

KATHLEEN BRADLEY

Property address: 12826 Shiloh Church Road
Houston, Texas 77066

Mailing address: 1431 Wirt Road, Suite 104
Houston, TX 77055

Phone (281) 650-2102
Fax (866) 221-0220

February 19, 2016

Bridget C. Bohac, Chief Clerk
TCEQ, MC-105
P.O. Box 13087
Austin, TX 78711-3087

Vic McWherter, Attorney
Texas Commission on Environmental Quality
Public Interest Counsel, MC-103
P.O. Box 13087
Austin, TX 78711-3087

Alicia Ramirez, Staff Attorney
Texas Commission on Environmental Quality
Environmental Law Division, MC-173
P.O. Box 13087
Austin, TX 78711-3087

Jose Alfonso Martinez, Technical Staff
Texas Commission on Environmental Quality
Water Quality Division, MC-148
P.O. Box 13087
Austin, TX 78711-3087

Brian Christian, Director
Texas Commission on Environmental Quality
Environmental Assistance Division, MC-108
P.O. Box 13087
Austin, TX 78711-3087

CHIEF CLERKS OFFICE

2016 FEB 22 PM 3:05

TEXAS
COMMISSION
ON ENVIRONMENTAL
QUALITY

Mike Jarrar
Jarrar Holdings, LLC
9119 Emmott Road
Houston, TX 77040-3513

George H. Neill
George H. Neill & Associates, Inc.
P.O. Box 512
Stafford, TX 77497-0512

RE:

TEXAS
COMMISSION
ON ENVIRONMENTAL
QUALITY
2016 FEB 22 PM 3:06
CHIEF CLERKS OFFICE

TPDES PERMIT NO. WQ0015299001
TCEQ DOCKET NO. 2015-1708-MWD
JARRAR HOLDINGS, LLC, APPLICANT

SUPPLEMENTAL INFORMATION REMITTED BY MS. KATHLEEN BRADLEY,
REQUESTOR, Adjacent Property owner: 12826 Shiloh Church Road, Houston, TX 77066, and
Affected Party

Both the Public Interest Council and Executive Director have recommended that there be a hearing, I have been advised to add additional information that might be relevant. After reviewing the material sent to me, I note the following:

“Comments and Responses”, Comment No. 1:

The Executive Director’s response, quoted the Applicant’s representation that there are “no surface water intakes for domestic drinking water supplies within five miles downstream of the proposed outfall”.

I have personal knowledge of water wells used for drinking water on properties that are located between the Applicant and the end of his proposed outfall, well within a five mile range of Applicant’s plant, downstream. I conducted a cursory search of the Harris County Well Permits to

provide official documentation of said wells, and found multiple wells downstream or adjacent to, Applicant's proposed outfall path. Some of those permits (first page only) are attached. Note these permits are not indexed and have to be searched manually, and of note is that I could not locate one for my own well, which I know was permitted and is in place and used for domestic purposes. It is not likely that it is the only one in the area whose location and relevant information is difficult to access, rendering it nonexistent to the cursory reviewer.

Please note that the name of the road changed to "Hollister" from "Duncan" around the time the Hollister MUD District began to provide local water services. Also please note Applicant's property stretches east-west from Hollister to Shiloh Church Road. Any properties in this locale occupied prior to the Hollister MUD District operations, have wells, or no water access. I have firsthand knowledge of at least two homes on Hollister and four on Shiloh Church, have wells used for domestic drinking water. Further, at least one business on Hollister, directly adjacent and downstream from the Applicant, includes a restaurant that provides food and beverages to the public, including drinking water. Also please note some of the businesses in the area are in fact occupied as residences, so are mixed business/residential use properties, whose private wells are the sole sources of water, used for domestic and commercial purposes.

Location of Outfall issue and Comment No. 2 Response:

Attachments "D" and "E": There are discrepancies in the location of the proposed outfall path in the rendering submitted by Applicant and the Map requested by the TCEQ Office of Legal Services for Commissioner's Agenda. This is significant as the Point of Origin location is not shown in relation to required buffer zones for odor or proximity to domestic or public water wells.

If the Point of Origin indicated on the TCEQ Office of Legal Services for Commissioner's Agenda map of the property is correct, the Point of Origin is on the North edge of Applicant's property, and presuming there are no water well proximity issues in that location, and all private wells are located more than 250' away (I did not look up these specifically, but saw several permits pulled for locations on FM 1960, so that might be an issue), the Applicant does not meet the odor buffer zone requirement as to the northern adjacent properties. If however, the point of Origin is centrally located on Applicant's property, it is within easy line eye sight of my sole source of water, used for domestic drinking, thus an issue of fact as to whether or not it is located within 250' of my private well or any other well (of note, the one located on the adjacent property facing Hollister), or a minimum 150' from the property line to meet the odor abatement buffer requirement. According to Google Maps, Applicant's property is 300' wide from north to south property lines (the southern boundary of that measure is also my property line). It is unlikely the Point of Origin will have zero diameter, thus likely falls within the odor buffer zone on one side of the property or the other. I have no reasonable means to get an exact measure from my property line or my well, as Applicant's point of Origin is not marked or staked on the property, I have not asked for permission to enter and none has been offered so that I might attempt to measure, and the exhibits indicating location provide variations that in this instance, are significant.

Attached please find Well Permits that contradict Applicant's statement that "there are no surface water intakes for domestic drinking water supplies within five miles downstream of the proposed outfall". There are more but I think this is sufficient to make the point that Applicant has made this, and possibly other representations, that are inaccurate, on the application.

Please note that I do not oppose the Applicant's request for a permit, nor the proposed use of the property, but I strenuously oppose a permit granted for a treatment facility or land use that might contaminate my drinking water or cause odor that would interfere with the use and enjoyment of my property.

**State of Texas
WELL REPORT**

Texas Department of Licensing & Regulation
P.O. Box 19887
Austin, TX 78711
812-482-7800

1) OWNER: ARC LTD ADDRESS: 12811 Duncan Rd Houston Tx 77066

2) ADDRESS OF WELL'S LOCATION: County: Harris Co City: Same State: TX ZIP: 77066 GEN # 1251013

3) TYPE OF WORK (Check):
 New Well Deepening
 Reconditioning Plugging
 Industrial Injection Pesticide Supply Decontaminating Testout
 Public Supply well where state submitted to the TNR007 Yes No

4) WELL LOG:
 Date Drilled: 3-15-2002
 Status: 3-16-2002
 Completed: 3-16-2002

DIAMETER OF HOLE		
Old (ft)	From (ft)	To (ft)
	Surface	50'

5) DRILLING METHOD (CHECK):
 Driven Air Rotary Mud Rotary Sored
 Air Hammer Grate Tool Juted
 Other

6) Borehole Completion (CHECK):
 Open Hole Sealed Well
 Unrestricted General Purpose Other Complete
 If General Purpose give interval from _____ ft. to _____ ft.

From (ft)	To (ft)	Description and color of formation material
0	3.0	CLAY & Sand
3.0	5.0	CLAY
5.0	10.0	CLAY
10.0	11.0	CLAY
11.0	13.0	CLAY
13.0	18.0	CLAY & Sand
18.0	18.2	ROCK
18.2	22.0	CLAY & Sand
22.0	23.0	ROCK
23.0	27.0	CLAY & Sand
27.0	27.8	ROCK
27.8	28.0	CLAY
28.0	28.5	CLAY

7) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in)	Type (in)	Steel, Plastic, etc. Screen type, if commercial	From	To	Depth (ft)	Log Coring Screen
4	N	PVC Well casing	0	185	185	50'
2 1/2	N	PVC Blank Pipe	185	285	285	50'
2 1/2	N	PVC Screened Casing	285	295	295	10'
2 1/2	N	PVC Screened Casing	295	301	301	100'

8) CEMENTING DATA:
 Connections: 185 to 150 ft. No cement used 9
10 ft. No cement used 1
 Method used: Self
 Cemented by: Self
 Disposition of pipe system (if different from general completion) 110 ft
 Method of well tests or a log (if any) Pressure Transducer
RECEIVED

9) TYPE PUMP:
 Turbine AR Submersible Other
 Other
 Depth to pump intake, in (ft), in (in): 220'

10) SURFACE COMPLETION:
 Sewer Surface Slope Indicator
 Special Steel Screen Indicator
 PMS Adapter Used
 Applicable Alternative Protection Used
 JUN 0 8 2002

11) WATER LEVEL:
 Static level: 144' Date: 3-16-02
 Artesian flow: _____ Date: _____

12) PACKERS:
 Type: K-Packer Depth: 281'

13) WATER QUALITY:
 Did you recently encounter any of the following conditions related to well water?
 Yes No Eyes, odors, REPORT OF UNDESIRABLE WATER
 Type of water: _____
 Was a chemical analysis made? Yes No

I certify that I listed the work for the well was drilled under my direct supervision and that each and all of the statements herein are true and correct. I understand that failure to complete items 1 thru 8 will result in our being held liable for negligence and punishment.

COMPANY NAME: Hildebrandt's Water Wells WELL DRILLER'S LICENSE NO.: 2195W
 ADDRESS: 21802 Rhodes Rd. Spring TX 77388
 (Signed) Boyd Hildebrandt (Registered State Technician)

Please check electric log, chemical analysis, and other pertinent information, if available.

TDLR FORM 09-0000 (08/01) FORM - 701-R PUMP - DRILLER PMS - WELL OWNER

**State of Texas
WELL REPORT**

Texas Water Well Driller Advisory Council
P.O. Box 13067
Austin, TX 78711-3067
512-228-9930

1) OWNER: Berry Franchas ADDRESS: 6223 Theal Rd Houston Tx 77066

2) ADDRESS OF WELL: Harris COUNTY: 6223 Theal Rd Houston Tx 77066 GRID # 65-04-3

3) TYPE OF WORK (Check):
 New Well Deepening Reconditioning Plugging

4) PROPOSED USE (Check):
 Irrigation Injection Private Supply Geothermal Tailwater
 If Private Supply well, were plans submitted to the THRCO? Yes No

5) WELL LOG:
 Date Drilling: 9-30-95
 Started: 9-30-95
 Completed: 10-31-95

DIAMETER OF HOLE		
Dr. (in.)	From (ft.)	To (ft.)
4"	Surface	2.68
4 1/2"	2.68	2.95

7) DRILLING METHOD (Check):
 Air Rotary Air Rotary Bored
 Auger Cable Tool Jetted
 Other

8) Borehole Completion (Check):
 Open Hole Straight Well
 Unfinished Gravel Pack Other 3 string
 If Gravel Pack give material, from _____ ft. to _____ ft.

9) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Casing or Screen (in.)	Type of Casing or Screen	Over Plastic, etc. Part, etc. (in.)	Setting (ft.)		Casing or Screen
			From	To	
8"	N	504 40 PVC	4.2	2.68	
2 1/2"	N	504 40 PVC	2.68	2.75	
3 1/2"	N	504 40 PVC	2.75	2.95	1.013

10) CEMENTING DATA (Per 308-44(1))
 Cemented from surface to 2.68 ft. No. of sacks used 44
 Method used pressure cemented in 8 1/2 gal
 Cemented by Dallier
 Quantity of cement used 1000 lb.
 Method of verification of above data Engineer plans

11) CEMENTATION SIGNATURE: _____

12) SURFACE COMPLETION:
 Specified Surface Slab Installed (Per 308-44(1)(A))
 Specified Base Slab Installed (Per 308-44(1)(A))
 Filter Adapter Used (Per 308-44(1)(B))
 Approved Alternative Procedure Used (Per 308-44(1)(C))

13) WATER LEVEL:
 Static level 1.77 ft. below land surface Date 9-31-95
 Artesian level _____ ft. Date _____

14) PACKERS:
 Type R packer Depth 3.85 3.63

15) WATER QUALITY:
 Did you knowingly generate any effluent which contained waterborne contaminants?
 Yes No If yes, submit "REPORT OF UNDERGROUND WATER"
 Type of water? _____ Depth of strata? _____
 Was a chemical analysis made? Yes No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 14 will result in the log(s) being returned for completion and resubmission.

COMPANY NAME: Johnston's Water Well Service, Inc. WELL DRILLER'S LICENSE NO.: 2778 WJ

ADDRESS: 28414 Calvert Rd Tomball Tx 77375

(Signed) Ray K. Johnson (Licensed Well Driller) (Signed) _____ (Registered Geologist)

Please see attached specific log, chemical analysis, and other pertinent information, if available.

STATE OF TEXAS
WATER WELL REPORT

Some original copies by permission are loaned to the Texas Department of Water Resources, P. O. Box 19888, Austin, Texas 78714. For TDRW use only. Well No. 65-002-33 Located on map 65-002-33 Received 8/28/79

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

OWNER Harris County W.C.P.D. 109 Address 46 E. Cherry St. 77011 County Harris State Texas

LOCATION OF WELL: COUNTY Harris SECTION 11 RANGE 10N TOWNSHIP 10N

Driller must complete the legal description to the right with bearings and distances from two intersecting side lines of survey lines, or its most recent and identify the well on an official County or Health-State Form County Survey Map and attach it to this form.

Legal description: Section No. _____ Range No. _____ Township _____
Abstract No. _____ Survey Name _____
Bearing and direction from two intersecting sections of survey lines _____

See attached map.

I TYPE OF WORK (check):
 Drilling Drilling Drilling Drilling
 Rehabilitation Flushing Pumping Other

II PROPOSED USE (check):
 Domestic Industrial Water Supply
 Irrigation Test Well Other

III DRILLING METHOD (check):
 Hand Driven Air Hammer Drive Bored
 Air Rotary Core Tool Jetted Other

IV WELL LOG: Well No. 109 Date drilled 8/21/79

DIAMETER OF HOLE		From Well To (ft.)
Dis. (ft.)	Surface	
12"	12"	0 to 10
12"	12"	10 to 15
12"	12"	15 to 20
12"	12"	20 to 25
12"	12"	25 to 30
12"	12"	30 to 35
12"	12"	35 to 40
12"	12"	40 to 45
12"	12"	45 to 50
12"	12"	50 to 55
12"	12"	55 to 60
12"	12"	60 to 65
12"	12"	65 to 70
12"	12"	70 to 75
12"	12"	75 to 80
12"	12"	80 to 85
12"	12"	85 to 90
12"	12"	90 to 95
12"	12"	95 to 100

V RENEWABLE COMPLETION:
 Open Hole Stringer Well Cased and Grouted
 Open Packset Other _____
 If Gravel Packset give interval: from 4.5' to 5.5' ft.

VI CASING, BLANK PIPE, AND WELL SCREEN DATA:

Sta. (ft.)	Diam. (in.)	Material, grade, etc.	Setting (ft.)		Depth Below Ground
			From	To	
0	12"	Steel casing	0	4.5'	4.5'
4.5'	12"	Steel blank pipe	4.5'	5.5'	5.5'
5.5'	12"	Steel blank pipe	5.5'	7.0'	7.0'
7.0'	12"	Steel blank pipe	7.0'	8.5'	8.5'
8.5'	12"	Steel blank pipe	8.5'	10.0'	10.0'
10.0'	12"	Steel blank pipe	10.0'	11.5'	11.5'
11.5'	12"	Steel blank pipe	11.5'	13.0'	13.0'
13.0'	12"	Steel blank pipe	13.0'	14.5'	14.5'
14.5'	12"	Steel blank pipe	14.5'	16.0'	16.0'
16.0'	12"	Steel blank pipe	16.0'	17.5'	17.5'
17.5'	12"	Steel blank pipe	17.5'	19.0'	19.0'
19.0'	12"	Steel blank pipe	19.0'	20.5'	20.5'
20.5'	12"	Steel blank pipe	20.5'	22.0'	22.0'
22.0'	12"	Steel blank pipe	22.0'	23.5'	23.5'
23.5'	12"	Steel blank pipe	23.5'	25.0'	25.0'
25.0'	12"	Steel blank pipe	25.0'	26.5'	26.5'
26.5'	12"	Steel blank pipe	26.5'	28.0'	28.0'
28.0'	12"	Steel blank pipe	28.0'	29.5'	29.5'
29.5'	12"	Steel blank pipe	29.5'	31.0'	31.0'
31.0'	12"	Steel blank pipe	31.0'	32.5'	32.5'
32.5'	12"	Steel blank pipe	32.5'	34.0'	34.0'
34.0'	12"	Steel blank pipe	34.0'	35.5'	35.5'
35.5'	12"	Steel blank pipe	35.5'	37.0'	37.0'
37.0'	12"	Steel blank pipe	37.0'	38.5'	38.5'
38.5'	12"	Steel blank pipe	38.5'	40.0'	40.0'
40.0'	12"	Steel blank pipe	40.0'	41.5'	41.5'
41.5'	12"	Steel blank pipe	41.5'	43.0'	43.0'
43.0'	12"	Steel blank pipe	43.0'	44.5'	44.5'
44.5'	12"	Steel blank pipe	44.5'	46.0'	46.0'
46.0'	12"	Steel blank pipe	46.0'	47.5'	47.5'
47.5'	12"	Steel blank pipe	47.5'	49.0'	49.0'
49.0'	12"	Steel blank pipe	49.0'	50.5'	50.5'
50.5'	12"	Steel blank pipe	50.5'	52.0'	52.0'
52.0'	12"	Steel blank pipe	52.0'	53.5'	53.5'
53.5'	12"	Steel blank pipe	53.5'	55.0'	55.0'
55.0'	12"	Steel blank pipe	55.0'	56.5'	56.5'
56.5'	12"	Steel blank pipe	56.5'	58.0'	58.0'
58.0'	12"	Steel blank pipe	58.0'	59.5'	59.5'
59.5'	12"	Steel blank pipe	59.5'	61.0'	61.0'
61.0'	12"	Steel blank pipe	61.0'	62.5'	62.5'
62.5'	12"	Steel blank pipe	62.5'	64.0'	64.0'
64.0'	12"	Steel blank pipe	64.0'	65.5'	65.5'
65.5'	12"	Steel blank pipe	65.5'	67.0'	67.0'
67.0'	12"	Steel blank pipe	67.0'	68.5'	68.5'
68.5'	12"	Steel blank pipe	68.5'	70.0'	70.0'
70.0'	12"	Steel blank pipe	70.0'	71.5'	71.5'
71.5'	12"	Steel blank pipe	71.5'	73.0'	73.0'
73.0'	12"	Steel blank pipe	73.0'	74.5'	74.5'
74.5'	12"	Steel blank pipe	74.5'	76.0'	76.0'
76.0'	12"	Steel blank pipe	76.0'	77.5'	77.5'
77.5'	12"	Steel blank pipe	77.5'	79.0'	79.0'
79.0'	12"	Steel blank pipe	79.0'	80.5'	80.5'
80.5'	12"	Steel blank pipe	80.5'	82.0'	82.0'
82.0'	12"	Steel blank pipe	82.0'	83.5'	83.5'
83.5'	12"	Steel blank pipe	83.5'	85.0'	85.0'
85.0'	12"	Steel blank pipe	85.0'	86.5'	86.5'
86.5'	12"	Steel blank pipe	86.5'	88.0'	88.0'
88.0'	12"	Steel blank pipe	88.0'	89.5'	89.5'
89.5'	12"	Steel blank pipe	89.5'	91.0'	91.0'
91.0'	12"	Steel blank pipe	91.0'	92.5'	92.5'
92.5'	12"	Steel blank pipe	92.5'	94.0'	94.0'
94.0'	12"	Steel blank pipe	94.0'	95.5'	95.5'
95.5'	12"	Steel blank pipe	95.5'	97.0'	97.0'
97.0'	12"	Steel blank pipe	97.0'	98.5'	98.5'
98.5'	12"	Steel blank pipe	98.5'	100.0'	100.0'

VII CEMENTING DATA:
 Cemented from surface to 4.5'
 Method used Hand trowel
 Cemented by Owner
 (Company or contractor)

VIII WATER LEVEL:
 Static level 3.3' ft. below ground surface Date 9/24/79
 Artesian flow _____ ft. Date _____

IX PACKERS: Type _____ Depth None

X TYPE PUMP: (P/N) _____
 Reciprocating Jet Submersible Centrifugal
 Other _____
 Depth to pump bowl, cylinder, jet, etc. _____ ft.

XI WATER QUALITY:
 Does your property produce any water which contained undesirable matter? Yes No
 If yes, submit "REPORT OF UNDESIRABLE WATER"
 Type of matter? _____ Report of matter _____
 Was a chemical analysis made? Yes No

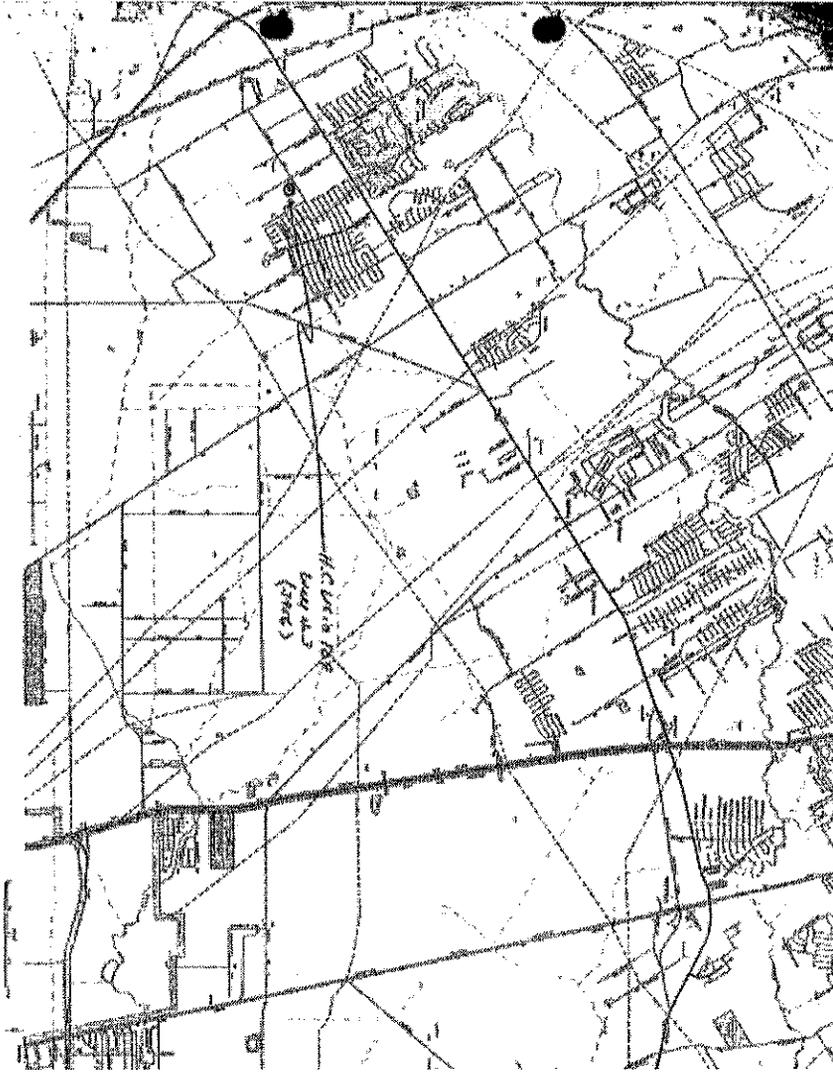
XII WELL TESTS:
 Pump Test Slug Test Jetted Edgetest
 Yield 1.2 gpm per inch 2 1/2" ft. drawdown after 15 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME L. L. Lamm License No. 204 Water Well Driller Registration No. _____
 ADDRESS P.O. Box 9465 City Houston State Texas Zip 77011
 (Signed) L. L. Lamm License No. 204

Please attach test logs, chemical analysis, and other pertinent information, if available.

TDRW 6508 (Rev. 1-12-79) DEPARTMENT OF WATER RESOURCES COPY L.D.



ATTENTION OWNER: Confidentially Privilege Notice on Reverse Side		State of Texas WELL REPORT		Texas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78711	
1) OWNER <u>Bayer Construction</u> (Name)		ADDRESS <u>12200 Duncan Houston TX</u> (Street or RFD) (City) (State) (Zip)			
2) LOCATION OF WELL: County <u>Harris</u> _____ miles in <u>North</u> direction from <u>Jersey Village</u> (Town)					
Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.					
LEGAL DESCRIPTION: Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____ Distance and direction from two intersecting section or survey lines _____					
<input checked="" type="checkbox"/> SEE ATTACHED MAP <u>6059222 110 MAP</u>					
3) TYPE OF WORK (Check): <input type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection <input type="checkbox"/> De-Watering		5) DRILLING METHOD (Check): <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other _____	
6) WELL LOG: Date Drilling: _____ Started <u>8-18</u> 19 <u>93</u> Completed <u>8-19</u> 19 <u>93</u>		DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) <u>6 3/4</u> <u>Surface</u> <u>220</u> <u>4 3/4</u> <u>220</u> <u>290</u>		7) BOREHOLE COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underscreened <input type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Other <u>2 string</u> If Gravel Packed give interval ... from _____ ft. to _____ ft.	
From (ft.) To (ft.) Description and color of formation material		8) CASING, BLANK PIPE, AND WELL SCREEN DATA:			
		Dia. (in.) New or Used		Steel, Plastic, etc. Part., Slotted, etc. Screen Mfg., if commercial	
				Setting (ft.)	
				From To	
				Casing Casing Screen	
0-2 Fill					
2-4 Top Soil					
4-15 Red & Gray Clay		4 N Sch 40 PVC		72 230	
15-24 Sand		2 1/2 N Sch 40 PVC		238 260	
24-100 Red & Gray Clay		2 1/2 N slotted PVC		260 290 .008	
100-110 sand - fine					
110-114 clay					
114-123 Sand					
123-140 clay w/ small streaks					
140-200 Sand					
over (Use reverse side if necessary)					
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc. <u>200</u>		9) CEMENTING DATA (Rule 287.44(1)) Cemented from <u>71</u> ft. to <u>230</u> ft. No. of Sacks Used <u>17</u> Method used <u>Pressure cemented in 10% gel</u> Cemented by <u>Kerry Johnston</u> NOV 18 1993			
14) WELL TESTS: Type Test: <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailor <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: <u>15</u> gpm with <u>15</u> ft. drawdown after <u>1</u> hrs.		10) SURFACE COMPLETION: <input type="checkbox"/> Special Surface Slip Installed (Rule 287.44(2)(A)) <input type="checkbox"/> Special Steel Sleeve Installed (Rule 287.44(3)(A)) <input type="checkbox"/> Pileless Adapter Used (Rule 287.44(3)(B)) <input type="checkbox"/> Approved Alternative Procedure Used (Rule 287.71)			
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input type="checkbox"/> No		11) WATER LEVEL: Static level <u>149"</u> ft. below land surface Date <u>8-19-93</u> Artesian flow _____ gpm. Date _____			
		12) PACKERS: Type Depth <u>K Packer</u> <u>2 X 4</u> <u>215"</u>			
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and re-audit.					
COMPANY NAME <u>Johnston's Water Well Service</u> (Type or print)		WELL DRILLER'S LICENSE NO. <u>2778 WI</u>			
ADDRESS <u>28414 Cabot Rd. Tomball TX 77325</u> (Street or RFD) (City) (State) (Zip)					
(Signed) <u>Kerry Johnston</u> (Licensed Well Driller)		(Signed) _____ (Registered Driller Trainee)			
Please attach electric log, chemical analysis, and other pertinent information, if available.		For TWC use only: Well No. _____ Located on map <u>05-4-3</u>			

TWC (0100) Rev. 05.18.01

Send original copy by certified return receipt and mail to: TDLR, P.O. Box 12167, Austin, TX 78711

ATTENTION OWNER: Confidentiality Privilege Notice on reverse side of Well Owner's copy (pink)		State of Texas WELL REPORT		Texas Department of Licensing & Regulation P.O. Box 12167 Austin, TX 78711 512-463-7880																																						
1) OWNER <u>A&T ENVIRONMENTAL CLEANING</u> ADDRESS <u>12000 DUNCAN RD HOUSTON, TX, 77066</u>		(Name) (Street/RFD)		N 29° 57' 53.7" W 95° 29' 5" E Long. Lat.																																						
2) ADDRESS OF WELL'S LOCATION: <u>12000 DUNCAN ROAD HOUSTON, TEXAS 77066</u>		(Street, RFD or other) (City) (State) (Zip)		Grid # <u>65-04-3</u>																																						
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5)																																						
6) WELL LOG: Date DRILLING: _____ Started <u>2/12/02</u> Completed <u>2/13/02</u>		DIAMETER OF HOLE <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Dia. (in.)</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> <tr> <td>6 3/4</td> <td>Surface</td> <td>299</td> </tr> <tr> <td>3 7/8</td> <td>299</td> <td>309</td> </tr> </table>		Dia. (in.)	From (ft.)	To (ft.)	6 3/4	Surface	299	3 7/8	299	309	7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jailed <input type="checkbox"/> Other _____																													
Dia. (in.)	From (ft.)	To (ft.)																																								
6 3/4	Surface	299																																								
3 7/8	299	309																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>Description and color of formation material</th> </tr> </thead> <tbody> <tr><td>0</td><td>4</td><td>TOP SOIL</td></tr> <tr><td>4</td><td>13</td><td>SANDY SHALE</td></tr> <tr><td>13</td><td>27</td><td>CLAY</td></tr> <tr><td>27</td><td>35</td><td>SAND</td></tr> <tr><td>35</td><td>49</td><td>SANDY SHALE</td></tr> <tr><td>49</td><td>57</td><td>CLAY</td></tr> <tr><td>57</td><td>83</td><td>SAND</td></tr> <tr><td>83</td><td>101</td><td>SHALE</td></tr> <tr><td>101</td><td>122</td><td>SAND</td></tr> <tr><td>122</td><td>151</td><td>SHALE</td></tr> <tr><td>151</td><td>163</td><td>SANDY SHALE</td></tr> <tr><td>163</td><td>181</td><td>SHALE</td></tr> </tbody> </table>		From (ft.)	To (ft.)	Description and color of formation material	0	4	TOP SOIL	4	13	SANDY SHALE	13	27	CLAY	27	35	SAND	35	49	SANDY SHALE	49	57	CLAY	57	83	SAND	83	101	SHALE	101	122	SAND	122	151	SHALE	151	163	SANDY SHALE	163	181	SHALE	8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give interval from _____ ft. to _____ ft.	
From (ft.)	To (ft.)	Description and color of formation material																																								
0	4	TOP SOIL																																								
4	13	SANDY SHALE																																								
13	27	CLAY																																								
27	35	SAND																																								
35	49	SANDY SHALE																																								
49	57	CLAY																																								
57	83	SAND																																								
83	101	SHALE																																								
101	122	SAND																																								
122	151	SHALE																																								
151	163	SANDY SHALE																																								
163	181	SHALE																																								
13) <input type="checkbox"/> Well plugged within 48 hours		CASING, BLANK PIPE, AND WELL SCREEN DATA:		9) CEMENTING DATA Connection _____ ft. to _____ ft. No. of sacks used _____ _____ ft. to _____ ft. No. of sacks used _____ Method used <u>HALLIBURTON/TRIMMIS</u> Cemented by <u>AQUAUTILITY CONSTRUCTION LP</u> Distance to septic system, field lines, or other concentrated contamination _____ ft. Method of verification of above distance _____																																						
Casing left in well: _____ Cement/bentonite placed in well: _____ Seals used: _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>From (ft.)</th> <th>To (ft.)</th> <th>Seals used</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		From (ft.)	To (ft.)	From (ft.)	To (ft.)	Seals used						10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Seal Installed <input checked="" type="checkbox"/> Specified Steel Shoes Installed <input type="checkbox"/> Plugless Adapter Used <input type="checkbox"/> Approved Alternative Procedure Used		RECEIVED TOUR MAIL ROOM MAR 12 2002 AMOUNT																												
From (ft.)	To (ft.)	From (ft.)	To (ft.)	Seals used																																						
14) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>220</u> ft.		11) WATER LEVEL: Static level <u>156</u> ft. below land surface Date <u>2/13/02</u> Artesian flow _____ gpm. Date _____																																								
15) WELL TESTS: Type test: <input type="checkbox"/> Pump <input type="checkbox"/> Soaker <input checked="" type="checkbox"/> Jailed <input checked="" type="checkbox"/> Estimated Yield: <u>30</u> gpm with _____ ft. drawdown after _____ hrs.		12) PACKERS: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Depth</th> </tr> </thead> <tbody> <tr> <td>K-PACKER</td> <td>293</td> </tr> </tbody> </table>		Type	Depth	K-PACKER	293	16) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata? _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
Type	Depth																																									
K-PACKER	293																																									
I certify that I drilled this well (or the well was drilled under my direct supervision) and that each and all of the statements herein are true and correct. I understand that failure to complete items 1 thru 10 will result in the log(s) being returned for completion and resubmittal.																																										
COMPANY NAME <u>AQUAUTILITY CONSTRUCTION LP</u> WELL DRILLER'S LICENSE NO. <u>2035WI</u> (Type or print)		ADDRESS <u>P.O. BOX 874</u> <u>TOMBALL</u> <u>TEXAS</u> <u>77377-0874</u> (Street/RFD) (City) (State) (Zip)																																								
(Signed) <u>Craig Russell</u> CRAIG RUSSELL (Proposed Well Driller)		(Signed) <u>Jason Beam</u> JASON BEAM (Registered Driller/Trainer)																																								

TDLR FORM 03-1499VD (4/98)

White - TDLR Yellow - DRILLER Pink - WELL OWNER

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side		State of Texas WELL REPORT		Texas Water Well Drillers Advisory Council P.O. Box 13087 Austin, TX 78711-3087 512-230-0530	
1) OWNER <u>Bill Hightower</u> (Name)		ADDRESS <u>12426 DUNCAN Rd. HSTN TX 77041-121</u> (Street or RFD) (City) (State) (Zip)			
2) ADDRESS OF WELL: County <u>HARRIS</u> (Street, RFD or other) (City) (State) (Zip)		GRID # <u>65-04-3</u>			
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input type="checkbox"/> Yes <input type="checkbox"/> No		5)	
6) WELL LOG: Date Drilling: <u>1-31</u> 19 <u>96</u> Completed: <u>2-1</u> 19 <u>96</u>		DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) <u>6.75</u> Surface <u>275</u> <u>3.75</u> <u>245</u> <u>275</u>		7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Other _____	
From (ft.) To (ft.) Description and color of formation material		8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give interval, from _____ ft. to _____ ft.			
0 16 TOP SOIL & CLAY		9) CASING, BLANK PIPE, AND WELL SCREEN DATA: Dia. (in.) New or Used Steel, Plastic, etc. Per., Stuffed, etc. Screen Mfg., if commercial Setting (ft.) From To Open Casing Screen <u>4</u> <u>N</u> <u>PVC</u> <u>0</u> <u>245</u> <u>2</u> <u>N</u> <u>GALVANIZED</u> <u>240</u> <u>265</u> <u>2</u> <u>N</u> <u>PVC CUMPS</u> <u>265</u> <u>275</u> <u>0.12</u>			
16 35 SILTY SAND					
35 260 CLAY SAND STREAKS					
260 275 SAND		10) CEMENTING DATA [Rule 338.44(1)] Cemented from <u>0</u> ft. to <u>15</u> ft. No. of sacks used <u>8</u> <u>195</u> ft. to <u>205</u> ft. No. of sacks used <u>3</u> Method used <u>Halliburton / Trimmer</u> Cemented by <u>Russell & Son Inc.</u> Distance to septic system field lines or other concentrated contamination _____ ft. Method of verification of above (distance) _____			
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>200</u> ft.		11) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed [Rule 338.44(2)(A)] <input checked="" type="checkbox"/> Specified Steel Sleeve Installed [Rule 338.44(3)(A)] <input type="checkbox"/> Pileless Adapter Used [Rule 338.44(3)(B)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 338.71]			
14) WELL TESTS: Type test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: <u>40</u> gpm with _____ ft. drawdown after _____ hrs.		12) WATER LEVEL: Static level <u>150</u> ft. below land surface Date <u>2-1-96</u> Artesian flow _____ gpm. Date _____			
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit 'REPORT OF UNDESIRABLE WATER' Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		12) PACKERS: Type Depth <u>K-PACKER</u> <u>240</u>			
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.					
COMPANY NAME <u>Russell & Son Inc.</u> (Type or print)		WELL DRILLER'S LICENSE NO. <u>2035</u>			
ADDRESS <u>PO Box 874</u> (Street or RFD) <u>Tomball</u> (City) <u>TEXAS</u> (State) <u>77077-0874</u> (Zip)					
(Signed) <u>raig Buena</u> (Licensed Well Driller)		(Signed) _____ (Registered Driller Trainee)			
Please attach electric log, chemical analysis, and other pertinent information, if available.					

12.6.93

Send a report copy by certified mail to the Texas Department of Water Resources, P. O. Box 13087, Austin, Texas 78711

State of Texas
WATER WELL REPORT

For TWR use only
Well No. 25-29-21
Located in SWP 15
District 21

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Strategic Unlimited Address 2602 Ridge Hollow Blvd. W. 76067
(Name of Owner) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: Chavira 4 miles N North direction from Jerry Village
(County) (Miles N, E, S, W, or I) (Town)

3) Legal description: Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Type _____
Distance and direction from two intersecting sections of survey feet _____

4) TYPE OF WORK (check):
 New Well Drilling Domestic Industrial Public Supply
 Reconditioning Plugging Irrigation Past Use Other _____

5) PROPOSED USE (check):
 Domestic Industrial Public Supply
 Irrigation Past Use Other _____

6) DRILLING METHOD (check):
 Mud Rotary Air Hammer Shot Rod
 Air Rotary Cable Tool Rammed Other _____

7) WELL LOG:
Date started 3-15-93

8) SCREENHOLE COMPLETION:
 Open Hole Straight Wall Underreamed
 Gravel Packed Other _____
If Gravel Packed give interval _____ ft. to _____ ft.

9) CASTING, BLANK PIP, AND WELL SCREEN DATA:

Depth (ft.)	To (ft.)	Description and color of formation	Pipe or blank (in.)	Screen (in.)	Pipe, Plastic, etc. Part, Material, etc. of connection	Screen (ft.)		Casing (ft.)
						From	To	
0	5	Soil						
5	14	Clay						
14	25	Mudstone sand	4 1/2	N.P.V.C.		0	225	
25	80	Clay	2	N. Galv. Steel		220	225	
80	165	Clay	2	P.V.C.		225	225	0.06
165	172	Clay						
172	235	Soil						

CEMENTING DATA
Cemented from 175 ft. to 225 ft.
Method used Halliburton
Cemented by Bussell & Son, Inc.
(Company or individual)

10) WATER LEVEL:
Static level 126 ft. below land surface Date 3-16-93
Artesian flow _____ gpm Date _____

11) TYPE PUMP:
 Turbine Jet Submersible Cylindrical
 Other _____
Depth to water level, cylinder, ft. etc. 168 ft.

12) WATER QUALITY:
Has your knowledge pertains any areas which contained undesirable water? Yes No
If yes, below "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of water? _____
Was a chemical analysis made? Yes No

13) WELL TESTS:
 Type Test Pump Shut Retest Permitted
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

I hereby certify that this well was drilled by me for water my supervision and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Craig O. Bussell Water Well Driller Registration No. 2035
ADDRESS P.O. Box 874 Tomball Texas 77375
(Name or RFD) (City) (State) (Zip)
Signed Craig Bussell BUSSELL & SON, INC.
(Name of Driller) (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

RECEIVED
SEP 12 1993
DEPT. OF
WATER RESOURCES

TWR-4094 (Rev. 1-17-90)

WELL OWNER'S COPY

Send original copy by certified mail to: Texas Water Commission, P.O. Box 12997, Austin, Texas 78711 Form No. 10-1-73

**STATE OF TEXAS
WELL REPORT**

ATTENTION: DRILLER'S Assistant
Address Number on Reverse Side Texas Water Well Driller's Board
P.O. Box 12997
Austin, Texas 78711

1) OWNER Eddie Miller ADDRESS 12204 Duncan Houston, TX 77066
(Name) (Street or P.O.) (City) (State) (Zip)

2) LOCATION OF WELL
County Harris Section 11 Range 5E Direction from Tomball
(County) (Section) (Range, S.W. 1/4) (Town)

Driller must complete the legal description below with station and direction from any intervening section or survey line, or the next state west of the well on an official map of the State of Texas County General Highway Map and attach the map to this form.

3) LEGAL DESCRIPTION:
Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____
Signatures and location from any intervening section or survey line _____
 SEE ATTACHED MAP

4) TYPE OF WORK (Check):
 Drilling Desilting Reconditioning Plugging

5) PROPOSED USE (Check):
 Domestic Industrial Irrigation Livestock Feed Water Irrigation Other _____

6) DRILLING METHOD (Check):
 Open Pit Air Rotary Cable Tool Other _____
 Hand Power Jetted Bored

7) WELL LOG:
Interval: 11-20 4B 11-21 4B
Interval: 11-21 4B 11-22 4B
Interval: 11-22 4B 11-23 4B

8) BOREHOLE COMPLETION:
 Open Hole Gravel Pack Cement Unperforated
 Gravel Pack (see Section 1) _____

9) CASING, BLANK PIPE, AND WELL SCREEN DATA:

From (ft)	To (ft)	Description and color of formation material	Size or Lead (in)	Start, Finish, etc. (ft)	Setting (ft)	Gravel Casing Screen
0-5	5-10	Top Soil				
5-10	10-20	Red Clay				
10-20	20-30	Yellow Sand Clay	4 1/2"	SEA 90 P.C.	20	250
20-30	30-40	Red Gray Clay	3 1/2"	SEA 90 P.C.	30	250
30-40	40-50	Red Clay	3 1/2"	SEA 90 P.C.	40	250
40-50	50-60	Red Clay	3 1/2"	SEA 90 P.C.	50	250
50-60	60-70	Red Clay	3 1/2"	SEA 90 P.C.	60	250
60-70	70-80	Red Clay	3 1/2"	SEA 90 P.C.	70	250
70-80	80-90	Red Clay	3 1/2"	SEA 90 P.C.	80	250
80-90	90-100	Red Clay	3 1/2"	SEA 90 P.C.	90	250
90-100	100-110	Red Clay	3 1/2"	SEA 90 P.C.	100	250
100-110	110-120	Red Clay	3 1/2"	SEA 90 P.C.	110	250
110-120	120-130	Red Clay	3 1/2"	SEA 90 P.C.	120	250
120-130	130-140	Red Clay	3 1/2"	SEA 90 P.C.	130	250
130-140	140-150	Red Clay	3 1/2"	SEA 90 P.C.	140	250
140-150	150-160	Red Clay	3 1/2"	SEA 90 P.C.	150	250
150-160	160-170	Red Clay	3 1/2"	SEA 90 P.C.	160	250
160-170	170-180	Red Clay	3 1/2"	SEA 90 P.C.	170	250
170-180	180-190	Red Clay	3 1/2"	SEA 90 P.C.	180	250
180-190	190-200	Red Clay	3 1/2"	SEA 90 P.C.	190	250
190-200	200-210	Red Clay	3 1/2"	SEA 90 P.C.	200	250
200-210	210-220	Red Clay	3 1/2"	SEA 90 P.C.	210	250
210-220	220-230	Red Clay	3 1/2"	SEA 90 P.C.	220	250
220-230	230-240	Red Clay	3 1/2"	SEA 90 P.C.	230	250
230-240	240-250	Red Clay	3 1/2"	SEA 90 P.C.	240	250
240-250	250-260	Red Clay	3 1/2"	SEA 90 P.C.	250	250
250-260	260-270	Red Clay	3 1/2"	SEA 90 P.C.	260	250
260-270	270-280	Red Clay	3 1/2"	SEA 90 P.C.	270	250
270-280	280-290	Red Clay	3 1/2"	SEA 90 P.C.	280	250
280-290	290-300	Red Clay	3 1/2"	SEA 90 P.C.	290	250
290-300	300-310	Red Clay	3 1/2"	SEA 90 P.C.	300	250
300-310	310-320	Red Clay	3 1/2"	SEA 90 P.C.	310	250
310-320	320-330	Red Clay	3 1/2"	SEA 90 P.C.	320	250
320-330	330-340	Red Clay	3 1/2"	SEA 90 P.C.	330	250
330-340	340-350	Red Clay	3 1/2"	SEA 90 P.C.	340	250
340-350	350-360	Red Clay	3 1/2"	SEA 90 P.C.	350	250
350-360	360-370	Red Clay	3 1/2"	SEA 90 P.C.	360	250
360-370	370-380	Red Clay	3 1/2"	SEA 90 P.C.	370	250
370-380	380-390	Red Clay	3 1/2"	SEA 90 P.C.	380	250
380-390	390-400	Red Clay	3 1/2"	SEA 90 P.C.	390	250
390-400	400-410	Red Clay	3 1/2"	SEA 90 P.C.	400	250
400-410	410-420	Red Clay	3 1/2"	SEA 90 P.C.	410	250
410-420	420-430	Red Clay	3 1/2"	SEA 90 P.C.	420	250
420-430	430-440	Red Clay	3 1/2"	SEA 90 P.C.	430	250
430-440	440-450	Red Clay	3 1/2"	SEA 90 P.C.	440	250
440-450	450-460	Red Clay	3 1/2"	SEA 90 P.C.	450	250
450-460	460-470	Red Clay	3 1/2"	SEA 90 P.C.	460	250
460-470	470-480	Red Clay	3 1/2"	SEA 90 P.C.	470	250
470-480	480-490	Red Clay	3 1/2"	SEA 90 P.C.	480	250
480-490	490-500	Red Clay	3 1/2"	SEA 90 P.C.	490	250
490-500	500-510	Red Clay	3 1/2"	SEA 90 P.C.	500	250
500-510	510-520	Red Clay	3 1/2"	SEA 90 P.C.	510	250
510-520	520-530	Red Clay	3 1/2"	SEA 90 P.C.	520	250
520-530	530-540	Red Clay	3 1/2"	SEA 90 P.C.	530	250
530-540	540-550	Red Clay	3 1/2"	SEA 90 P.C.	540	250
540-550	550-560	Red Clay	3 1/2"	SEA 90 P.C.	550	250
550-560	560-570	Red Clay	3 1/2"	SEA 90 P.C.	560	250
560-570	570-580	Red Clay	3 1/2"	SEA 90 P.C.	570	250
570-580	580-590	Red Clay	3 1/2"	SEA 90 P.C.	580	250
580-590	590-600	Red Clay	3 1/2"	SEA 90 P.C.	590	250
590-600	600-610	Red Clay	3 1/2"	SEA 90 P.C.	600	250
600-610	610-620	Red Clay	3 1/2"	SEA 90 P.C.	610	250
610-620	620-630	Red Clay	3 1/2"	SEA 90 P.C.	620	250
620-630	630-640	Red Clay	3 1/2"	SEA 90 P.C.	630	250
630-640	640-650	Red Clay	3 1/2"	SEA 90 P.C.	640	250
640-650	650-660	Red Clay	3 1/2"	SEA 90 P.C.	650	250
650-660	660-670	Red Clay	3 1/2"	SEA 90 P.C.	660	250
660-670	670-680	Red Clay	3 1/2"	SEA 90 P.C.	670	250
670-680	680-690	Red Clay	3 1/2"	SEA 90 P.C.	680	250
680-690	690-700	Red Clay	3 1/2"	SEA 90 P.C.	690	250
690-700	700-710	Red Clay	3 1/2"	SEA 90 P.C.	700	250
700-710	710-720	Red Clay	3 1/2"	SEA 90 P.C.	710	250
710-720	720-730	Red Clay	3 1/2"	SEA 90 P.C.	720	250
720-730	730-740	Red Clay	3 1/2"	SEA 90 P.C.	730	250
730-740	740-750	Red Clay	3 1/2"	SEA 90 P.C.	740	250
740-750	750-760	Red Clay	3 1/2"	SEA 90 P.C.	750	250
750-760	760-770	Red Clay	3 1/2"	SEA 90 P.C.	760	250
760-770	770-780	Red Clay	3 1/2"	SEA 90 P.C.	770	250
770-780	780-790	Red Clay	3 1/2"	SEA 90 P.C.	780	250
780-790	790-800	Red Clay	3 1/2"	SEA 90 P.C.	790	250
790-800	800-810	Red Clay	3 1/2"	SEA 90 P.C.	800	250
800-810	810-820	Red Clay	3 1/2"	SEA 90 P.C.	810	250
810-820	820-830	Red Clay	3 1/2"	SEA 90 P.C.	820	250
820-830	830-840	Red Clay	3 1/2"	SEA 90 P.C.	830	250
830-840	840-850	Red Clay	3 1/2"	SEA 90 P.C.	840	250
840-850	850-860	Red Clay	3 1/2"	SEA 90 P.C.	850	250
850-860	860-870	Red Clay	3 1/2"	SEA 90 P.C.	860	250
860-870	870-880	Red Clay	3 1/2"	SEA 90 P.C.	870	250
870-880	880-890	Red Clay	3 1/2"	SEA 90 P.C.	880	250
880-890	890-900	Red Clay	3 1/2"	SEA 90 P.C.	890	250
890-900	900-910	Red Clay	3 1/2"	SEA 90 P.C.	900	250
900-910	910-920	Red Clay	3 1/2"	SEA 90 P.C.	910	250
910-920	920-930	Red Clay	3 1/2"	SEA 90 P.C.	920	250
920-930	930-940	Red Clay	3 1/2"	SEA 90 P.C.	930	250
930-940	940-950	Red Clay	3 1/2"	SEA 90 P.C.	940	250
940-950	950-960	Red Clay	3 1/2"	SEA 90 P.C.	950	250
950-960	960-970	Red Clay	3 1/2"	SEA 90 P.C.	960	250
960-970	970-980	Red Clay	3 1/2"	SEA 90 P.C.	970	250
970-980	980-990	Red Clay	3 1/2"	SEA 90 P.C.	980	250
980-990	990-1000	Red Clay	3 1/2"	SEA 90 P.C.	990	250

10) TYPE PUMP:
 Turbine Jet Centrifugal Other _____
Depth to drive tank, cylinder, etc. 200 ft.

11) WELL TESTS:
Type Test: Flow Slug Constant Drawdown
Yield: 100 gpm with 10 ft. drawdown after 1 hr.

12) WATER QUALITY:
Does this generally describe why water which contained undesirable constituent?
 Yes No
Type of water? _____
Was a chemical analysis made? Yes No

13) WATER LEVEL:
Static level: 146 ft. below land surface Date: 11-21-73
Pumping level: _____ Date: _____

14) PACKERS:
Type: K-Pack Depth: 245-1

15) DRILLING DATA (Form DW-407):
Drill Rate: 77 ft. in 230 min. No. of Tests Used: 23
Mud used: Pressure Cemented by 10% gel
Cemented by: Kerry Johnston

16) SURFACE COMPLETION:
 Surface Valve Installed (Form DW-407A)
 Wellhead Valve Installed (Form DW-407B)
 Pressure Alternative Installed (Form DW-407C)
 Approved Alternative Procedure Used (Form DW-407D)

17) SIGNATURES:
Company Name: Johnston's Water Well Ser. WELL DRILLER'S LICENSE NO. 277 DWL
Address: 2844 Calvert Rd Tomball TX 77375
Signature: Kerry Johnston (Driller) _____ (Inspector)

Please attach geologic, chemical analysis, and other pertinent information, if available. For TWC use only: Well No. _____ 1. Drilled on top 65-1-3

TXW-1189 (Rev. 05-18-70) TEXAS WATER COMMISSION COPY

WELL REPORT

1) WELL IDENTIFICATION AND LOCATION DATA

OWNER

Name: Jose Castillo Address: 6014 Villa Hills City: Houston State: Tx Zip: 77066

2) WELL LOCATION

County: Harris Physical Address: 12310 Shiloh Church City: Houston State: Tx Zip: 77066

3) Type of Work

New Well Reconditioning Replacement Deepening

4) Proposed Use (check) Monitor Environmental Soil Boring Domestic Industrial Irrigation Injection Public Supply De-watering Testwell Rig Supply

If Public Supply well, were plans submitted? Yes No

5) NT

6) Drilling Date

Started: 5/19/01 Completed: 5/20/01

7) Drilling Method (check) Driven Air Rotary Mud Rotary Bored Air Hammer Cable Tool Jetted Other

Diameter of Hole

Dia. (in.)	From (ft)	To (ft)
<u>6 3/4</u>	<u>Surface</u>	<u>310</u>
<u>4 3/4</u>	<u>310</u>	<u>320</u>

8) Borehole Completion Open Hole Straight Wall Under-reamed Gravel Packed Other String

If Gravel Packed give the interval from ft. to ft.

Casing, Blank Pipe, and Well Screen Data

Dia. (in.)	New Or Used	Steel, Plastic, etc. Perf., Blotted, etc. Screen Mfg. if commercial	Sanding (ft)		Cage Casing Screen
			From	To	
<u>4</u>	<u>N</u>	<u>Sch 40 PVC</u>	<u>12-310</u>		
<u>2 1/2</u>	<u>N</u>	<u>Sch 40 PVC</u>	<u>305-310</u>		
<u>2 1/2</u>	<u>N</u>	<u>Sch 40 Slotted</u>	<u>310-320</u>		<u>D08</u>

9) Cementing Data

Cementing from 0 ft. to 310 ft. # of sacks used 31

Method Used Pressure Cementing By Driller

Distance to septic system field or other concentrated contamination N/A

Method of verification of above distance NO SEPTIC YET

13) Plugged Well plugged within 48 hours

Casing left in well: _____ Cement/Grout placed in well:

From (ft)	To (ft)	From (ft)	To (ft)	Sacks used

14) Type Pump

Turbine Jet Submersible Cylinder Other

Depth to pump bowls, cylinder, jet etc. 280 ft.

15) Water Test

Typetest Pump Baller Jetted Estimated

Yield: 25 gpm with 25 ft. drawdown after 1 hrs.

16) Water Quality

Did you knowingly penetrate a strata which contain undesirable constituents. YES NO

If yes, did you submit a REPORT OF UNDESIRABLE WATER

Type of water: _____ Depth of Strata: _____

Was a chemical analysis made Yes No

10) Surface Completion

Specified Surface Slab Installed Specified Surface Slope Installed Pitless Adapter Used Approved Alternative Procedure Used

11) Water Level

Static level 141.2 ft. below Date JUL 24 2001

Artesian Flow _____ Date _____

COMMENT: _____ Type _____ Depth _____

12) Packers

K Packer 4x2 1/2 305'

Company or individual's Name (type or print) Johnston's Water Well Serv. Lic. No. 2778WI

Address 14750 Hopper Rd. City Tomball State Tx Zip 77375

Signature Raymond R. Johnston Date 5/31/01 Signature _____ Date _____

ATTENTION OWNER: Confidentiality Privilege Notice on an reverse side of Well Owner's copy (pink)		State of Texas WELL REPORT		Texas Water Well Drillers Advisory Council MC 177 P.O. Box 13087 Austin, TX 78711-3087 512-239-0530	
1) OWNER <u>Champion Window Inc.</u> ADDRESS <u>12427 DUNCAN Rd Houston TX 77066</u>					
2) ADDRESS OF WELL: County <u>Harris</u> <u>12427 DUNCAN Rd Houston TX 77066</u> GRID # <u>625-04-3</u>					
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Erosion <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input checked="" type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5)	
6) WELL LOG: Date Drilling: Started <u>7-23-98</u> Completed <u>7-24-98</u>		DIAMETER OF HOLE Dia. (In.) From (ft.) To (ft.) <u>8 3/4</u> Surface <u>280</u> <u>4 3/4</u> <u>280</u> <u>300</u>		7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jolted <input type="checkbox"/> Other _____	
From (ft.) To (ft.) Description and color of formation material <u>0</u> <u>270</u> <u>UNION SOLIDATED</u> <u>270</u> <u>300</u> <u>SAND</u>		8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Well <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give interval ... from _____ ft. to _____ ft.			
CASING, BLANK PIPE, AND WELL SCREEN DATA:					
		Dia. (in.) New or Used Steel, Plastic, etc. Part., Slotted, etc. Screen Mfg., if commercial		Setting (ft.) From To Gage Casting Screen	
		<u>5 N SDR17</u>		<u>0</u> <u>280</u>	
		<u>3 N GALVANIZED</u>		<u>280</u> <u>300</u>	
		<u>3 N PVC SCREENS</u>		<u>280</u> <u>300</u> .014	
9) CEMENTING DATA [Rule 338.44(1)] Cemented from <u>0</u> ft. to <u>280</u> ft. No. of sacks used <u>46</u> ft. to _____ ft. No. of sacks used _____ Method used <u>Hydraulic</u> Cemented by <u>BUSSELL + SON INC.</u> Distance to septic system field lines or other concentrated contamination _____ ft. Method of verification of above distance _____					
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., _____ ft.					
14) WELL TESTS: Types: <input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: <u>80</u> gpm with _____ ft. drawdown after _____ hrs.					
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
10) SURFACE COMPLETION <input checked="" type="checkbox"/> Specified Surface Slab Installed [Rule 338.44(2)(A)] <input checked="" type="checkbox"/> Specified Steel Sleeve Installed [Rule 338.44(3)(A)] <input type="checkbox"/> Pileless Adapter Used [Rule 338.44(3)(b)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 338.71]					
11) WATER LEVEL: Static level <u>147</u> ft. below land surface Date <u>7-24-98</u> Artesian flow _____ gpm. Date _____					
12) PACKERS: Type Depth <u>K-Packer</u> <u>275</u>					
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 13 will result in the log(s) being returned for completion and resubmittal.					
COMPANY NAME <u>BUSSELL + SON INC.</u> WELL DRILLER'S LICENSE NO. <u>2073</u>		ADDRESS <u>P.O. Box 874</u> <u>Tomball</u>		FILE ID	
(Type or print)		(Street or RFD) (City)		SEP 23 1998	
(Signed) <u>Craig Buswell</u> (Licensed Well Driller)		(Signed) <u>David Young</u> (Registered Driller Trainee)		TXAS 7137-TEMP	

State of Texas WELL REPORT		Texas Water Well Drillers Board P.O. Box 13067 Austin, TX 78711-3067 512-371-6299																																	
ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side																																			
1) OWNER <u>McCullum Upholstery</u> ADDRESS <u>12539 Duncan Hou. Tx. 77066</u> <small>(Name) (Street or RFD) (City) (State) (Zip)</small>																																			
2) LOCATION OF WELL: County <u>Harris</u> <u>18</u> miles in <u>N.W.</u> direction from <u>Houston, Tx</u> <small>(NE, SW, etc.) (Town)</small>																																			
Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.																																			
<input type="checkbox"/> LEGAL DESCRIPTION: Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____ Distance and direction from two intersecting section or survey lines _____ <input checked="" type="checkbox"/> SEE ATTACHED MAP <u>60-59-6 NO MAP</u>																																			
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection <input type="checkbox"/> De-Watering																																	
5) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cattle Tool <input type="checkbox"/> Other _____																																			
6) WELL LOG: Date Drilling: _____ Started <u>4/28</u> <u>1994</u> Completed <u>4/29</u> <u>1994</u>		7) BOREHOLE COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Other <u>2 string cemented</u> If Gravel Packed give interval... from _____ ft. to _____ ft.																																	
DIAMETER OF HOLE <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Dia. (in.)</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> </thead> <tbody> <tr> <td>6 3/4</td> <td>Surface</td> <td>300</td> </tr> </tbody> </table>		Dia. (in.)	From (ft.)	To (ft.)	6 3/4	Surface	300	8) CASING, BLANK PIPE, AND WELL SCREEN DATA: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Dia. (in.)</th> <th rowspan="2">New or Used</th> <th rowspan="2">Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial</th> <th colspan="2">Setting (ft.)</th> <th rowspan="2">Gage Casing Screen</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td></td> <td>N</td> <td>PVC Casing</td> <td>0</td> <td>286</td> <td>Sch 40</td> </tr> <tr> <td></td> <td>N</td> <td>PVC Liner</td> <td>280</td> <td>285</td> <td>Sch 40</td> </tr> <tr> <td></td> <td>N</td> <td>PVC Screen</td> <td>285</td> <td>300</td> <td>.012</td> </tr> </tbody> </table>		Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen	From	To		N	PVC Casing	0	286	Sch 40		N	PVC Liner	280	285	Sch 40		N	PVC Screen	285	300	.012
Dia. (in.)	From (ft.)	To (ft.)																																	
6 3/4	Surface	300																																	
Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen																														
			From	To																															
	N	PVC Casing	0	286	Sch 40																														
	N	PVC Liner	280	285	Sch 40																														
	N	PVC Screen	285	300	.012																														
From (ft.) To (ft.) Description and color of formation material 0 - 55 Clay 55 - 90 Sand 90 - 160 Clay 160 - 210 Sand 210 - 260 Clay 260 - 300 Sand		RECEIVED MAY 27 1994																																	
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION																																			
(Use reverse side if necessary)																																			
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>200</u> ft.		9) CEMENTING DATA: [Rule 287.44(1)] Cemented from <u>286</u> ft. to <u>126</u> ft. No. of Sacks Used <u>8</u> Method used <u>Halliburton</u> Cemented by <u>RWW</u>																																	
14) WELL TESTS: Type Test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Jetted <input type="checkbox"/> Estimated Yield: _____ gpm with _____ ft. drawdown after _____ hrs.		10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed [Rule 287.44(2)(A)] <input type="checkbox"/> Specified Steel Sleeve Installed [Rule 287.44(3)(A)] <input type="checkbox"/> Pileless Adapter Used [Rule 287.44(3)(B)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 287.7]																																	
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		11) WATER LEVEL: Static level <u>140</u> ft. below land surface Date <u>4/29/94</u> Artesian flow _____ gpm. Date _____																																	
		12) PACKERS: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Depth</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>280</td> </tr> </tbody> </table>		Type	Depth	K	280																												
Type	Depth																																		
K	280																																		
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.																																			
COMPANY NAME <u>Robinson Water Well Ser. Inc</u> WELL DRILLER'S LICENSE NO. <u>2212</u> <small>(Type or print)</small>																																			
ADDRESS <u>11819 Tomball Pky</u> <small>(Street or RFD) (City) (State) (Zip)</small>																																			
(Signed) <u>[Signature]</u> <small>(Licensed Well Driller)</small>		(Signed) _____ <small>(Registered Driller Trainee)</small>																																	
Please attach electric log, chemical analysis, and other pertinent information, if available.																																			
For TWC use only: Well No. _____ Located on map <u>65-4-3</u>																																			

TPDES PERMIT NO. WQ0015299001
TCEQ DOCKET NO. 2015-1708-MWD
JARRAR HOLDINGS, LLC, APPLICANT

SUPPLEMENTAL INFORMATION REMITTED BY MS. KATHLEEN BRADLEY,
REQUESTOR, Adjacent Property owner: 12826 Shiloh Church Road, Houston, TX 77066, and
Affected Party

Both the Public Interest Council and Executive Director have recommended that there be a hearing, I have been advised to add additional information that might be relevant. After reviewing the material sent to me, I note the following:

“Comments and Responses”, Comment No. 1:

The Executive Director’s response, quoted the Applicant’s representation that there are “no surface water intakes for domestic drinking water supplies within five miles downstream of the proposed outfall”.

I have personal knowledge of water wells used for drinking water on properties that are located between the Applicant and the end of his proposed outfall, well within a five mile range of Applicant’s plant, downstream. I conducted a cursory search of the Harris County Well Permits to provide official documentation of said wells, and found multiple wells downstream or adjacent to, Applicant’s proposed outfall path. Some of those permits (first page only) are attached. Note these permits are not indexed and have to be searched manually, and of note is that I could not locate one for my own well, which I know was permitted and is in place and used for domestic purposes. It is not likely that it is the only one in the area whose location and relevant information is difficult to access, rendering it nonexistent to the cursory reviewer.

Please note that the name of the road changed to “Hollister” from “Duncan” around the time the Hollister MUD District began to provide local water services. Also please note Applicant’s property stretches east-west from to Hollister to Shiloh Church Road. Any properties in this locale occupied prior to the Hollister MUD District operations, have wells, or no water access. I have firsthand knowledge of at least two homes on Hollister and four on Shiloh Church, have wells used for domestic drinking water. Further, at least one business on Hollister, directly adjacent and downstream from the Applicant, includes a restaurant that provides food and beverages to the public, including drinking water. Also please note some of the businesses in the area are in fact occupied as residences, so are mixed business/residential use properties, whose private wells are the sole sources of water, used for domestic and commercial purposes.

Location of Outfall issue and Comment No. 2 Response:

Attachments “D” and “E”: There are discrepancies in the location of the proposed outfall path in the rendering submitted by Applicant and the Map requested by the TCEQ Office of Legal Services for Commissioner’s Agenda. This is significant as the Point of Origin location is not shown in relation to required buffer zones for odor or proximity to domestic or public water wells.

If the Point of Origin indicated on the TCEQ Office of Legal Services for Commissioner’s Agenda map of the property is correct, the Point of Origin is on the North edge of Applicant’s property, and presuming there are no water well proximity issues in that location, and all private wells are located more than 250’ away (I did not look up these specifically, but saw several permits pulled for locations on FM 1960, so that might be an issue), the Applicant does not meet the odor buffer zone requirement as to the northern adjacent properties. If however, the point of Origin is centrally located on Applicant’s property, it is within easy line eye sight of my sole source of water, used for domestic drinking, thus an issue of fact as to whether or not it is located within 250’ of my private well or any other well (of note, the one located on the adjacent property facing Hollister), or a minimum 150’ from the property line to meet the odor abatement buffer requirement. According to Google Maps, Applicant’s property is 300’ wide from north to south property lines (the southern boundary of that measure is also my property line). It is unlikely the Point of Origin will have zero diameter, thus likely falls within the odor buffer zone on one side of the property or the other. I have no reasonable means to get an exact measure from my property line or my well, as Applicant’s point of Origin is not marked or staked on the property, I have not asked for permission to enter and none has been offered so that I might attempt to measure, and the exhibits indicating location provide variations that in this instance, are significant.

Attached please find Well Permits that contradict Applicant’s statement that “there are no surface water intakes for domestic drinking water supplies within five miles downstream of the proposed outfall”. There are more but I think this is sufficient to make the point that Applicant has made this, and possibly other representations, that are inaccurate, on the application.

Please note that I do not oppose the Applicant’s request for a permit, nor the proposed use of the property, but I strenuously oppose a permit granted for a treatment facility or land use that might contaminate my drinking water or cause odor that would interfere with the use and enjoyment of my property.

ATTENTION OWNER: Confidentiality Privilege Notice on reverse side of Well Owner's copy (pink)		State of Texas WELL REPORT		Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 512-463-7880																																																																							
1) OWNER <u>ARC LTD</u> ADDRESS <u>12811 Duncan Rd Houston Tx 77066</u>																																																																											
2) ADDRESS OF WELL'S LOCATION: County <u>Harris Co</u> City <u>Same</u> State <u>TX</u> Zip <u>77066</u> Street, RFD or other <u>101</u> (City) (State) (Zip) Grid # <u>65.04.3</u> Long <u>29°58'32" N 95°31'29" W</u>																																																																											
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input type="checkbox"/> Domestic <input type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input type="checkbox"/> Yes <input type="checkbox"/> No		5)																																																																							
6) WELL LOG: Date Drilling: Started <u>3.15.02</u> Completed <u>3.16.02</u>		DIAMETER OF HOLE: Dia. (in.) From (ft.) To (ft.) <u>1 1/2</u> Surface <u>301</u>		7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Other																																																																							
From (ft.) To (ft.) Description and color of formation material		8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Other <u>inside completion</u> If Gravel Packed give interval from _____ ft. to _____ ft.		CASING, BLANK PIPE, AND WELL SCREEN DATA:																																																																							
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>From (ft.)</th><th>To (ft.)</th><th>Description and color of formation material</th></tr> <tr><td>0</td><td>39</td><td>clay & sand</td></tr> <tr><td>39</td><td>52</td><td>clay</td></tr> <tr><td>52</td><td>61</td><td>sand</td></tr> <tr><td>61</td><td>111</td><td>clay & sand</td></tr> <tr><td>111</td><td>120</td><td>clay</td></tr> <tr><td>120</td><td>124</td><td>rock</td></tr> <tr><td>124</td><td>180</td><td>clay & sand</td></tr> <tr><td>180</td><td>182</td><td>rock</td></tr> <tr><td>182</td><td>221</td><td>clay & sand</td></tr> <tr><td>221</td><td>226</td><td>rock</td></tr> <tr><td>226</td><td>273</td><td>clay & sand</td></tr> <tr><td>273</td><td>278</td><td>sand</td></tr> <tr><td>278</td><td>299</td><td>reverse side of well (see log, if necessary)</td></tr> </table>		From (ft.)	To (ft.)	Description and color of formation material	0	39	clay & sand	39	52	clay	52	61	sand	61	111	clay & sand	111	120	clay	120	124	rock	124	180	clay & sand	180	182	rock	182	221	clay & sand	221	226	rock	226	273	clay & sand	273	278	sand	278	299	reverse side of well (see log, if necessary)	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr><th>Dia. (in.)</th><th>New or Used</th><th>Steel, Plastic, etc. Part, Slotted, etc.</th><th>Setting (ft.) From</th><th>To</th><th>Gage Casing Screen</th></tr> <tr><td>4</td><td>N</td><td>PVC Well casing</td><td>0</td><td>285</td><td>Sch 40</td></tr> <tr><td>2 1/2</td><td>N</td><td>PVC Blank Pipe</td><td>281</td><td>285</td><td>Sch 40</td></tr> <tr><td>2 1/2</td><td>N</td><td>PVC Slotted Screen</td><td>285</td><td>295</td><td>.010</td></tr> <tr><td>2 1/2</td><td>N</td><td>PVC Slotted Screen</td><td>295</td><td>301</td><td>.005</td></tr> </table>		Dia. (in.)	New or Used	Steel, Plastic, etc. Part, Slotted, etc.	Setting (ft.) From	To	Gage Casing Screen	4	N	PVC Well casing	0	285	Sch 40	2 1/2	N	PVC Blank Pipe	281	285	Sch 40	2 1/2	N	PVC Slotted Screen	285	295	.010	2 1/2	N	PVC Slotted Screen	295	301	.005
From (ft.)	To (ft.)	Description and color of formation material																																																																									
0	39	clay & sand																																																																									
39	52	clay																																																																									
52	61	sand																																																																									
61	111	clay & sand																																																																									
111	120	clay																																																																									
120	124	rock																																																																									
124	180	clay & sand																																																																									
180	182	rock																																																																									
182	221	clay & sand																																																																									
221	226	rock																																																																									
226	273	clay & sand																																																																									
273	278	sand																																																																									
278	299	reverse side of well (see log, if necessary)																																																																									
Dia. (in.)	New or Used	Steel, Plastic, etc. Part, Slotted, etc.	Setting (ft.) From	To	Gage Casing Screen																																																																						
4	N	PVC Well casing	0	285	Sch 40																																																																						
2 1/2	N	PVC Blank Pipe	281	285	Sch 40																																																																						
2 1/2	N	PVC Slotted Screen	285	295	.010																																																																						
2 1/2	N	PVC Slotted Screen	295	301	.005																																																																						
13) <input type="checkbox"/> Well plugged within 48 hours		9) CEMENTING DATA: Cemented from <u>285</u> ft. to <u>150</u> ft. No. of sacks used <u>9</u> Method used <u>paper bucket</u> Cemented by <u>self</u> Distance to septic system field lines or other concentrated contamination <u>100</u> ft. Method of verification of above distance <u>tape measure</u>		10) SURFACE COMPLETION: <input type="checkbox"/> Specified Surface Slope Installed <input checked="" type="checkbox"/> Specified Steel Slove Installed <input type="checkbox"/> Piless Adapter Used <input type="checkbox"/> Approved Alternative Protection Used																																																																							
14) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder Other _____ Depth to pump bowls, cylinder, jet, etc., <u>220</u> ft.		11) WATER LEVEL: Static level <u>144</u> ft. below land surface Date <u>3.16.02</u> Artesian flow _____ gpm. Date _____		12) PACKERS: Type _____ Depth _____ <u>K Packer - 281'</u>																																																																							
15) WELL TESTS: Type test: <input type="checkbox"/> Pump <input type="checkbox"/> Baker <input checked="" type="checkbox"/> Jetted <input checked="" type="checkbox"/> Stimulated Yield: <u>40</u> gpm with <u>10</u> ft. drawdown after <u>1</u> hrs.		16) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input type="checkbox"/> No		I certify that I drilled this well (or the well was drilled under my direct supervision) and that each and all of the statements herein are true and correct. I understand that failure to complete items 1 thru 16 will result in the log(s) being returned for completion and resubmital.																																																																							
COMPANY NAME <u>Hildebrandts Water Wells</u> WELL DRILLER'S LICENSE NO. <u>2195W</u>		ADDRESS <u>21802 Rhodes Rd.</u> City <u>Spring</u> State <u>Tx</u> Zip <u>77388</u>																																																																									
(Signed) <u>Paul Hildebrandt</u> (Licensed Well Driller)		(Signed) _____ (Registered Driller Trainee)																																																																									

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side		State of Texas WELL REPORT		Texas Water Well Drillers Advisory Council P.O. Box 13087 Austin, TX 78711-3087 512-238-0530																																																																								
1) OWNER <u>Berry Frenchac</u> (Name)		ADDRESS <u>6223 Theal Rd. Houston Tx 77066</u> (Street or RFD) (City) (State) (Zip)																																																																										
2) ADDRESS OF WELL: County <u>Harris</u>		Street or RFD <u>6223 Theal Rd. Houston Tx 77066</u> (City) (State) (Zip)		GRID # <u>65-04-3</u>																																																																								
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input checked="" type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5)																																																																								
6) WELL LOG: Date Drilling: _____ Started <u>9-30</u> 19 <u>95</u> Completed <u>10-31</u> 19 <u>95</u>		DIAMETER OF HOLE <table border="1" style="font-size: x-small; width: 100%;"> <tr> <th>Dia. (in.)</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> <tr> <td>9</td> <td>Surface</td> <td>268</td> </tr> <tr> <td>4 7/8</td> <td>268</td> <td>295</td> </tr> </table>		Dia. (in.)	From (ft.)	To (ft.)	9	Surface	268	4 7/8	268	295	7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Other _____																																																															
Dia. (in.)	From (ft.)	To (ft.)																																																																										
9	Surface	268																																																																										
4 7/8	268	295																																																																										
From (ft.) To (ft.) Description and color of formation material		8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Other <u>2 string</u> If Gravel Packed give interval ... from _____ ft. to _____ ft.																																																																										
<table border="1" style="font-size: x-small; width: 100%;"> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>Description and color of formation material</th> </tr> <tr><td>0 - 3</td><td></td><td>Top Soil</td></tr> <tr><td>3 - 66</td><td></td><td>Red + Gray Clay</td></tr> <tr><td>66 - 74</td><td></td><td>Sand</td></tr> <tr><td>74 - 126</td><td></td><td>Red + Gray Clay</td></tr> <tr><td>126 - 137</td><td></td><td>Sand</td></tr> <tr><td>137 - 142</td><td></td><td>Red + Gray Clay</td></tr> <tr><td>142 - 176</td><td></td><td>Sand</td></tr> <tr><td>176 - 184</td><td></td><td>Red + Gray Clay</td></tr> <tr><td>184 - 213</td><td></td><td>Sand</td></tr> <tr><td>213 - 218</td><td></td><td>Red Shale</td></tr> <tr><td>218 - 237</td><td></td><td>Red + Gray Clay</td></tr> <tr><td>237 - 256</td><td></td><td>Red Shale</td></tr> <tr><td>256 - 261</td><td></td><td>Red + Gray Clay</td></tr> <tr><td>261 - 295</td><td></td><td>Sand</td></tr> </table>		From (ft.)	To (ft.)	Description and color of formation material	0 - 3		Top Soil	3 - 66		Red + Gray Clay	66 - 74		Sand	74 - 126		Red + Gray Clay	126 - 137		Sand	137 - 142		Red + Gray Clay	142 - 176		Sand	176 - 184		Red + Gray Clay	184 - 213		Sand	213 - 218		Red Shale	218 - 237		Red + Gray Clay	237 - 256		Red Shale	256 - 261		Red + Gray Clay	261 - 295		Sand	CASING, BLANK PIPE, AND WELL SCREEN DATA: <table border="1" style="font-size: x-small; width: 100%;"> <tr> <th rowspan="2">Dia. (in.)</th> <th rowspan="2">New or Used</th> <th rowspan="2">Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial</th> <th colspan="2">Setting (ft.)</th> <th rowspan="2">Gage Casing Screen</th> </tr> <tr> <th>From</th> <th>To</th> </tr> <tr> <td>5</td> <td>N</td> <td>Sch 40 PVC</td> <td>72</td> <td>268</td> <td></td> </tr> <tr> <td>2 1/2</td> <td>N</td> <td>Sch 40 PVC</td> <td>263</td> <td>275</td> <td></td> </tr> <tr> <td>2 1/2</td> <td>N</td> <td>Slotted PVC sch 40</td> <td>275</td> <td>295</td> <td>012</td> </tr> </table>				Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen	From	To	5	N	Sch 40 PVC	72	268		2 1/2	N	Sch 40 PVC	263	275		2 1/2	N	Slotted PVC sch 40	275	295	012
From (ft.)	To (ft.)	Description and color of formation material																																																																										
0 - 3		Top Soil																																																																										
3 - 66		Red + Gray Clay																																																																										
66 - 74		Sand																																																																										
74 - 126		Red + Gray Clay																																																																										
126 - 137		Sand																																																																										
137 - 142		Red + Gray Clay																																																																										
142 - 176		Sand																																																																										
176 - 184		Red + Gray Clay																																																																										
184 - 213		Sand																																																																										
213 - 218		Red Shale																																																																										
218 - 237		Red + Gray Clay																																																																										
237 - 256		Red Shale																																																																										
256 - 261		Red + Gray Clay																																																																										
261 - 295		Sand																																																																										
Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen																																																																							
			From	To																																																																								
5	N	Sch 40 PVC	72	268																																																																								
2 1/2	N	Sch 40 PVC	263	275																																																																								
2 1/2	N	Slotted PVC sch 40	275	295	012																																																																							
(Use reverse side if necessary)		9) CEMENTING DATA [Rule 338.44(1)] Cemented from <u>surface</u> to <u>268</u> ft. No. of sacks used <u>44</u> ft. to _____ ft. No. of sacks used _____ Method used <u>pressure cemented w/ 8 7/8 gal</u> Cemented by <u>Driller</u> Distance to septic system field lines <u>150 +</u> ft. Method of verification of above distance <u>Engineers plans</u>																																																																										
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Vactor <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc. _____		10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed [Rule 338.44(2)(A)] <input type="checkbox"/> Specified Steel Sleeve Installed [Rule 338.44(3)(A)] <input type="checkbox"/> Pileless Adapter Used [Rule 338.44(3)(b)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 338.71]																																																																										
14) WELL TESTS: Type test: <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: <u>20</u> gpm with <u>10</u> ft. drawdown after <u>1</u> hrs.		11) WATER LEVEL: Static level <u>173</u> ft. below land surface Date <u>9-31-95</u> Artesian flow _____ gpm. Date _____																																																																										
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input type="checkbox"/> No		12) PACKERS: <table border="1" style="font-size: x-small; width: 100%;"> <tr> <th>Type</th> <th>Depth</th> </tr> <tr> <td><u>K packer</u></td> <td><u>3 X 5 263</u></td> </tr> </table>				Type	Depth	<u>K packer</u>	<u>3 X 5 263</u>																																																																			
Type	Depth																																																																											
<u>K packer</u>	<u>3 X 5 263</u>																																																																											
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmission.																																																																												
COMPANY NAME <u>Johnston's Water Well Service Inc.</u> (Type or print)		WELL DRILLER'S LICENSE NO. <u>2778 WI</u>																																																																										
ADDRESS <u>28414 Calvert Rd.</u> (Street or RFD)		<u>Tomball Tx 77375</u> (City) (State) (Zip)																																																																										
(Signed) <u>Tony K. Johnson</u> (Licensed Well Driller)		(Signed) _____ (Registered Driller Trainee)																																																																										
Please attach electric log, chemical analysis, and other pertinent information, if available.																																																																												

State of Texas
WATER WELL REPORT

Send original copy by certified mail to the Texas Department of Water Resources, P. O. Box 13087, Austin, Texas 78711. ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side. For TDWR use only: Well No. 65-04-33, Located on map 465, Received: RWA.

1) OWNER: Harris County W.C.D. 109 (Name) Address: 46 R.C. Cherry Bldg 7734 Gulf Houston Texas (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County Harris miles in _____ direction from _____ (Town)

3) TYPE OF WORK (Check): New Well Deepening Reconditioning Plugging

4) PROPOSED USE (Check): Domestic Industrial Public Supply Irrigation Test Well Other

5) DRILLING METHOD (Check): Mud Rotary Air Hammer Driven Bored Air Rotary Cable Tool Jetted Other

6) WELL LOG: Well No. 3 Date drilled 8/26/79

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
2 1/2	Surface	435
24	435	660

7) BOREHOLE COMPLETION: Open Hole Straight Wall Underreamed Gravel Packed Other

If Gravel Packed give interval... from 435 ft. to 660 ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Part, Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
						From	To	
		<i>See attached well log</i>	24	N	Steel casing	42	435	
			1 1/2	N	Steel blank casing	335	435	
		<i>Chemical analysis</i>	1 1/2	N	5" Steel blank casing	435	570	042
		<i>E-log</i>	12	N	Steel blank casing	511	570	
			12	N	5" Steel blank casing	520	555	042
			6			565	660	4

8) CASING, BLANK PIPE, AND WELL SCREEN DATA: (See table above)

9) WATER LEVEL: Static level 239 ft. below land surface Date 9/24/79 Artesian flow _____ gpm. Date _____

10) PACKERS: Type _____ Depth None

11) TYPE PUMP: (Foot) Turbine Jet Submersible Cylinder Other

Depth to pump bowls, cylinder, jet, etc., 390 ft.

12) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable water? Yes No *Surface water could be* If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water _____ Depth of strata _____ Was a chemical analysis made? Yes No

12) WELL TESTS: Type Test: Pump Bailor Jetted Estimated Yield: 1209 gpm with 24 ft. drawdown after 24 hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Leland Lawson (Type or Print) Water Well Drillers Registration No. 28

ADDRESS P.O. Box 9465 Houston Texas 77011 (Street or RFD) (City) (State) (Zip)

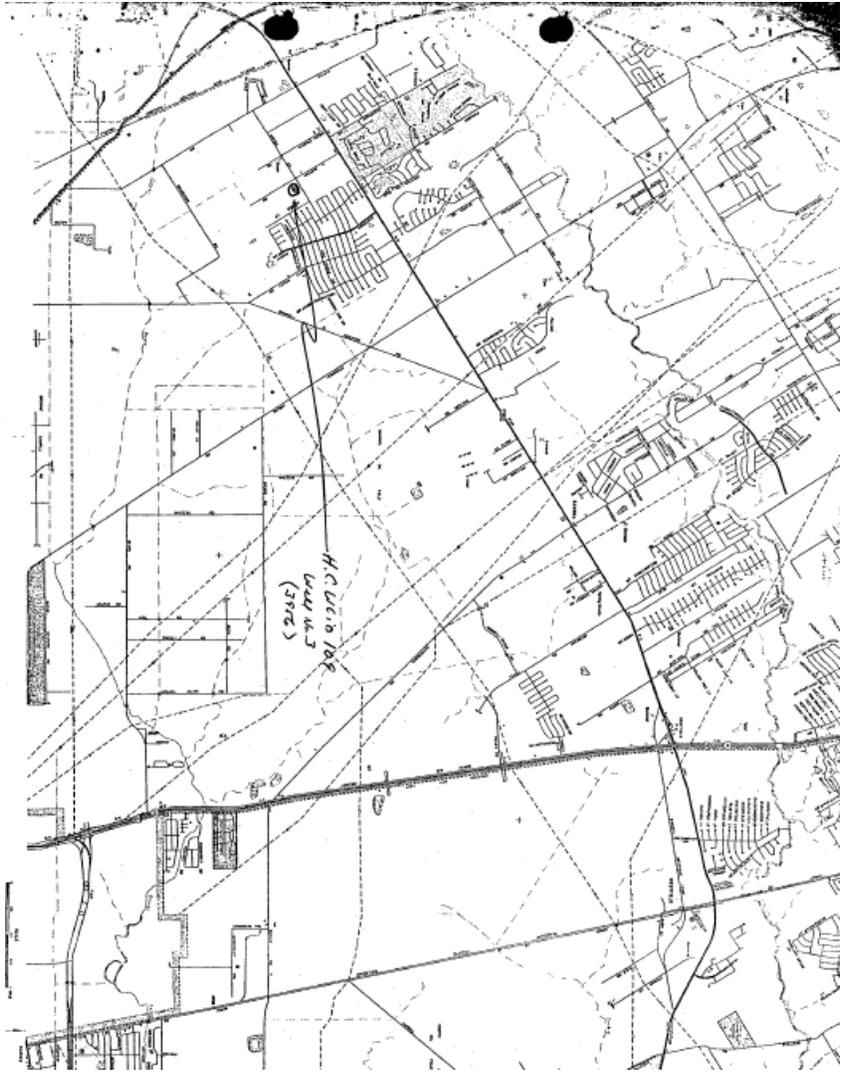
(Signed) Leland Lawson (Water Well Driller) Logan Texas Co (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

1.1



ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side		State of Texas WELL REPORT		Texas Water Well Drillers Board P.O. Box 13087 Austin, Texas 78711	
1) OWNER <u>Beyer Construction</u> (Name)		ADDRESS <u>12200 Duncan Houston Tx</u> (Street or RFD) (City) (State) (Zip)			
2) LOCATION OF WELL: County <u>Harris</u> . <u>6</u> miles in <u>North</u> direction from <u>Jersey Village</u> (Town)					
Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.					
LEGAL DESCRIPTION: <input type="checkbox"/> Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____ Distance and direction from two intersecting section or survey lines _____					
<input checked="" type="checkbox"/> SEE ATTACHED MAP <u>60-59-2 NO MAP</u>					
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection		5) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other _____	
6) WELL LOG: Date Drilling: Started <u>8-18</u> 19 <u>93</u> Completed <u>8-19</u> 19 <u>93</u>		DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) <u>6 3/4</u> Surface <u>220</u> <u>4 3/4</u> <u>220</u> <u>290</u>		7) BOREHOLE COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Other <u>3 String</u> If Gravel Packed give interval ... from _____ ft. to _____ ft.	
From (ft.) To (ft.) Description and color of formation material		8) CASING, BLANK PIPE, AND WELL SCREEN DATA:			
		Dia. (In.) New or Used Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., If commercial		Setting (ft.) From To Gage Casting Screen	
<u>0-2</u> <u>Fill</u>					
<u>2-4</u> <u>Top Soil</u>					
<u>4-15</u> <u>Red + Gray Clay</u>		<u>4</u> <u>N</u> <u>Sch 40 PVC</u>		<u>72</u> <u>220</u>	
<u>15-24</u> <u>Sand</u>		<u>2 1/2</u> <u>N</u> <u>Sch 40 PVC</u>		<u>225</u> <u>260</u>	
<u>24-100</u> <u>Red + Gray Clay</u>		<u>2 1/2</u> <u>N</u> <u>slotted PVC</u>		<u>260</u> <u>290</u> <u>.008</u>	
<u>100-110</u> <u>Sand - fine</u>					
<u>110-114</u> <u>Clay</u>					
<u>114-123</u> <u>Sand</u>					
<u>123-140</u> <u>Clay w sand streaks</u>					
<u>140-200</u> <u>Sand</u>					
<u>over</u> (Use reverse side if necessary)					
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>200</u>		9) CEMENTING DATA [Rule 287.44(1)] Cemented from <u>71</u> ft. to <u>220</u> ft. No. of Sacks Used <u>17</u> _____ ft. to _____ ft. No. of Sacks Used _____ Method used <u>Pressure cemented w 10% gel</u> Cemented by <u>Kerry Johnston</u>			
14) WELL TESTS: Type Test: <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailor <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: <u>15</u> gpm with <u>15</u> ft. drawdown after <u>1</u> hrs.		10) SURFACE COMPLETION: <input type="checkbox"/> Specified Surface Slab Installed [Rule 287.44(2)(A)] <input type="checkbox"/> Specified Steel Sleeve Installed [Rule 287.44(3)(A)] <input type="checkbox"/> Pitless Adapter Used [Rule 287.44(3)(B)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 287.71]			
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input type="checkbox"/> No		11) WATER LEVEL: Static level <u>148</u> ft. below land surface Date <u>8-19-93</u> Artesian flow _____ gpm. Date _____			
		12) PACKERS: Type Depth <u>K Packer</u> <u>2 1/2 X 4</u> <u>215</u>			
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.					
COMPANY NAME <u>Johnston's Water Well Service</u> (Type or print)		WELL DRILLER'S LICENSE NO. <u>2778 WI</u>			
ADDRESS <u>28414 Cabert Rd.</u> <u>Tomball</u> <u>Tx</u> <u>77375</u> (Street or RFD) (City) (State) (Zip)					
(Signed) <u>Kerry R. Johnston</u> (Licensed Well Driller)		(Signed) _____ (Registered Driller Trainee)			
Please attach electric log, chemical analysis, and other pertinent information, if available.		For TWC use only: Well No. _____ Located on map <u>65-4-3</u>			

Send original copy by certified return receipt to: [redacted] mail to: TDLR, P.O. Box 12157, Austin, TX 78711

ATTENTION OWNER: Confidentially Privilege Notice on reverse side of Well Owner's copy (pink)		State of Texas WELL REPORT		Texas Department of Licensing & Regulation P.O. Box 12157 Austin, TX 78711 612-463-7880																											
1) OWNER A&T ENVIRONMENTAL CLEANING (Name)		ADDRESS 12000 DUNCAN RD HOUSTON, TX. 77066 (Street or RFD)		N 29° 57' 53.7" W 95° 29' 5" W (Long. Lat.)																											
2) ADDRESS OF WELL'S LOCATION: County HARRIS 12000 DUNCAN ROAD HOUSTON, TEXAS 77066 (Street, RFD or other) (City) (State) (Zip)		Grid # 65-04-3																													
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRC? <input type="checkbox"/> Yes <input type="checkbox"/> No		5)																											
6) WELL LOG: Date Drilling: 2/12/02 Started 2/12/02 Completed 2/13/02		DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) 6 3/4 Surface 299 3 7/8 299 309		7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Other																											
From (ft.) To (ft.) Description and color of formation material		8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give interval from _____ ft. to _____ ft.																													
0 4 TOP SOIL		CASING, BLANK PIPE, AND WELL SCREEN DATA: <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th rowspan="2">Dia. (in.)</th> <th rowspan="2">New or Used</th> <th rowspan="2">Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial</th> <th colspan="2">Setting (ft.)</th> <th rowspan="2">Gage Casting Screen</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>N</td> <td>PVC CASING</td> <td>0</td> <td>299</td> <td></td> </tr> <tr> <td>2.5</td> <td>N</td> <td>CALVANIZED LINER</td> <td>293</td> <td>299</td> <td></td> </tr> <tr> <td>2.5</td> <td>N</td> <td>S.S.R.B.</td> <td>299</td> <td>309</td> <td>.012</td> </tr> </tbody> </table>				Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen	From	To	4	N	PVC CASING	0	299		2.5	N	CALVANIZED LINER	293	299		2.5	N	S.S.R.B.	299	309	.012
Dia. (in.)	New or Used								Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen																			
						From	To																								
4	N					PVC CASING	0	299																							
2.5	N					CALVANIZED LINER	293	299																							
2.5	N					S.S.R.B.	299	309	.012																						
4 13 SANDY SHALE																															
13 27 CLAY																															
27 35 SAND																															
35 49 SANDY SHALE																															
49 57 CLAY																															
57 83 SAND																															
83 101 SHALE																															
101 122 SAND																															
122 151 SHALE																															
151 163 SANDY SHALE																															
163 181 SHALE																															
(Use reverse side of Well Owner's copy, if necessary)		9) CEMENTING DATA Cemented from 0 ft. to 15 ft. No. of sacks used 15 279 ft. to 299 ft. No. of sacks used 4 Method used HALLIBURTON/TRIMME Cemented by AQUAUTILITY CONSTRUCTION LP Distance to septic system field lines or other concentrated contamination _____ ft. Method of verification of above distance _____																													
13) <input type="checkbox"/> Well plugged within 48 hours		<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="margin: 0;">RECEIVED</p> <p style="margin: 0; font-size: small;">TDLR MAIL ROOM SH</p> <p style="margin: 0; font-size: x-large; font-weight: bold;">MAR 1 2 2002</p> <p style="margin: 0; font-size: small;">RECEIPT # _____ AMOUNT _____</p> </div>																													
Casing left in well: From (ft) To (ft)																															
Cement/bentonite placed in well: From (ft) To (ft)																															
14) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc. 220 ft.		10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed <input checked="" type="checkbox"/> Specified Steel Sleeve Installed <input type="checkbox"/> Pitless Adapter Used <input type="checkbox"/> Approved Alternative Procedure Used																													
15) WELL TESTS: Type test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: 30 gpm with _____ ft. drawdown after _____ hrs.		11) WATER LEVEL: Static level 156 ft. below land surface Date 2/13/02 Artesian flow _____ gpm. Date _____																													
16) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		12) PACKERS: Type Depth K-PACKER 293																													
I certify that I drilled this well (or the well was drilled under my direct supervision) and that each and all of the statements herein are true and correct. I understand that failure to complete items 1 thru 16 will result in the log(s) being returned for completion and resubmittal.																															
COMPANY NAME AQUAUTILITY CONSTRUCTION LP (Type or print)		WELL DRILLER'S LICENSE NO. 2035WT																													
ADDRESS P.O. BOX 874 (Street or RFD)		TOMBALL (City)		TEXAS 77377-0874 (State) (Zip)																											
(Signed) Craig Busell (Licensed Well Driller)		(Signed) Jason Beam (Registered Driller Trainee)																													

TDLR FORM 001WWD (4/98)

White - TDLR

Yellow - DRILLER

Pink - WELL OWNER

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side		State of Texas WELL REPORT		Texas Water Well Drillers Advisory Council P.O. Box 13087 Austin, TX 78711-3087 512-239-0530	
1) OWNER <u>Bill Hightower</u> (Name)		ADDRESS <u>12426 DUNCAN RD. HSTN TX 77241-12</u> (Street or RFD) (City) (State) (Zip)			
2) ADDRESS OF WELL: County <u>HARRIS</u> (Street, RFD or other)		12426 DUNCAN HSTN TX 77241 (City) (State) (Zip)		GRID # <u>65-04-3</u>	
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input type="checkbox"/> Yes <input type="checkbox"/> No		5)	
6) WELL LOG: Date Drilling: <u>1-31</u> 19 <u>96</u> Completed <u>2-1</u> 19 <u>96</u>		DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) <u>6 3/4</u> Surface <u>245</u> <u>3 7/8</u> <u>245</u> <u>275</u>		7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Other _____	
From (ft.) To (ft.) Description and color of formation material		8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give interval ... from _____ ft. to _____ ft.			
0 16 TOP SOIL & CLAY		CASING, BLANK PIPE, AND WELL SCREEN DATA:			
16 35 SURFACE SAND					
35 260 CLAY & SAND STRAKS					
260 275 SAND		Dia. (in.) New or Used Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial Setting (ft.) From To Gage Casting Screen			
		4 N PVC 0 245			
		2 N GALVANIZED 240 265			
		2 N PTC SCREWS 265 275 .02			
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>200</u> ft.		9) CEMENTING DATA [Rule 338.44(1)] Cemented from <u>0</u> ft. to <u>15</u> ft. No. of sacks used <u>8</u> <u>195</u> ft. to <u>245</u> ft. No. of sacks used <u>3</u> Method used <u>HALLIBURTON / TRIMME</u> Cemented by <u>BUSSELL + SON INC.</u> Distance to septic system field lines or other concentrated contamination _____ ft. Method of verification of above distance _____			
		10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed [Rule 338.44(2)(A)] <input checked="" type="checkbox"/> Specified Steel Sleeve Installed [Rule 338.44(3)(A)] <input type="checkbox"/> Pitless Adapter Used [Rule 338.44(3)(b)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 338.71]			
14) WELL TESTS: Type test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: <u>40</u> gpm with _____ ft. drawdown after _____ hrs.		11) WATER LEVEL: Static level <u>130</u> ft. below land surface Date <u>2-1-96</u> Artesian flow _____ gpm. Date _____			
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit 'REPORT OF UNDESIRABLE WATER' Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		12) PACKERS: Type Depth <u>K-PACKER, 240</u>			
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.					
COMPANY NAME <u>BUSSELL + SON INC.</u> (Type or print)		WELL DRILLER'S LICENSE NO. <u>2035</u>			
ADDRESS <u>PO BOX 874</u> (Street or RFD)		<u>Tomball</u> (City)		<u>TEXAS 77577-0874</u> (State) (Zip)	
(Signed) <u>raig Buswell</u> (Licensed Well Driller)		(Signed) _____ (Registered Driller Trainee)			
Please attach electric log, chemical analysis, and other pertinent information, if available.					

W.L.#99

Send original copy by certified mail to the State of Texas
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

WATER WELL REPORT

For TDWR use only
Well No. 65-04-3T
Located on map YES
Received: C.F.S.

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Striping Unlimited (Name) Address 2602 Ridge Hollow Blvd. St. (Street or RFD) (City) (State) (Zip) 70607

2) LOCATION OF WELL: Heard Rd. 4 (County) miles in North (N.E., S.W., etc.) direction from Jerry Village (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

Legal description: Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

See attached map. map 60-59-7EF

3) TYPE OF WORK (Check):
 New Well Deepening
 Reconditioning Plugging

4) PROPOSED USE (Check):
 Domestic Industrial Public Supply
 Irrigation Test Well Other

5) DRILLING METHOD (Check):
 Mud Rotary Air Hammer Driven Bored
 Air Rotary Cable Tool Jetted Other

6) WELL LOG:
Date drilled 3-15-83

DIAMETER OF HOLE		Description and color of formation material
Dia. (in.)	From (ft.) To (ft.)	
	Surface	
	0	3 Sand
	3	14 Clay
	14	25 Surface sand
	25	80 Clay
	80	165 Sand
	165	172 Clay
	172	235 Sand

7) BOREHOLE COMPLETION:
 Open Hole Straight Wall Undrilled
 Gravel Packed Other
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casing Screen
			From	To	
4	N	P.V.C.	0	225	
2	N	GALV. STEEL	220	225	
2	N	P.V.C.	225	235	ON

CEMENTING DATA
Cemented from 175 ft. to 225 ft.
Method used Halliburton
Cemented by BUSSELL & SON, INC.
(Company or Individual)

9) WATER LEVEL:
Static level 126 ft. below land surface Date 3-16-83
Artesian flow _____ gpm. Date _____

10) PACKERS: Type _____ Depth _____

11) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other _____
Depth to pump bowls, cylinder, jet, etc., 168 ft.

12) WELL TESTS:
 Type Test Pump Bailor Jetted Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? Yes No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? Yes No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Craig O. Buswell (Type in Print) Water Well Driller's Registration No. 2035
ADDRESS P.O. BOX 874 (Street or RFD) Tomball (City) Texas (State) 77375 (Zip)
(Signed) Craig Buswell (Water Well Driller) BUSSELL & SON, INC. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

WELL OWNER'S COPY

State of Texas
WELL REPORT

Texas Water Well Drillers Board
P.O. Box 13067
Austin, Texas 78711

ATTENTION OFFICER: Confidentiality
Privilege Notice on Reverse Side

1) OWNER Eddie Miller ADDRESS 12204 Duncan Houston TX 77066
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County Harris 11 miles N SE direction from Tomball
(NE, SW, etc.) (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

LEGAL DESCRIPTION:
Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
 SEE ATTACHED MAP

3) TYPE OF WORK (Check):
 New Well Deepening
 Reconditioning Plugging

4) PROPOSED USE (Check):
 Domestic Industrial Monitor
 Irrigation Test Well Injection

5) DRILLING METHOD (Check): Driven
 Rod Rotary Air Hammer Jetted Bored
 Air Rotary Cable Tool Other _____

6) WELL LOG:
Date Drilling: Started 12-20 1993 Completed 12-21 1993
Diameter of Hole:
Dis. (In.) From (ft.) To (ft.)
Surface 6 3/4 250
4 3/4 250 265

7) BOREHOLE COMPLETION:
 Open Hole Straight Well Underreamed
 Gravel Packed Other 2 string
If Gravel Packed give interval ... from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

From (ft.)	To (ft.)	Description and color of formation material	Dia. (In.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mtg., if commercial	Setting (ft.)		Gaps Casing Screen
						From	To	
0-5		Top soil						
5-40		Red Gray Clay						
40-60		Yellow Gray Clay	4 N		SCA 40 PVC	72	250	
60-150		Red Gray Clay	3 1/2 N		SCA 40 PVC	245	258	
150-197		Sand	3 1/2 N		slotted PVC	255	265	.010
198-225		Red Gray Clay						
225-232		Sand						
232-249		Red Gray w/ Hard st						
249-260		Sand						
260-265		Sand						

9) CEMENTING DATA [Rule 287.44(1)]
Completed from 71 ft. to 250 ft. No. of Seals Used 23
ft. to _____ ft. No. of Seals Used _____
Method used pressure cemented w/ 10% gel
Cemented by Kerry Johnston

10) SURFACE COMPLETION
 Specified Surface Slab Installed [Rule 287.44(2)(A)]
 Specified Steel Sleeve Installed [Rule 287.44(2)(A)]
 Pileless Adapter Used [Rule 287.44(2)(B)]
 Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL:
Static level 146 ft. below land surface Date 12-21-93
Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth
K-Pack 4 x 2 1/2 245'

13) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other _____
Depth to pump bowls, cylinder, jet, etc., 200 ft.

14) WELL TESTS:
Type Test: Pump Backer Jetted Estimated
Yield: 10 gpm with 10 ft. drawdown after 1 hrs.

15) WATER QUALITY:
Did you knowingly permeate any strata which contained undesirable constituents?
 Yes No. If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? Yes No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 5 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Johnston's Water Well Service WELL DRILLER'S LICENSE NO. 2772WIT
(Type or print)
ADDRESS 28414 Calvert Rd Tomball TX 77375
(Street or RFD) (City) (State) (Zip)
(Signed) Kerry Johnston (Signed) _____
(Licensed Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TWC use only: Well No. _____ Located on map 65-4-3

ATTENTION OWNER: Confidentiality Privilege Notice on on reverse side of Well Owner's copy (pink)		State of Texas WELL REPORT		Texas Water Well Drillers Advisory Council MC 177 P.O. Box 13087 Austin, TX 78711-3087 512-239-0530																																				
1) OWNER <u>Champion Window Inc.</u> ADDRESS <u>12427 DUNCAN Rd Houston TX 77066</u> <small>(Name) (Street or RFD) (City) (State) (Zip)</small>		2) ADDRESS OF WELL: County <u>Harris</u> <u>12427 DUNCAN Rd Houston TX 77066</u> GRID # <u>65-04-3</u> <small>(Street, RFD or other) (City) (State) (Zip)</small>																																						
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Monitor <input type="checkbox"/> Environmental Soil Boring <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Irrigation <input type="checkbox"/> Injection <input checked="" type="checkbox"/> Public Supply <input type="checkbox"/> De-watering <input type="checkbox"/> Testwell If Public Supply well, were plans submitted to the TNRCC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5)																																				
6) WELL LOG: Date Drilling: Started <u>7-23-98</u> Completed <u>7-24-98</u>		DIAMETER OF HOLE <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Dia. (in.)</th> <th>From (ft.)</th> <th>To (ft.)</th> </tr> <tr> <td><u>8 3/4</u></td> <td>Surface</td> <td><u>280</u></td> </tr> <tr> <td><u>4 3/4</u></td> <td><u>280</u></td> <td><u>300</u></td> </tr> </table>		Dia. (in.)	From (ft.)	To (ft.)	<u>8 3/4</u>	Surface	<u>280</u>	<u>4 3/4</u>	<u>280</u>	<u>300</u>	7) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Bored <input type="checkbox"/> Air Hammer <input type="checkbox"/> Cable Tool <input type="checkbox"/> Jetted <input type="checkbox"/> Other _____																											
Dia. (in.)	From (ft.)	To (ft.)																																						
<u>8 3/4</u>	Surface	<u>280</u>																																						
<u>4 3/4</u>	<u>280</u>	<u>300</u>																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>Description and color of formation material</th> </tr> <tr> <td><u>0</u></td> <td><u>270</u></td> <td><u>LINCON SOLIDATED</u></td> </tr> <tr> <td><u>270</u></td> <td><u>300</u></td> <td><u>SAND</u></td> </tr> </table>		From (ft.)	To (ft.)	Description and color of formation material	<u>0</u>	<u>270</u>	<u>LINCON SOLIDATED</u>	<u>270</u>	<u>300</u>	<u>SAND</u>	8) Borehole Completion (Check): <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input type="checkbox"/> Other _____ If Gravel Packed give interval ... from _____ ft. to _____ ft.		CASING, BLANK PIPE, AND WELL SCREEN DATA: <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Dia. (in.)</th> <th rowspan="2">New or Used</th> <th rowspan="2">Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial</th> <th colspan="2">Setting (ft.)</th> <th rowspan="2">Gage Casting Screen</th> </tr> <tr> <th>From</th> <th>To</th> </tr> <tr> <td><u>5</u></td> <td><u>N</u></td> <td><u>SDR17</u></td> <td><u>0</u></td> <td><u>280</u></td> <td></td> </tr> <tr> <td><u>3</u></td> <td><u>N</u></td> <td><u>GALVANIZED</u></td> <td><u>285</u></td> <td><u>280</u></td> <td></td> </tr> <tr> <td><u>3</u></td> <td><u>N</u></td> <td><u>PVC SCREENS</u></td> <td><u>280</u></td> <td><u>300</u></td> <td><u>.014</u></td> </tr> </table>		Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen	From	To	<u>5</u>	<u>N</u>	<u>SDR17</u>	<u>0</u>	<u>280</u>		<u>3</u>	<u>N</u>	<u>GALVANIZED</u>	<u>285</u>	<u>280</u>		<u>3</u>	<u>N</u>	<u>PVC SCREENS</u>	<u>280</u>	<u>300</u>	<u>.014</u>
From (ft.)	To (ft.)	Description and color of formation material																																						
<u>0</u>	<u>270</u>	<u>LINCON SOLIDATED</u>																																						
<u>270</u>	<u>300</u>	<u>SAND</u>																																						
Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen																																			
			From	To																																				
<u>5</u>	<u>N</u>	<u>SDR17</u>	<u>0</u>	<u>280</u>																																				
<u>3</u>	<u>N</u>	<u>GALVANIZED</u>	<u>285</u>	<u>280</u>																																				
<u>3</u>	<u>N</u>	<u>PVC SCREENS</u>	<u>280</u>	<u>300</u>	<u>.014</u>																																			
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., _____ ft.		9) CEMENTING DATA [Rule 338.44(1)] Cemented from <u>0</u> ft. to <u>280</u> ft. No. of sacks used <u>46</u> _____ ft. to _____ ft. No. of sacks used _____ Method used <u>Halliburton</u> Cemented by <u>RUSSELL & SON INC.</u> Distance to septic system field lines or other concentrated contamination _____ ft. Method of verification of above distance _____																																						
14) WELL TESTS: Type test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Estimated Yield: <u>80</u> gpm with _____ ft. drawdown after _____ hrs.		10) SURFACE COMPLETION <input checked="" type="checkbox"/> Specified Surface Slab Installed [Rule 338.44(2)(A)] <input checked="" type="checkbox"/> Specified Steel Sleeve Installed [Rule 338.44(3)(A)] <input type="checkbox"/> Pitless Adapter Used [Rule 338.44(3)(b)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 338.71]																																						
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		11) WATER LEVEL: Static level <u>147</u> ft. below land surface Date <u>7-24-98</u> Artesian flow _____ gpm. Date _____																																						
		12) PACKERS: <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Type</th> <th>Depth</th> </tr> <tr> <td><u>K-Packer</u></td> <td><u>275</u></td> </tr> </table>		Type	Depth	<u>K-Packer</u>	<u>275</u>																																	
Type	Depth																																							
<u>K-Packer</u>	<u>275</u>																																							
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.		COMPANY NAME <u>RUSSELL & SON INC.</u> WELL DRILLER'S LICENSE NO. <u>2035</u> <small>(Type or print)</small>		ADDRESS <u>PO Box 874</u> <u>Tomball</u> <small>(Street or RFD) (City)</small>																																				
(Signed) <u>Craig Bunnell</u> <small>(Licensed Well Driller)</small>		(Signed) <u>David Young</u> <small>(Registered Driller Trainee)</small>		FILE ID _____ EMP # _____ SEP 1 1998 TEXAS 77377- COMMENT _____ (State) (ZPEMP)																																				

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side		State of Texas WELL REPORT		Texas Water Well Drillers Board P.O. Box 13087 Austin, TX 78711-3087 512-371-6299			
1) OWNER <u>McCullum Upholstery</u> ADDRESS <u>12539 Duncan Hou. Tx. 77066</u>							
(Name) (Street or RFD) (City) (State) (Zip)							
2) LOCATION OF WELL: County <u>Harris</u> 18 miles in <u>N.W.</u> direction from <u>Houston, Tx</u>							
(NE, SW, etc.) (Town)							
Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.							
<input type="checkbox"/> LEGAL DESCRIPTION: Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____ Distance and direction from two intersecting section or survey lines _____ <input checked="" type="checkbox"/> SEE ATTACHED MAP <u>60-59-6 NO MAP</u>							
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Monitor <input checked="" type="checkbox"/> Public Supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Injection <input type="checkbox"/> De-Watering		5) DRILLING METHOD (Check): <input type="checkbox"/> Driven <input checked="" type="checkbox"/> Mud Rotary <input type="checkbox"/> Air Hammer <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/> Air Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other _____			
6) WELL LOG: Date Drilling: _____ Started <u>4/28</u> <u>1994</u> Completed <u>4/29</u> <u>1994</u>		DIAMETER OF HOLE Dia. (in.) From (ft.) To (ft.) <u>6 3/4</u> Surface <u>300</u>		7) BOREHOLE COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Straight Wall <input type="checkbox"/> Underreamed <input type="checkbox"/> Gravel Packed <input checked="" type="checkbox"/> Other <u>2 String Cemented</u> If Gravel Packed give interval . . . from _____ ft. to _____ ft.			
From (ft.) To (ft.) Description and color of formation material		8) CASING, BLANK PIPE, AND WELL SCREEN DATA:					
		Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From To	Gage Casting Screen	
0 - 55 Clay							
55 - 90 Sand							
90 - 160 Clay			N	PVC Casing	0	286	Sch 40
160 - 210 Sand			N	PVC Liner	280	285	Sch 40
210 - 260 Clay			N	PVC Screen	285	300	.012
260 - 300 Sand							
RECEIVED MAY 27 1994 TEXAS NATURAL RESOURCE CONSERVATION COMMISSION							
(Use reverse side if necessary)		9) CEMENTING DATA [Rule 287.44(1)] Cemented from <u>286</u> ft. to <u>126</u> ft. No. of Sacks Used <u>8</u> <u>0</u> ft. to <u>10</u> ft. No. of Sacks Used <u>3</u> Method used <u>Halliburton</u> Cemented by <u>RWW</u>					
13) TYPE PUMP: <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Cylinder <input type="checkbox"/> Other _____ Depth to pump bowls, cylinder, jet, etc., <u>200</u> ft.		10) SURFACE COMPLETION <input type="checkbox"/> Specified Surface Slab Installed [Rule 287.44(2)(A)] <input checked="" type="checkbox"/> Specified Steel Sleeve Installed [Rule 287.44(3)(A)] <input type="checkbox"/> Pitless Adapter Used [Rule 287.44(3)(B)] <input type="checkbox"/> Approved Alternative Procedure Used [Rule 287.71]					
14) WELL TESTS: Type Test: <input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Jetted <input type="checkbox"/> Estimated Yield: _____ gpm with _____ ft. drawdown after _____ hrs.		11) WATER LEVEL: Static level <u>140</u> ft. below land surface Date <u>4/29/94</u> Artesian flow _____ gpm. Date _____					
15) WATER QUALITY: Did you knowingly penetrate any strata which contained undesirable constituents? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, submit "REPORT OF UNDESIRABLE WATER" Type of water? _____ Depth of strata _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		12) PACKERS: Type Depth <u>K</u> <u>280</u>					
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.							
COMPANY NAME <u>Robinson Water Well Ser. Inc</u> WELL DRILLER'S LICENSE NO. <u>2212</u>							
(Type or print)							
ADDRESS <u>11819 Tomball Pky</u> Houston, Texas 77086							
(Street or RFD) (City) (State) (Zip)							
(Signed) _____ (Licensed Well Driller)		(Signed) _____ (Registered Driller Trainee)					
Please attach electric log, chemical analysis, and other pertinent information, if available.		For TWC use only: Well No. _____ Located on map <u>65-4-3</u>					