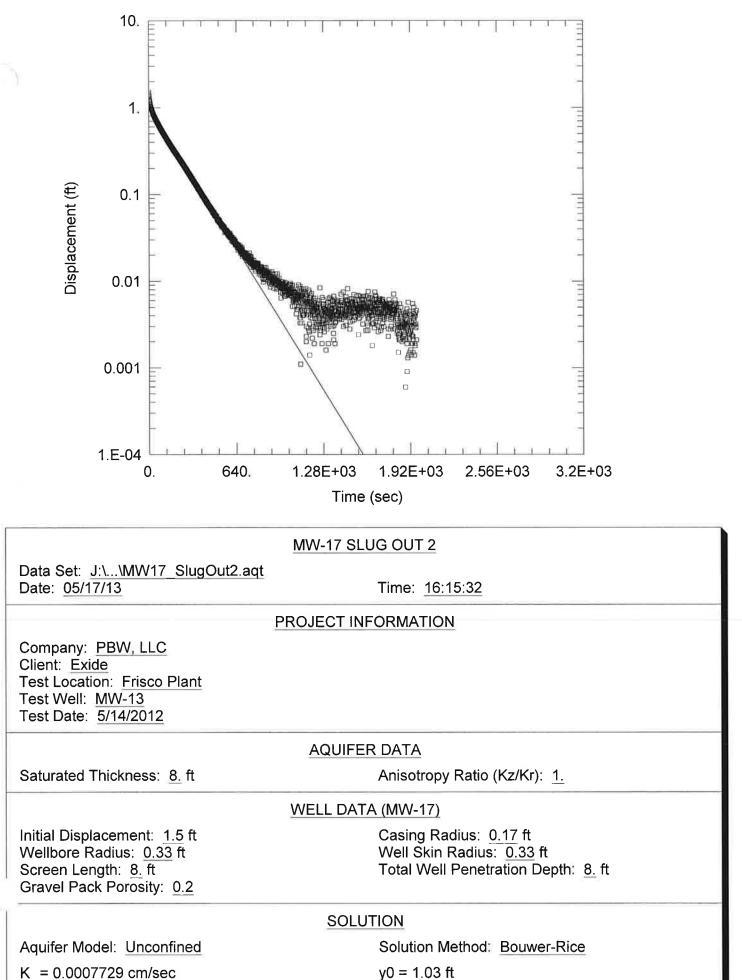


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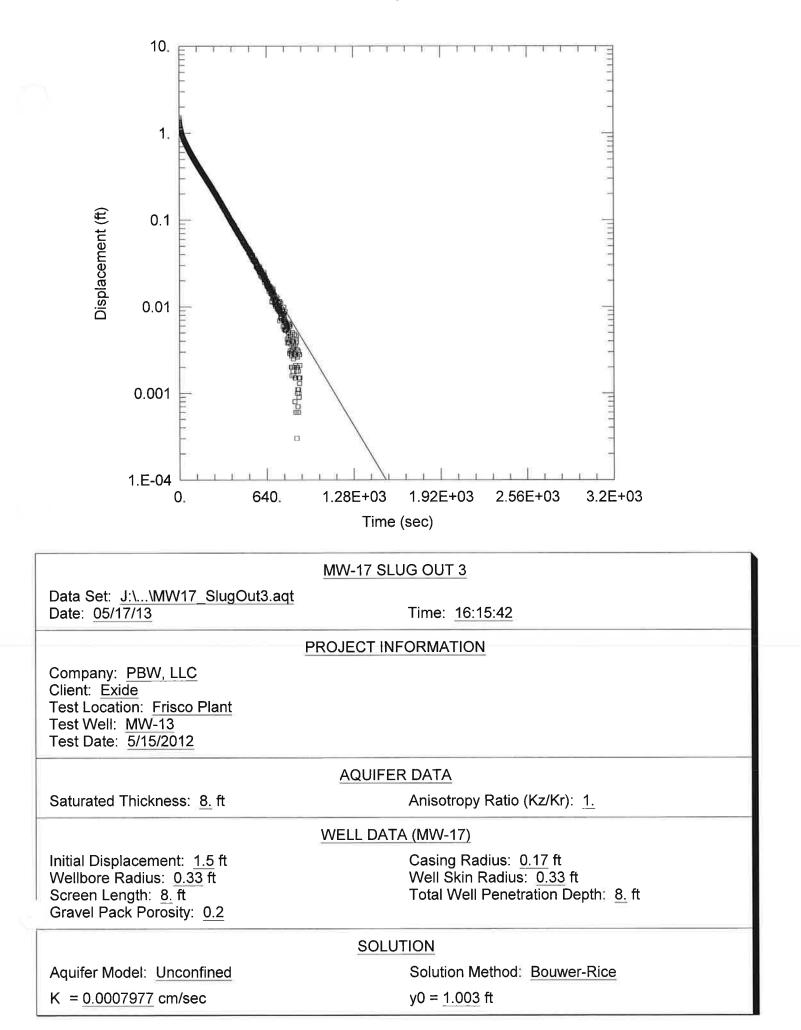


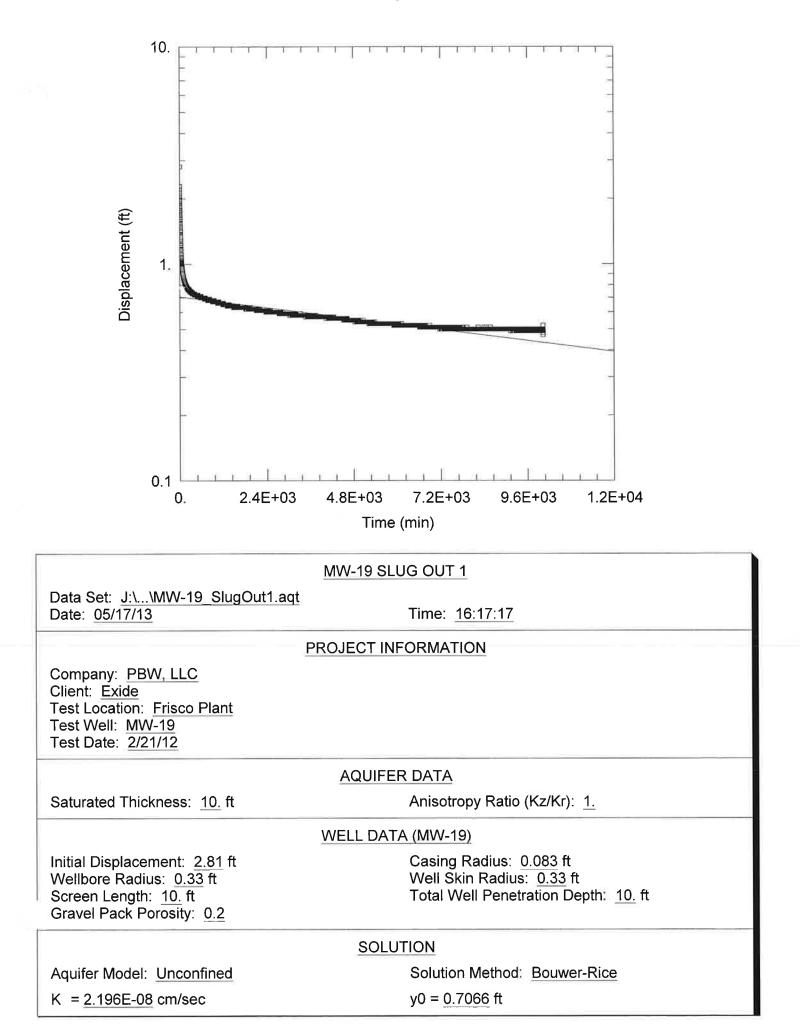


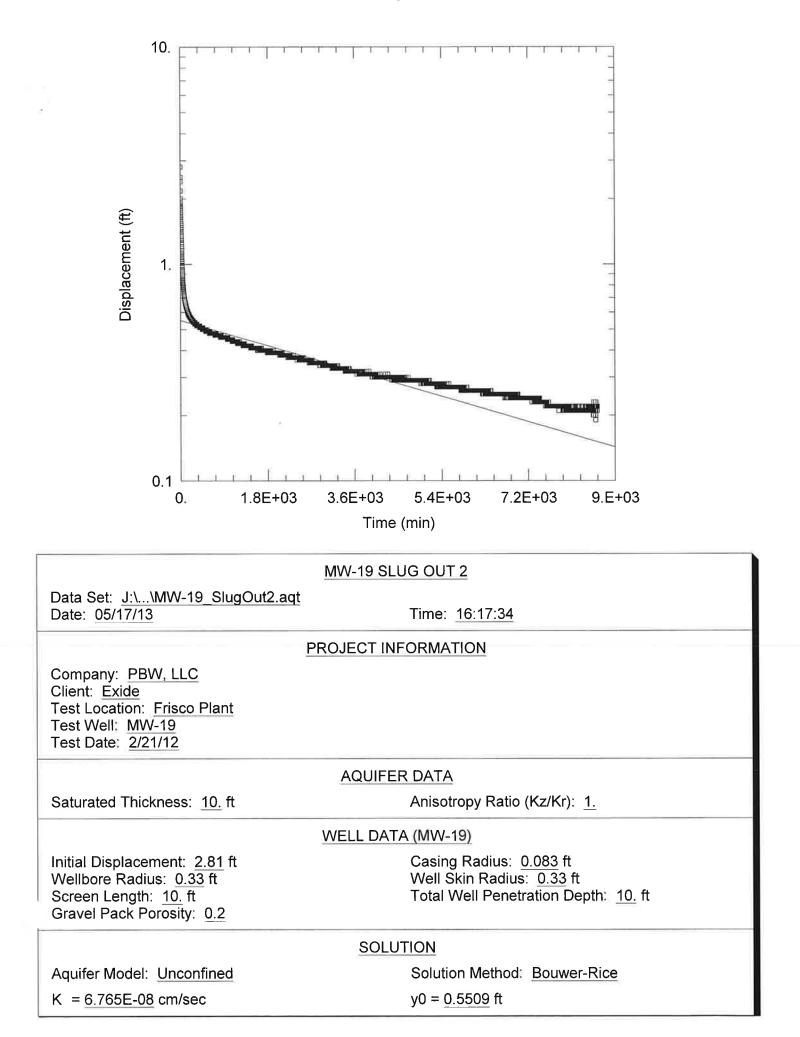


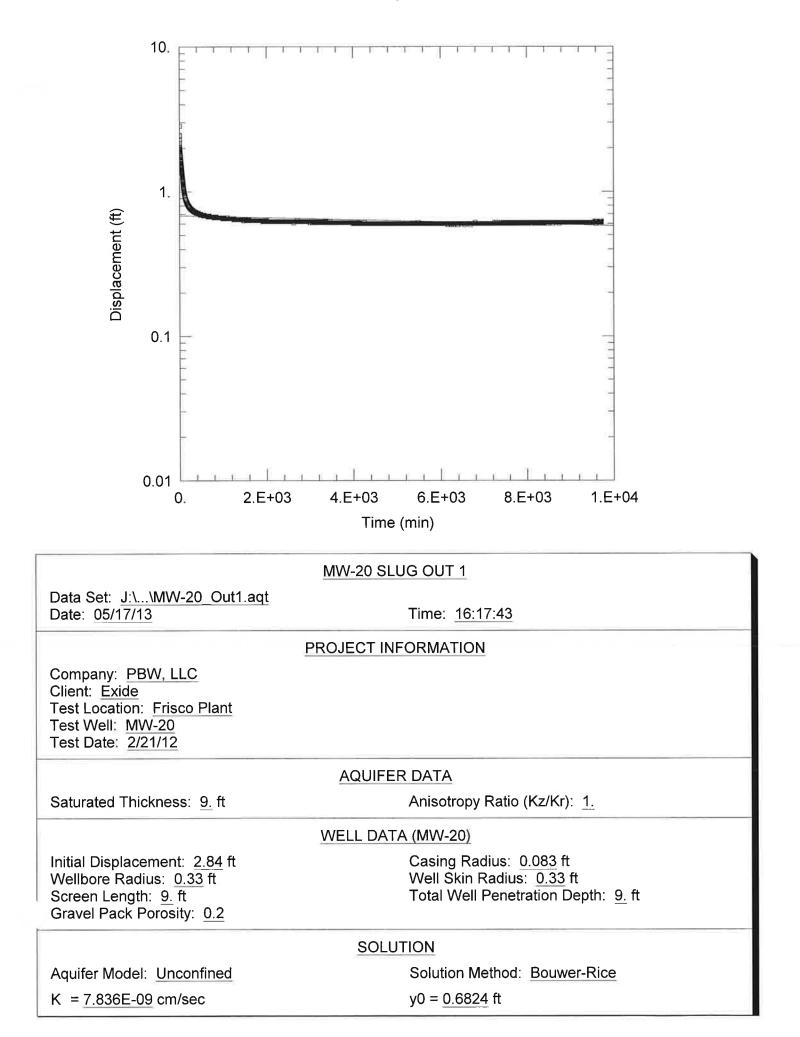


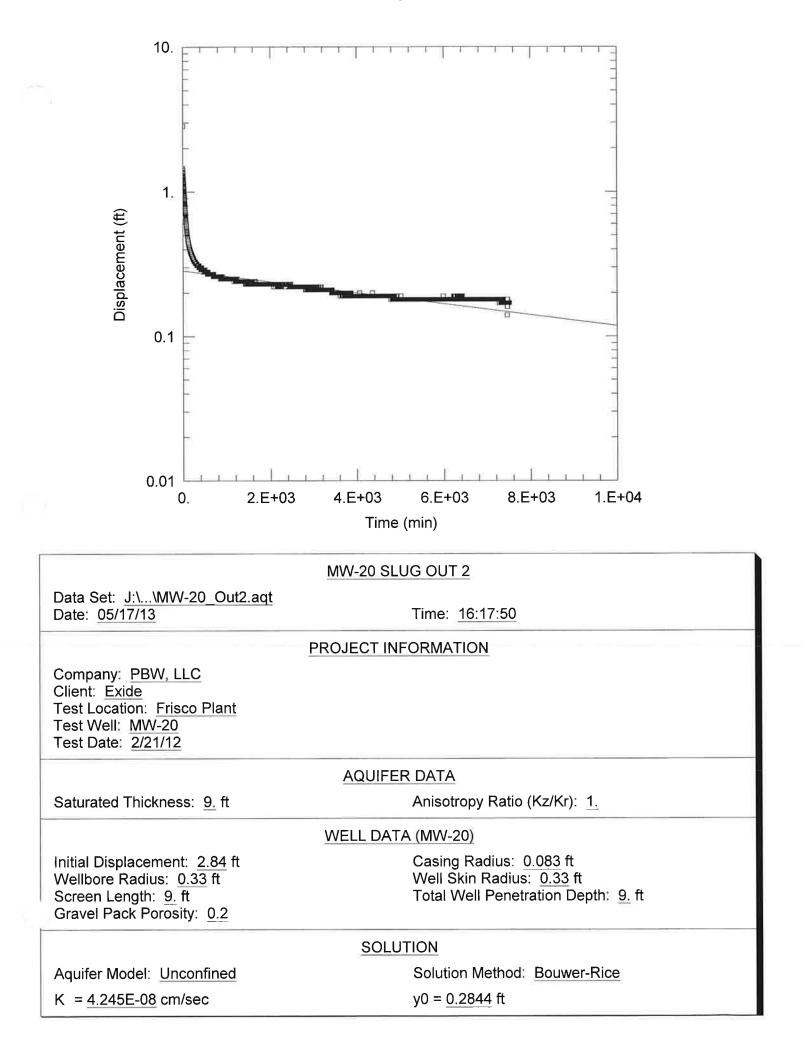
K = 0.0007729 cm/sec











ATTACHMENT D

J&N 1995 REPORT

PUMPING TEST CALCULATIONS, TIME-DRAWDOWN GRAPH, AND SUMMARY OF SLUG TEST RESULTS

GNB TECHNOLOGIES

Frisco, Texas

Pumping Test Calculations LMW-17

July 25 & 26, 1995

Transmissivity = T = 264 (Q) / delta s where: Q = Flow rate = 8 GPM delta s = drawdown per log cycle = 0.19 foot

therefore:

T = 264 (8)/0.19

T = 11,116 gpd/ft

T = Km

where:

T = transmissivity = 11,116 gpd/ft

K = the hydraulic conductivity

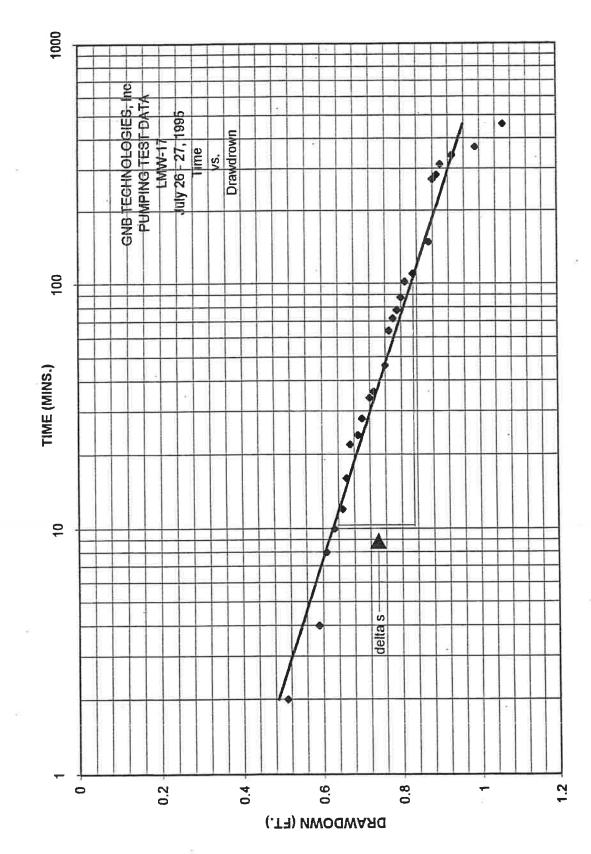
m = the aquifer thickness = 4.5 feet

therefore:

K = T/m

$$K = 11,116/4.5$$

K = 2,470 gpd/ft = 0.1165 cm/sec



GNB PUMPING TEST LMW-17

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