

Water Quality Analysis

Sample Date: 12/0/1956 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Texas Department of Health

Sampled Aquifer: Simsboro Sand Member of Rockdale Formation

Analyzed Lab: Texas Department of Health

Reliability: Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)			0 mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		296.72	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		362.1	mg/L	
00910	CALCIUM (MG/L)		4	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		50	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		18	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		300	ug/L	
00920	MAGNESIUM (MG/L)		2	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.2	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		5.57		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		19.27		
00932	SODIUM, CALCULATED, PERCENT		95	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)	calculate d	189	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		830	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		27	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		450	mg/L	

Water Quality Analysis

Sample Date: 7/22/1980 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board
Sampled Aquifer: Simsboro Sand Member of Rockdale Formation
Analyzed Lab: Texas Department of Health **Reliability:** Collected from pumped well, but not filtered or preserved
Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		11	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		345	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		394.17	mg/L	
00910	CALCIUM (MG/L)		2.8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		13.2	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		51	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		9	mg/L	
00920	MAGNESIUM (MG/L)		0.73	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.1	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.8	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.7		
00955	SILICA, DISSOLVED (MG/L AS SiO2)		17	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		23.37		
00932	SODIUM, CALCULATED, PERCENT		97	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		183	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		805	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		1.9	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		21	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		463	mg/L	

Water Quality Analysis

Sample Date: 7/29/1987 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Simsboro Sand Member of Rockdale Formation

Analyzed Lab: Texas Department of Health

Reliability: Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		7	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		339	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		396.61	mg/L	
00910	CALCIUM (MG/L)		3	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		8.4	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		41	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		11	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		30	ug/L	
00920	MAGNESIUM (MG/L)		1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.04	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.7	SU	
00937	POTASSIUM, TOTAL (MG/L AS K)		1	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.55		
00955	SILICA, DISSOLVED (MG/L AS SiO2)		17	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		23.37		
00932	SODIUM, CALCULATED, PERCENT		97	PCT	
00929	SODIUM, TOTAL (MG/L AS Na)		183	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		800	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		34	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		455	mg/L	

Water Quality Analysis

Sample Date: 7/10/1989 **Sample Time:** 1000 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Simsboro Sand Member of Rockdale Formation

Analyzed Lab: Texas Department of Health

Reliability: Sampled using TWDB protocols

Collection Remarks: faucet

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		6	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		327	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		384.41	mg/L	
00915	CALCIUM, DISSOLVED (MG/L AS Ca)		2.8	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		7.2	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		43	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.4	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		9	mg/L	
71865	IODIDE (MG/L AS I)	<	0.1	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)		46	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		0.5	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	20	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.04	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.51	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		2.6	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.36		
00955	SILICA, DISSOLVED (MG/L AS SiO2)		17	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		28.06		
00932	SODIUM, CALCULATED, PERCENT		97	PCT	
00930	SODIUM, DISSOLVED (MG/L AS Na)		194	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		755	MICR	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		6	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		33	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		462	mg/L	

Water Quality Analysis

Sample Date: 10/7/2009 **Sample Time:** 1400 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Simsboro Sand Member of Rockdale Formation

Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: Lab Calculated Anion/Cation Chg Bal set to TWDB Calculated Value due to an error in the lab calculated formula

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CaCO3		344	mg/L	
82244	ALKALINITY PHENOLPHTHALEIN FIELD DATA (MG/L)		2	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		9	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		332	mg/L	
01503	ALPHA, DISSOLVED (PC/L)		9.2	PC/L	1.9
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	4.08	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		-0.54	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1.02	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2.04	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		54.9	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1.02	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		383.18	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		284	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.2	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1.02	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		2.89	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		10.8	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		47	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		1.35	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1.02	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1.02	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.42	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		11	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)	<	51	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1.02	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		17.6	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		0.78	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		8.16	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1.02	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.02	mg/L	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)	<	0.02	mg/L	
00300	OXYGEN, DISSOLVED (MG/L)		1.3	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.34	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.38	mg/L	
09511	RADIUM 226, DISSOLVED, RADON METHOD, PC/L	<	0.2	PC/L	0.12

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
59-04-701

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
81366	RADIUM 228, DISSOLVED (PC/L AS RA-228)	<	1.1	PC/L	0.7
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.43		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	4.08	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		17.1	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1.02	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		23.85		
00932	SODIUM, CALCULATED, PERCENT		97	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		177	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		790	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		191	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		2.2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		33.7	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1.02	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		448	mg/L	
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)	<	1.02	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	1.02	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	4.08	ug/L	

Water Quality Analysis

Sample Date: 8/6/2014 **Sample Time:** 1112 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Simsboro Sand Member of Rockdale Formation

Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: Lab Calculated Anion/Cation Chg Bal set to TWDB Calculated Value due to an error in the lab calculated formula

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CaCO3		344	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	<	20	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)		331	mg/L	
01503	ALPHA, DISSOLVED (PC/L)		4.68	PC/L	3.38
01106	ALUMINUM, DISSOLVED (UG/L AS AL)		4.7	ug/L	
50938	ANION/CATION CHG BAL, PERCENT		-1.92	PCT	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		57.5	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		403.93	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		290	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.214	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		2.95	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		47.8	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		1.15	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		1.98	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.45	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CaCO3)		11	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)	<	50	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		16.2	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		0.76	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		8.12	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	1	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.02	mg/L	
00631	NITRITE PLUS NITRATE, DISSOLVED (MG/L AS N)	<	0.02	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.34	SU	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		0.0693	mg/L	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		1.49	mg/L	
09503	RADIUM 226, DISSOLVED, PC/L	<	0.98	PC/L	0.15
81366	RADIUM 228, DISSOLVED (PC/L AS RA-228)	<	0.9	PC/L	0.32

**Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number
59-04-701**

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.41		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	4	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		18.3	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		22.96		
00932	SODIUM, CALCULATED, PERCENT		97	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		171	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		810	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		180	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)	<	2	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		34.4	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		442	mg/L	
22703	URANIUM, NATURAL, DISSOLVED (UG/L AS U)	<	1	ug/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	1	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)	<	4	ug/L	

* Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (<https://www.twdb.texas.gov/groundwater/data/gwdb rpt.asp>) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.

Water Quality:

Strata Depth (ft.)	Water Type
443-556	Good

Chemical Analysis Made: **No**

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: **Siegert Water Well Inc.**

**4411 Burt Rd.
Bryan, TX 77807**

Driller Name: **Jason Siegert**

License Number: **4252**

Comments: **^EO**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	7	sand
7	12	sandy clay
12	32	sandy clay and gravel
32	90	shale
90	100	sandy clay
100	180	shale
180	460	very sandy shale
460	489	sand
489	585	sandy shale
585	736	streaky sand
736	885	sandy shale
885	889	very hard rock
889	917	sandy shale
917	919	very hard rock
919	930	streaky sand
930	980	sand
980	1032	streaky sand
1032	1037	very sandy shale

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4"	N	PVC Blank	0'-840' B
2.5"	N	Galv Blank	830'-914' .012
2.5"	N	Galv Screen	914'-1040' B

1037	1040	hard shale
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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 #378269

Owner: BOSWELL, ANSELL	Owner Well #: No Data
Address: RT1 BOX 719 Hearne, TX 77859	Grid #: 59-12-2
Well Location: Old Hearne Road Hearne, TX 77859	Latitude: 30° 50' 33" N
Well County: Robertson	Longitude: 096° 33' 38" W
	Elevation: 306 ft. above sea level
Type of Work: Replacement	
Proposed Use: Domestic	

Drilling Start Date: **8/28/2014** Drilling End Date: **9/3/2014**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	12.25	0	12
	6.75	12	650
	3.875	650	700

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

Borehole Completion: **telescope**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks & material)</i>
Annular Seal Data:	0	12	10 Sakrete
	0	10	8 Sakrete
	435	640	23 Portland

Seal Method: **Grout and Pressure**

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

Sealed By: **Driller**

Distance to Septic Field or other concentrated contamination (ft.): **100 +**

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

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **55 ft. below land surface on 2014-09-02** Measurement Method: **Unknown**

Packers: **k-packer 604'**

Type of Pump: **Submersible** Pump Depth (ft.): **200**

Well Tests: **Jetted** Yield: **60+ GPM with 55 ft. drawdown after 4 hours**

Water Quality:

Strata Depth (ft.)	Water Type
637 - 700	Potable

Chemical Analysis Made: **No**

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: **Pete Brien**

License Number: **1750**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing:
BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description
0	5	Sand
5	80	Sand and Sandy Clay
80	260	Sandy Shale and Sand
260	380	Sandy Shale and Shale
380	610	Sand
610	637	Sandy Shale
637	700	Sand

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
8"	New	PVC Casing	0 - 12
4"	New	PVC Casing	+1 - 640
2"	New	Galvanized Liner	604 - 667
2.5"	New	PVC Screen	667 - 697 .016
2"	New	PVC pipe	697 - 700

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
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