

## STATE OF TEXAS WELL REPORT for Tracking #627562

Owner: <b>UW BRAZOS VALLEY FARM, INC</b>	Owner Well #: <b>2</b>
Address: <b>7670 WOODWAY DRIVE, STE. 200 HOUSTON, TX 77063</b>	Grid #: <b>59-03-9</b>
Well Location: <b>2 MILES N OF FM485 AND FM1644 HEARNE, TX 77859</b>	Latitude: <b>30° 54' 14.01" N</b>
Well County: <b>Robertson</b>	Longitude: <b>096° 39' 43.59" W</b>
Number of Wells Drilled: <b>2</b>	Elevation: <b>No Data</b>

Type of Work: <b>New Well</b>	Proposed Use: <b>Industrial</b>
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Drilling Start Date: **1/22/2022**      Drilling End Date: **12/2/2022**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>36</b>	<b>0</b>	<b>66</b>
	<b>26</b>	<b>66</b>	<b>1230</b>
	<b>6.75</b>	<b>1230</b>	<b>1240</b>

Drilling Method: **Reverse Circulation**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>720</b>	<b>1230</b>	<b>Gravel</b>	<b>12/20</b>

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>720</b>	<b>Cement 1710 Cubic Feet</b>

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **500+**

Distance to Septic Field or other concentrated contamination (ft.): **500+**

Distance to Septic Tank (ft.): **500+**

Method of Verification: **OWNER  
VERIFICATION**

Surface Completion: <b>Steel Cased</b>	<b>Surface Completion by Driller</b>
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Water Level: **132 ft. below land surface on 2022-11-30**      Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Pump**      **Yield: 3300 GPM with 112 ft. drawdown after 36 hours**

Water Quality:

Strata Depth (ft.)	Water Type
<b>810 - 1204</b>	<b>POTABLE</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Brien Water Wells**  
**5214 South Highway 6**  
**Hearne, TX 77859**

Driller Name: **GORDON BRIEN** License Number: **1750**

Apprentice Name: **BOBBY BARRETT** Apprentice Number: **60636**

Comments: **No Data**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>36</b>	<b>CLAY</b>
<b>36</b>	<b>39</b>	<b>SAND</b>
<b>39</b>	<b>54</b>	<b>GRAVEL- SMALL</b>
<b>54</b>	<b>160</b>	<b>SHALE, ROCKS</b>
<b>160</b>	<b>188</b>	<b>S-SHALE</b>
<b>188</b>	<b>190</b>	<b>ROCK</b>
<b>190</b>	<b>220</b>	<b>S-SHALE, ROCKS</b>
<b>220</b>	<b>263</b>	<b>S-SHALE</b>
<b>263</b>	<b>264</b>	<b>ROCK</b>
<b>264</b>	<b>342</b>	<b>SAND</b>
<b>342</b>	<b>404</b>	<b>SAND, S-SHALE</b>
<b>404</b>	<b>520</b>	<b>S-SHALE, SAND, ROCKS</b>
<b>520</b>	<b>565</b>	<b>S-SHALE</b>
<b>565</b>	<b>569</b>	<b>SHALE, TIGHT</b>
<b>569</b>	<b>614</b>	<b>S-SHALE</b>
<b>614</b>	<b>620</b>	<b>SHALE, TIGHT</b>
<b>620</b>	<b>664</b>	<b>S-SHALE, ROCKS</b>

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>30</b>	<b>Blank</b>	<b>New Steel</b>	<b>.375</b>	<b>0</b>	<b>67</b>
<b>18</b>	<b>Blank</b>	<b>New Steel</b>	<b>.500</b>	<b>0</b>	<b>810</b>
<b>18</b>	<b>Screen</b>	<b>New Pipe Base Stainless Steel</b>	<b>.500</b>	<b>810</b>	<b>916</b>
<b>18</b>	<b>Blank</b>	<b>New Steel</b>	<b>.500</b>	<b>916</b>	<b>932</b>
<b>18</b>	<b>Screen</b>	<b>New Pipe Base Stainless Steel</b>	<b>.500</b>	<b>932</b>	<b>980</b>
<b>18</b>	<b>Blank</b>	<b>New Steel</b>	<b>.500</b>	<b>980</b>	<b>1000</b>
<b>18</b>	<b>Screen</b>	<b>New Pipe Base Stainless Steel</b>	<b>.500</b>	<b>1000</b>	<b>1084</b>
<b>18</b>	<b>Blank</b>	<b>New Steel</b>	<b>.500</b>	<b>1084</b>	<b>1112</b>
<b>18</b>	<b>Screen</b>	<b>New Pipe Base Stainless Steel</b>	<b>.500</b>	<b>1112</b>	<b>1204</b>
<b>18</b>	<b>Blank</b>	<b>New Steel</b>	<b>.500</b>	<b>1204</b>	<b>1210</b>

664	697	SHALE, TIGHT
697	776	S-SHALE
776	928	SAND
928	931	SHALE
931	986	SAND
986	996	SHALE
996	1086	SAND, ROCKS
1086	1102	SHALE, TIGHT
1102	1121	SAND, S-SHALE
1121	1171	SAND
1171	1173	SHALE, ROCK
1173	1213	SAND
1213	1230	S-SHALE
1230	1240	SAND

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**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #71146

Owner: <b>City of Bryan</b> Address: <b>P.O. Box 1000 Bryan, TX 77805</b> Well Location: <b>OSR &amp; Peyton Road Bryan, TX</b> Well County: <b>Brazos</b>	Owner Well #: <b>18</b> Grid #: <b>59-21-1</b> Latitude: <b>30° 43' 40" N</b> Longitude: <b>096° 28' 31" W</b> Elevation: <b>No Data</b>
Type of Work: <b>New Well</b>	
Proposed Use: <b>Public Supply</b>	

Drilling Start Date: **11/22/2004**      Drilling End Date: **10/8/2005**      Plans Approved by TCEQ - **YES**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>36</b>	<b>0</b>	<b>100</b>
	<b>24</b>	<b>0</b>	<b>800</b>
	<b>16</b>	<b>800</b>	<b>2322</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed; Under-reamed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>2127</b>	<b>2770</b>	<b>Gravel</b>	<b>12-20</b>

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>190</b>	<b>257-Cement</b>
	<b>0</b>	<b>2322</b>	<b>2256-cement</b>

Seal Method: **Positive Displacement**

Distance to Property Line (ft.): **No Data**

Sealed By: **Advanced Oil Svc**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

Water Level: **220.75 ft. below land surface on 2005-11-01**      Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Turbine**      Pump Depth (ft.): **500**

Well Tests: **Pump**      Yield: **3503 GPM with 93.92 ft. drawdown after 36 hours**

Water Quality:	Strata Depth (ft.)	Water Type
	<b>2328-2750</b>	<b>Desirable</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Weisinger Water Well, Inc.**  
**2200 East Davis**  
**Conroe, TX 77301**

Driller Name: **James Edward Murphy** License Number: **3153**

Comments: **45.39 specific capacity @ 3503 gpm after 1 hour**  
**30" underreamed 2322-2770**  
**12-20 Unimin Gravel**

**Amended 12/15/05 ref#2702**  
**TWDB assigned SWN 5921108.**

**Report Amended on by Request #2702**

**Report Amended on 4/6/2017 by Request #21125**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	8	dirt
8	60	clay
60	100	shale
100	150	clay
150	245	Sand
245	274	dark clay
274	305	clay,sandy clay
305	336	sandy clay
336	356	sand
356	428	dark clay
428	460	shale,sand
460	490	sand,shale,sand

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
24	N	Surface Casing	0-800
16	N	Surface Casing	800-2322
10	N	Blank Liner	2122-2328
10	N	Pipe Base Screen	2328-2520 .025
10	N	Blank Liner	2520-2530
10	N	Pipe BaseScreen	2530-2588 .025
10	N	Blank Liner	2588-2598
10	N	Pipe Base Screen	2598-2606 .025
10	N	Blank Liner	2606-2612
10	N	Pipe Base Screen	2612-2647 .025
10	N	Blank Liner	2647-2654
10	N	Pipe Base Screen	2654-2690 .025
10	N	Blank Liner	2690-2704

490	525	dark clay
525	560	clay,sandy shale
560	585	shale,sand
585	615	sand,clay sandy
615	650	sandy,shale
650	680	sandy shale,sand
680	710	sand,shale
710	740	sand
740	771	sand,shale streak
771	802	shale
802	833	sand
833	864	shale & sand streak
864	900	shale
900	1060	shale,sand streaks
1060	1090	shale
1090	1120	shale,sandy shale
1120	1155	shale,sand
1155	1200	sand
1200	1240	shale,sand streaks
1240	1300	sandy shale
1300	1492	sticky shale
1492	1556	shale & sand streaks
1556	1587	shale & lignite
1587	1619	shale
1619	1635	sand
1635	1650	shale & sand streaks
1650	1680	shale
1680	1713	shale & sand streaks
1713	1745	shale & sand
1745	1810	sand
1810	1840	sand & shale
1840	1871	shale & sandy shale
1871	1960	sand
1960	1980	shale
1980	2000	sand
2000	2030	hard shale
2030	2090	shale

10 N Pipe Base Screen 2704-2750 .025
10 N Blank Liner & BPV 2750-2770

2090	2155	shale,sand streaks
2155	2182	shale,hard shale
2182	2215	shale
2215	2250	shale & sand streaks
2250	2320	shale
2320	2400	sand
2400	2412	shale
2412	2435	course sand
2435	2440	sand
2440	2465	sand & shale
2465	2495	shale
2495	2515	sand
2515	2527	shale
2527	2558	shale,sand
2558	2619	sand
2619	2651	shale,sand
2651	2685	shale
2685	2746	sand
2746	2809	shale
2809	2880	sand
2880	2900	hard shale

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #172420

Owner:	City of College Station Well No.7	Owner Well #:	7
Address:	P.O. Box 9960 College Station, TX 77843	Grid #:	59-21-4
Well Location:	OSR/NW of Sandy Point Rd College Station, TX	Latitude:	30° 42' 21" N
Well County:	Brazos	Longitude:	096° 29' 19" W
		Elevation:	No Data
Type of Work: <b>New Well</b>		Proposed Use: <b>Public Supply</b>	

Drilling Start Date: **11/26/2007**      Drilling End Date: **3/26/2009**      Plans Approved by TCEQ - **YES**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>48</b>	<b>0</b>	<b>92</b>
	<b>26</b>	<b>0</b>	<b>800</b>
	<b>22</b>	<b>800</b>	<b>2389</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed; Under-reamed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>2389</b>	<b>2965</b>	<b>Gravel</b>	<b>12-20 #1</b>

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>2389</b>	<b>2388-Cement</b>

Seal Method: **Positive Displacement**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

Water Level: **199 ft.** below land surface on **2008-03-18**      Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Turbine**      Pump Depth (ft.): **470**

Well Tests: **Pump**      Yield: **3008 GPM with 65 ft. drawdown after 36 hours**



Water Quality:	<i>Strata Depth (ft.)</i>	<i>Water Type</i>
	<b>2395-2945</b>	<b>Desirable</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Weisinger Water Well, Inc.**

**2200 East Davis  
Conroe, TX 77301**

Driller Name: **Clint Gaskins**

License Number: **54561**

Apprentice Name: **Bobby Terry**

Apprentice Number: **57233**

Comments: **PWS ID#0210002  
UNIMIN #1 12-20  
SCREEN GAUGE .025  
26" UNDERREAMED  
Assigned SWN 59-21-415 by TWDB on 6/9/2010.**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
0	60	Clay
60	173	Clay,Some Gravel
173	204	Clay,Gravel
204	235	Clay
235	298	Clay,Sand
298	330	Gravel,Sand
330	361	Clay,Gravel
361	423	Clay
423	486	Clay,Sand
486	517	Clay
517	547	Clay,some Gravel
547	578	Sand,little gravel
578	609	Clay,little sand
609	641	Clay,sand
641	672	Clay

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
20	N	Surface Casing	2-800
16	N	Surface Casing	800-2389
10	N	Blank Liner	2239-2395
10	N	SS Screen	2395-2468
10	N	Blank Liner	2468-2485
10	N	SS Screen	2485-2666
10	N	Blank Liner	2666-2685
10	N	SS Screen	2685-2724
10	N	Blank Liner	2724-2740
10	N	SS Screen	2740-2746
10	N	Blank Liner	2746-2761
10	N	SS Screen	2761-2767
10	N	Blank Liner	2767-2783
10	N	SS Screen	2783-2827
10	N	Blank Liner	2827-2844
10	N	SS Screen	2844-2850

672	733	Sand,Clay
733	764	Sand
764	796	Clay
796	827	Sand,Clay
827	980	Sand,Gravel
980	1011	Sand,Clay
1011	1042	Clay
1042	1074	Sand,little clay
1074	1105	sand
1105	1136	Sand,Shale
1136	1167	Shale
1167	1197	Shale,Sand
1197	1228	Clay,Sand
1228	1290	Clay
1290	1322	Clay,Gravel
1322	1385	Gravel,Clay
1385	1417	Clay,Gravel
1417	1510	Clay
1510	1541	Lignite,Clay
1541	1572	Clay,Gravel
1572	1603	Gravel
1603	1634	Gravel,little Sand
1634	1665	Gravel,Sand
1665	1674	Clay
1674	1759	Sand,some Gravel
1759	1791	Gravel,Sand
1791	1822	Clay
1822	1853	Gravel
1853	1914	Sand
1914	1945	Sand,Gravel
1945	1977	Clay,Sand
1977	2007	Clay,some Sand
2007	2037	Clay
2037	2069	Shale,Clay
2069	2101	Shale,little Clay
2101	2163	Gravel,Clay
2163	2194	Clay,Sand

10 N Blank Liner 2850-2868
10 N SS Screen 2868-2945
10 N Blank Liner & BPV 2945-2965
Cement Plug 2970-3000

2194	2225	Clay,Sand
2225	2256	Lignite,Clay
2256	2287	Clay,little Gravel
2287	2319	Clay
2319	2382	Clay,Sand
2382	2413	Sand
2413	2475	Sand,little Clay
2475	2506	Clay,Sand
2506	2537	Sand,some Clay
2537	2569	Sand
2569	2630	Sand,Gravel
2630	2660	Gravel,little Sand
2660	2691	Clay,Gravel
2691	2723	Clay,Gravel,Shale
2723	2754	Gravel,Clay
2754	2785	Clay,Shale
2785	2817	Clay,Sand
2817	2848	Sand,Clay
2848	2879	Sand,little Clay
2879	2910	Sand
2910	2941	Sand,Gravel
2941	3000	Clay,Shale

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Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #195663

Owner: <b>City of College Station</b>	Owner Well #: <b>Sparta No. 1</b>
Address: <b>1101 Texas Avenue College Station, TX 77842</b>	Grid #: <b>59-21-5</b>
Well Location: <b>From OSR &amp; FM 1687 - 2.5 mi on FM 1687 to water plant College Station, TX 77842</b>	Latitude: <b>30° 41' 56" N</b>
	Longitude: <b>096° 27' 06" W</b>
Well County: <b>Brazos</b>	Elevation: <b>No Data</b>
<hr/>	
Type of Work: <b>New Well</b>	Proposed Use: <b>Public Supply</b>

Drilling Start Date: **2/15/2006**

Drilling End Date: **5/26/2006**

Plans Approved by TCEQ - **YES**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>36</b>	<b>0</b>	<b>40</b>
	<b>24</b>	<b>40</b>	<b>441</b>
	<b>18</b>	<b>441</b>	<b>540</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed; 24" Underream**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>361</b>	<b>540</b>	<b>Gravel</b>	

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>441</b>	<b>546</b>

Seal Method: **Positive Displacement**

Distance to Property Line (ft.): **No Data**

Sealed By: **Advanced Oilwell Service**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

Water Level: **132.4 ft. below land surface on 2006-06-08**      Measurement Method: **Unknown**

Packers: **n/a**

Type of Pump: **Turbine**      Pump Depth (ft.): **350**

Well Tests: **Pump**      Yield: **1218 GPM with 81.6 ft. drawdown after 36 hours**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	No Data

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **J & S Water Wells**  
**P.O. Box 675**  
**Bellville, TX 77418**

Driller Name: **Monte D. Richardson** License Number: **54385**

Comments: **Type pump: Goulds Model # 11CMC-7 / 125 HP USEM**  
**\$mew**  
**TWDB SW #59-21-510**  
**7/8/2010 Doc Jones**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	40	30-inch Conductor
40	44	Red Clay
44	65	Gray Sand & Rocks
65	92	Gray Clay & Sand Streaks
92	127	Gray Clay
127	185	Gray Shale
185	233	Rocks & Shale
233	243	Gray Sand & Shale Streaks
243	285	Gray Shale & Clay
285	333	Gray Semi-Coarse Sand
333	360	Gray Clay
360	365	Sand
365	420	Gray Clay
420	500	Light Gray Coarse Sand
500	520	Hard Rocks & Coarse Sand
520	577	Hard Gray Clay

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>Installed Material Record &amp; Figure attached to original form.</b>			

577	600	Gray Sand & Rocks
600	630	Gray Sand
630	640	Rocks & Sand
640	688	Clay & Sand Streaks
688	780	Gray Sand Mixed with Some Rocks
780	790	Gray Clay
790	864	Gray Sand & Rocks

---

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

## STATE OF TEXAS WELL REPORT for Tracking #212279

Owner:	CITY OF COLLEGE STATION WELL # 8	Owner Well #:	3
Address:	300 KRENEK RD, 2ND FLOOR COLLEGE STATION, TX 77840	Grid #:	59-20-3
Well Location:	4036 WEST OSR BRYAN, TX 77807	Latitude:	30° 42' 32" N
Well County:	Brazos	Longitude:	096° 30' 24" W
		Elevation:	No Data
Type of Work: <b>New Well</b>		Proposed Use: <b>Public Supply</b>	

Drilling Start Date: **10/19/2009**

Drilling End Date: **3/6/2010**

Plans Approved by TCEQ - **YES**

	Diameter (in.)	Top Depth (ft.)	Bottom Depth (ft.)
Borehole:	<b>42</b>	<b>0</b>	<b>86</b>
	<b>30</b>	<b>86</b>	<b>1200</b>
	<b>22</b>	<b>1200</b>	<b>2146</b>

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed; Under-reamed**

	Top Depth (ft.)	Bottom Depth (ft.)	Filter Material	Size
Filter Pack Intervals:	<b>1986</b>	<b>2749</b>	<b>Gravel</b>	<b>12/20</b>

	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & material)
Annular Seal Data:	<b>0</b>	<b>86</b>	<b>92</b>
	<b>0</b>	<b>2146</b>	<b>2083</b>

Seal Method: **Positive Displacement**

Distance to Property Line (ft.): **50**

Sealed By: **SCHLUMBERGER**

Distance to Septic Field or other concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **ENGINEERING FIRM**

Surface Completion: **Surface Slab Installed**

Water Level: **103.33 ft. below land surface on 2010-03-06** Measurement Method: **Unknown**

Packers: **N/A**

Type of Pump: **Turbine** Pump Depth (ft.): **585**

Well Tests: **Pump** Yield: **3002 GPM with 70 ft. drawdown after 36 hours**

Plug Information:	Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
	<b>2790 TO 2750 40 SACKS</b>		

Water Quality:	Strata Depth (ft.)	Water Type
	<b>SEE ABOVE</b>	<b>FRESH</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **ALSAY INCORPORATED**  
**6615 GANT**  
**HOUSTON, TX 77066**

Driller Name: **BRITT ROLLIE** License Number: **4992**

Apprentice Name: **DAVID SIGMAN** Apprentice Number: **58292**

Comments: **Hammons, Travis P.**  
**58346**  
**TWDB swm 5920317 added 3/19/2013**

Lithology:  
 DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
 BLANK PIPE & WELL SCREEN DATA

From (ft)	To (ft)	Description
<b>0</b>	<b>6</b>	<b>Sub-structure</b>
<b>6</b>	<b>27</b>	<b>Dark Brown Clay</b>
<b>27</b>	<b>68</b>	<b>Gravel</b>
<b>68</b>	<b>132</b>	<b>Gray Sandy Clay</b>
<b>132</b>	<b>204</b>	<b>Dark Gray Coarse Sand w/ Lignite</b>
<b>204</b>	<b>244</b>	<b>Dark Gray Clay</b>
<b>244</b>	<b>256</b>	<b>Sand (Dark Gray)</b>
<b>256</b>	<b>266</b>	<b>Clay (Dark Gray)</b>
<b>266</b>	<b>332</b>	<b>Sand (w/ Clay Streaks)</b>
<b>332</b>	<b>362</b>	<b>Clay (Dark Gray)</b>
<b>362</b>	<b>400</b>	<b>Sand (Dark Gray)</b>
<b>400</b>	<b>424</b>	<b>Clay (Dark Gray)</b>
<b>424</b>	<b>610</b>	<b>Sand (Gray)</b>
<b>610</b>	<b>634</b>	<b>Clay (Dark Gray)</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>36</b>	<b>N</b>	<b>STEEL 0-86</b>	<b>.312</b>
<b>24</b>	<b>N</b>	<b>STEEL (ABOVE NAT. GRND LVL)</b>	<b>12-1200 .500</b>
<b>16</b>	<b>N</b>	<b>STEEL W/SWEDGE</b>	<b>1200-2146 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>1976-2160 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2160-2284 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2284-2292 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2292-2466 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2466-2472 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2472-2484 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2484-2489 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2489-2550 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2550-2556 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2556-2577 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2577-2582 .500</b>
<b>10-3/4</b>	<b>N</b>	<b>STEEL W/SS SCREEN</b>	<b>2582-2592 .500</b>



634 û 700 Sand (Gray)
700 û 870 Clay (Gray)
870 û 930 Gray Sandy Clay
930 û 1122 Sand (Few Clay Streaks)
1122 û 1228 Clay (Gray)
1228 û 1268 Sandy Clay (Gray)
1268 û 1282 Clay (Gray)
1282 û 1370 Sandy Gray Clay
1370 û 1702 Clay (Gray)
1702 û 1774 Sandy Gray Clay
1774 û 1804 Clay (Gray)
1804 û 1814 Sand (Gray)
1814 û 1842 Sandy Clay (Gray)
1842 û 1926 Sand (Gray)
1926 û 1960 Sandy Gray Clay
1960 û 1996 Sand (Gray)
1996 û 2010 Clay (Gray)
2010 û 2036 Sand (Gray)
2036 û 2050 Clay (Gray)
2050 û 2054 Sand
2054 û 2066 Clay (Gray)
2066 û 2132 Sand (Gray)
2132 û 2160 Sandy Clay (Gray)
2160 û 2284 Sand
2284 û 2292 Clay (Whitish Gray)
2292 û 2594 Sand (Some Lignite Streaks)
2594 û 2630 Clay (Gray)
2630 û 2816 Sand
2816 û 2860 Sandy Clay (Gray)
2860 û 2874 Sand
2874 û 2904 Clay (Gray)
2904 û 3007 Sandy Gray Clay

10-3/4 N STEEL W/SS SCREEN 2592-2631 .500
10-3/4 N STEEL W/SS SCREEN 2631-2724 .500
10-3/4 N STEEL W/SS SCREEN 2724-2749 .500



Water Quality:

<i>Strata Depth (ft.)</i>	<i>Water Type</i>
<b>No Data</b>	<b>No Data</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information:

Driller Name: **Monte Richardson** License Number: **54385**

Comments: **Carrizo Well #1**  
**24 conductor 36' Hole**  
**24' Underream**

**^CLH**

Lithology:  
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
BLANK PIPE & WELL SCREEN DATA

<i>Top (ft.)</i>	<i>Bottom (ft.)</i>	<i>Description</i>
<b>0</b>	<b>40</b>	<b>24 inch conductor</b>
<b>40</b>	<b>126</b>	<b>gray clay</b>
<b>126</b>	<b>140</b>	<b>gray sand</b>
<b>140</b>	<b>170</b>	<b>clay</b>
<b>170</b>	<b>185</b>	<b>gray sand</b>
<b>185</b>	<b>240</b>	<b>rocks &amp; clay</b>
<b>240</b>	<b>350</b>	<b>rocks &amp; gray sand</b>
<b>350</b>	<b>380</b>	<b>hard gray shale</b>
<b>380</b>	<b>400</b>	<b>gray sand &amp; rocks</b>
<b>400</b>	<b>413</b>	<b>gray clay</b>
<b>413</b>	<b>423</b>	<b>hard gray sand with coal streaks</b>
<b>423</b>	<b>454</b>	<b>gray clay &amp; coal</b>
<b>454</b>	<b>510</b>	<b>gray clay &amp; rocks</b>
<b>510</b>	<b>540</b>	<b>sand &amp; coal</b>

<i>Dia. (in.)</i>	<i>New/Used</i>	<i>Type</i>	<i>Setting From/To (ft.)</i>
<b>See Attached Installed Material record</b>			

540	570	sand & rocks with coal streaks
570	618	gray clay & coal
618	628	gray sand
628	640	gray clay
640	685	gray sand
685	705	gray clay
705	826	gray sand
826	1030	hard gray clay
1030	1115	gray clay & rocks
1115	1260	white sand & rocks
1260	1290	white sand with clay streaks
1290	1330	gray clay
1330	1340	white sand & rocks
1340	1390	gray clay
1390	1400	white sand
1400	1415	coal
1415	1446	hard gray clay

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**



Plug Information:

Description (number of sacks & material)	Top Depth (ft.)	Bottom Depth (ft.)
<b>Cement</b>	<b>2634</b>	<b>2800</b>

Water Quality:

Strata Depth (ft.)	Water Type
<b>2088 - 2610</b>	<b>Fresh</b>

Chemical Analysis Made: **Yes**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Weisinger, Inc**  
**2200 E DAVIS ST**  
**Conroe, TX 77301**

Driller Name: **Larry Jernigin** License Number: **50285**

Apprentice Name: **Seth Flynt** Apprentice Number: **59915**

Comments: **Datum Point (FT): 12ft above ground level for lithology, Casing, Screen, Liner and well completion depths.**

Lithology:  
 DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:  
 BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	160	sand
160	220	sand with clay seams
220	305	sand
305	310	sandy clay
310	550	sand
550	580	sandy clay
580	635	sand
635	740	sandy clay
740	770	clay with sand seams
770	785	clay
785	795	clay/sand
795	1000	sand with clay seams
1000	1020	clay
1020	1070	sand
1070	1085	sandy clay

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
24	Surface Casing	New Steel	.500	2	1200
20	Surface Casing	New Steel	.500	1200	2078
14	Blank	New Steel	.500	1928	2088
14	Screen	New Pipe Base Stainless Steel	.500 0.025	2088	2358
14	Blank	New Steel	.500	2358	2368
14	Screen	New Pipe Base Stainless Steel	.500 0.025	2368	2430
14	Blank	New Steel	.500	2430	2444
14	Screen	New Pipe Base Stainless Steel	.500 0.025	2444	2610
14	Blank	New Steel	.500 0.5	2610	2630

1085	1290	sand/lignite
1290	1300	clay/lignite
1300	1335	sand lignite
1335	1350	clay/lignite
1350	1775	sand/lignite
1775	1800	sand
1800	1880	sandy clay/ lignite
1880	1970	sandy clay/lignite
1970	1985	clay
1985	2090	sand/clayseams/lignite
2090	2680	sand/lignite seams
2680	2800	sand seams/shale/lignite

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**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

Please use black ink.  
Send original copy by certified mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Robt. Earl Bishop (Name) Address P.O. Box 131 (Street or RFD) HEARNE, TX. (City) 77859 (State) (Zip)  
2) LOCATION OF WELL: County ROBERTSON 1 miles in N direction from HEARNE (N.E., S.W., etc.) (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 \_\_\_\_\_

#1.  See attached map.

3) TYPE OF WORK (Check):  New Well  Deepening  Reconditioning  Plugging  
4) PROPOSED USE (Check):  Domestic  Industrial  Monitor  Public Supply  Irrigation  Test Well  Injection  Other \_\_\_\_\_  
5) DRILLING METHOD (Check):  Mud Rotary  Air Hammer  Jetted  Bored  Air Rotary  Cable Tool  Other \_\_\_\_\_  Driven

6) WELL LOG: Date Drilling: Started 5-23 1988 Completed 5-28 1988  
DIAMETER OF HOLE: Dia. (in.) From (ft.) To (ft.)  
Surface 1 1/4 555  
3/8 555 4193  
7) BOREHOLE COMPLETION:  Open Hole  Straight Wall  Underreamed  Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval ... from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	To	Gage Casing Screen
0	45	CLAY, IRON ORE, & SAND						
45	60	GRAY CLAY						
60	75	SHALE	4	N	P.V.C.	0	540	
75	230	SAND	2	N	GALV. STEEL	507	1131	
230	285	SAND & S-SHALE	2	N	S.S. (U.B.) SCREEN	1131	1151	.020
285	307	SAND (B)	2	N	GALV. STEEL	1151	1193	
307	351	SHALE & S-SHALE						
351	353	COAL						
353	390	SHALE						
390	430	SAND						
430	460	" & S-SHALE						
460	485	SHALE & S-SHALE						
485	500	SHALE						
500	530	BROWN SHALE & COAL						
530	555	S-SHALE						
555	610	SHALE						
610	675	SAND						
675	678	COAL						
678	700	S-SHALE						
700	730	" & SAND						
730	804	" & SHALE						
804	828	SHALE 1093-1104 S-SHALE						
828	920	SAND 1104-1118 SHALE & COAL						
920	939	SHALE 1118-1153 SAND						
939	960	" & SAND						
960	968	COAL 1153-1193 SAND & S-SHALE						
968	1015	SHALE						
1015	1093	S-SHALE (See reverse side if necessary)						

9) CEMENTING DATA [Rule 319.44(b)]  
Cemented from 0 ft. to 540 ft. No. of Sacks Used 26  
ft. to \_\_\_\_\_ ft. No. of Sacks Used \_\_\_\_\_  
Method used PRESSURE  
Cemented by P. BRIEN

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Pitless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level 78 ft. below land surface Date 5-28-88  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type \_\_\_\_\_ Depth \_\_\_\_\_

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 180 ft.

15) 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

14) WELL TESTS:  
Type Test:  Pump  Bailer  Jetted  Estimated  
Yield: 50 gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

I here by 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 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME BRIEN WATER WELLS (Type or Print) Water Well Driller's License No. 1750  
ADDRESS Rt. 1 Box 702 (Street or RFD) HEARNE (City) TX. (State) 77859 (Zip)  
(Signed) [Signature] (Licensed Water Well Driller) (Signed) \_\_\_\_\_ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available. For TWC use only Well No. 59-03-9 Located on map \_\_\_\_\_



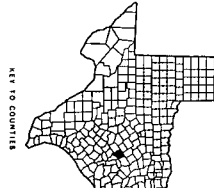
#1 Bishop  
#2 NEEL



**GENERAL HIGHWAY MAP  
ROBERTSON COUNTY  
TEXAS**

PREPARED BY THE  
**STATE DEPARTMENT OF HIGHWAYS  
AND PUBLIC TRANSPORTATION**  
TRANSPORTATION PLANNING DIVISION  
IN COOPERATION WITH THE  
**U.S. DEPARTMENT OF TRANSPORTATION**  
FEDERAL HIGHWAY ADMINISTRATION

1969  
HIGHWAYS REVISION TO MARCH 1, 1964



**LEGEND**

	INTERSTATE HIGHWAY
	FEDERAL HIGHWAY
	STATE HIGHWAY
	COUNTY ROAD
	LOCAL ROAD
	RAILROAD
	WATERWAY
	AIRPORT
	CITY
	TOWN
	VILLAGE
	UNINCORPORATED COMMUNITY
	SCHOOL
	CHURCH
	CEMETERY
	PUBLIC BUILDING
	INDUSTRIAL BUILDING
	WAREHOUSE
	GAS STATION
	TELEPHONE EXCHANGE
	POWER LINE
	WATER LINE
	SEWER LINE
	GAS LINE
	ELECTRIC LINE
	TELEPHONE LINE
	CABLE LINE
	RAILROAD RIGHT-OF-WAY
	INTERSTATE RIGHT-OF-WAY
	FEDERAL RIGHT-OF-WAY
	STATE RIGHT-OF-WAY
	COUNTY RIGHT-OF-WAY
	LOCAL RIGHT-OF-WAY
	WATERWAY RIGHT-OF-WAY
	AIRPORT RIGHT-OF-WAY
	CITY RIGHT-OF-WAY
	TOWN RIGHT-OF-WAY
	VILLAGE RIGHT-OF-WAY
	UNINCORPORATED COMMUNITY RIGHT-OF-WAY
	SCHOOL RIGHT-OF-WAY
	CHURCH RIGHT-OF-WAY
	CEMETERY RIGHT-OF-WAY
	PUBLIC BUILDING RIGHT-OF-WAY
	INDUSTRIAL BUILDING RIGHT-OF-WAY
	WAREHOUSE RIGHT-OF-WAY
	GAS STATION RIGHT-OF-WAY
	TELEPHONE EXCHANGE RIGHT-OF-WAY
	POWER LINE RIGHT-OF-WAY
	WATER LINE RIGHT-OF-WAY
	SEWER LINE RIGHT-OF-WAY
	GAS LINE RIGHT-OF-WAY
	ELECTRIC LINE RIGHT-OF-WAY
	TELEPHONE LINE RIGHT-OF-WAY
	CABLE LINE RIGHT-OF-WAY

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

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER LARRY ZEIG (Name) Address P.O. Box 653 HEARNE, TX 77859 (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: County Robertson 1 miles in N (N.E., S.W., etc.) direction from HEARNE (Town)

Legal description:

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.

Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_

See attached map. # 13 Map on 59-04-7E

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 10-22-84  
DIAMETER OF HOLE  
Dia. (in.) From (ft.) To (ft.)  
6 1/4 Surface 555  
3 3/4 555 1270  
7) BOREHOLE COMPLETION:  
 Open Hole  Straight Wall  Underreamed  
 Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval . . . from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	To	Gage Casing Screen
		<u>0-49 SAND, CLAY, IRON ORE</u>						
		<u>49-135 Shale</u>						
		<u>135-185 SAND+S-SHALE</u>	<u>4</u>	<u>N</u>	<u>BK STEEL</u>	<u>0</u>	<u>549</u>	
		<u>185-269 SAND</u>	<u>2</u>	<u>N</u>	<u>GALV. ✓</u>	<u>540</u>	<u>1229</u>	
		<u>269-385 SAND+S-SHALE</u>	<u>2</u>	<u>N</u>	<u>S.S. UNDERBAR SCREEN</u>	<u>1229</u>	<u>1249</u>	<u>01.2</u>
		<u>385-453 S-SHALE</u>	<u>2</u>	<u>N</u>	<u>GALV. STEEL</u>	<u>1249</u>	<u>1270</u>	
		<u>453-455 COAL</u>						
		<u>455-568 S-SHALE</u>						
		<u>568-588 SAND (B)</u>						
		<u>588-708 SAND+S-SHALE</u>						
		<u>708-787 SAND (FINE)</u>						
		<u>787-861 S-SHALE</u>						
		<u>861-879 SAND (B)</u>						
		<u>879-887 COAL+SHALE</u>						
		<u>887-987 S-SHALE+SHALE</u>						
		<u>987-990 COAL</u>						
		<u>990-1033 SHALE 1207-1213 SAND (FINE)</u>						
		<u>1033-1036 COAL 1213-1221 SHALE</u>						
		<u>1036-1062 SHALE 1221-1269 SAND</u>						
		<u>1062-1070 COAL 1269-1270 SHALE</u>						
		<u>1070-1100 SHALE</u>						
		<u>1100-1108 SAND</u>						
		<u>1108-1119 SHALE</u>						
		<u>1119-1135 SAND (B)</u>						
		<u>1135-1163 ✓</u>						
		<u>1163-1178 ✓ (FINE+BROKEN)</u>						
		<u>1178-1207 SHALE</u>						

CEMENTING DATA

Cemented from 0 ft. to 549 ft.  
Method used PRESSURE  
Cemented by P. BRIEN (Company or Individual)

9) WATER LEVEL:  
Static level 115 ft. below land surface Date 11-8-84  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

10) PACKERS: Type Depth  
LEAD SEAL 540'  
K-PACKER 541'  
ESLAP 1092', 1197', & 1218'

11) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
 Other \_\_\_\_\_  
Depth to pump bowls, cylinder, jet, etc., 294 ft.

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

12) WELL TESTS:  
 Type Test:  Pump  Bailer  Jetted  Estimated  
Yield: 30 gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ 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.

COMPANY NAME BRIEN WATER WELLS Water Well Driller's License No. 1750  
ADDRESS RT 1 Box 702 HEARNE TX 77859  
(Signed) P. Brien (Licensed Water Well Driller) (Signed) \_\_\_\_\_ (Registered Driller Trainee)

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

For TDWR use only  
Well No. 59-04-7E  
Located on map YES DLE

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

State of Texas  
WATER WELL REPORT

Texas Water Well Drillers Board  
P. O. Box 13087  
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER RONNIE SWARNER (Name) Address 26 Woodland DR HEARNE, TX 77859 (Street or RFD) (City) (State) (Zip)  
2) LOCATION OF WELL: County ROBERTSON (County) miles in N (N.E., S.W., etc.) direction from HEARNE (Town)

Legal description: Section No. \_\_\_\_\_ Block No. \_\_\_\_\_ Township \_\_\_\_\_  
Abstract No. \_\_\_\_\_ Survey Name \_\_\_\_\_  
Distance and direction from two intersecting section or survey lines \_\_\_\_\_  
 See attached map. # 1.

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 9-5-84  
DIAMETER OF HOLE: Dia. (in.) From (ft.) To (ft.)  
6 1/4 Surface 445  
3 3/8 445 1225  
7) BOREHOLE COMPLETION:  Open Hole  Straight Wall  Underreamed  Gravel Packed  Other \_\_\_\_\_  
If Gravel Packed give interval . . . from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From (ft.)	To (ft.)	Description and color of formation material	Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	To	Gage Casing Screen
0-35		Clay + Iron Ore						
35-125	800-822	Shale						
125-340	822-827	SAND (B)	4	N	P.V.C.	0	440	
340-361	827-828	S-Shale	2	N	Galv. Steel	409	1190	
361-365	828-835	Rock	2	N	S.S. Underbar Screen	1190	1210	dia 2
365-445	835-854	S-Shale	2	N	Galv. Steel	1210	1225	
445-450	854-856	SAND						
450-470	856-871	Shale + Coal						
470-488	871-880	SAND (B)						
488-490	880-895	S-Shale						
490-500	895-905	S-Shale						
500-510	905-910	SAND						
510-518	910-933	S-Shale + Coal						
518-530	933-946	S-Shale						
530-580	946-955	SAND						
580-628	955-973	Shale						
628-654	973-984	Rock						
654-655	984-981	Shale						
655-667	981-986	SAND + S-Shale						
667-699	986-1008	SAND (B)						
699-705	1008-1020	S-Shale						
705-715	1020-1106	SAND (B)						
715-740	1106-1166	Shale + Coal						
740-750	1166-1173	SAND						
750-777	1173-1195	S-Shale						
777-795	1195-1220	Shale						
795-800	1220-1225	Coal						

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:  
9) CEMENTING DATA [Rule 319.44(b)]  
Cemented from 0 ft. to 440 ft.  
ft. to \_\_\_\_\_ ft.  
Method used PRESSURE  
Cemented by P. BRIEN

10) SURFACE COMPLETION  
 Specified Surface Slab Installed [Rule 319.44(c)]  
 Pitless Adapter Used [Rule 319.44(d)]  
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:  
Static level 103 ft. below land surface Date 9-8-84  
Artesian flow \_\_\_\_\_ gpm. Date \_\_\_\_\_

12) PACKERS: Type Depth  
Burlap 1075' & 1096'  
K-PARKER 409' & 430'

13) TYPE PUMP:  
 Turbine  Jet  Submersible  Cylinder  
Depth to pump bowls, cylinder, jet, etc., \_\_\_\_\_ ft.

15) 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

14) WELL TESTS:  
Type Test:  Pump  Bailer  Jetted  Estimated  
Yield: 20 gpm with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

RECEIVED  
JUN 25 1985  
DEPT. OF WATER RESOURCES

I here by 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 12 will result in the log(s) being returned for completion and resubmittal.  
COMPANY NAME BRIEN WATER WELLS Water Well Driller's License No. 1750  
ADDRESS RT. 1 Box 202 HEARNE TX 77859  
(Street or RFD) (City) (State) (Zip)  
(Signed) P. Brien (Signed) \_\_\_\_\_  
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.  
For TDWR use only  
Well No. 59-04-71  
Located on map yes C.F.S.

- #1 SWANER
- #2 BRADLEE
- #3 MIDDLETON
- #4 HORN
- #5 CONDOD
- #6 CODELAND
- #7 HARRIS
- #8 VOGELSMAN
- #9 KIRKNEY
- #10 LANGFORD
- #11 MARTIN
- #12 CRAYBELL
- #13 MARTINEZ
- #14 WILLKERSON



**GENERAL HIGHWAY MAP  
ROBERTSON COUNTY  
TEXAS**

PREPARED BY THE  
STATE DEPARTMENT OF HIGHWAYS  
AND PUBLIC TRANSPORTATION  
TRANSPORTATION PLANNING DIVISION  
IN COOPERATION WITH THE  
FEDERAL DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

1969  
1970 CENSUS FIGURES  
HIGHWAYS REVISED TO MARCH 1, 1969.

Scale: 1 inch = 10 miles  
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Approved by U.S. Department of Transportation, Federal Highway Administration, Washington, D.C.