

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	С	
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
 1
 Collection Entity:
 Texas Water Development Board

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	РСТ	
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



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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	С	
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/gwdbrpt.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.

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Attention Owner: Confidentiality Privilege Notice on reverse side of owner's copy.				staller Prog 2)463-7880 3-9202	ram FAX (512)		and fi and o	Form must be cor led with the dep wner within 60 completion of th	artment days
			CLL REP						
		ELL IDENTIFI	CATION	ND LOC		ANY COMPANY			
Name Goodland Farms#3	Address Rt. 1	Box 250	Ci	Hearr		S	tate Tx	Zip 7785	
2)-WELL-LOCATION	Physical Add		Ci			is in the second	tate	Zip	
$\mathbb{R}_{\text{Robertson}}$		485		Hearr	ne		Tx	7785	9
3) Type of Work	Lat.	d Use (check)	Loi		mental Soil		Grid # 59	-03-9 5)	NÎ
Replacement Deepening		K Irrigation	Injection	Public Si	1pply 🗖	-	Testviell	5)	
6) Drilling Date		ameter of Hole	ruone suppr			hod (check)	And the second s		
Started <u>11 / 18 /02</u>	Dia.(in)	From (ft)	To (ft)	Air	Rotary	Mud Rotary	D Fored		
Completed <u>12</u> / 13 / 02	36 24	0 67	67 1187			Cable Tool		G	
fla under de anteres anteres del presentation de la company de atrastición de la company de atrastición de atra	a an			14.015				· · · · · · · · · · · · · · · · · · ·	
0 - 40 Sand & Cla		02040311100	material	ີ ບບ	nder-rean	mpletion (ned CXGrave)	Packed	Other	
40 - 60 Gravel	1 Y	<u> </u>		If Gra	If Gravel Packed give the interval from 825 ft. to 1187 ft. Casing, Blank Pipe, and Well Screen Data				7 ft.
60 - 142 Sandy Sl	nale	······································		Dia.	New Or	Steel, Plastic Perf., Slotted	, etc.	Setting (ft)	Gage
142 - 495 Shale 8 495 - 555 Shale	Rocks	\$		(in.)	Used		, ele if commercial	From To	Casing Screen
<u>555 - 582 Sand</u>					····	See De	+		
582 - 747 Shale 8	Coal					back p			
747 - 838 Shale 8	Sand		<i>.</i>						
<u>838 - 985 Shale 8</u>		^y Shale		9) Ce	menting	Data () _	10 50	sks	
985 - 1127 Sandy		87.8		Ceme	9) Cementing Data $0 - 1050$ sks Cementing from <u>48</u> ft. to <u>75</u> ft. #of sacks used <u>50</u> <u>784</u> ft. to <u>825</u> ft. #of sacks used <u>50</u>				
(Use reverse side of Wel				Method Used Grout Pressure					
13) Plugged U Well plugge Casing left in well: Cement/Bentonite From (ft) To (ft) From (ft)	placed in well;		Sacks used	Distance to septic system field (c) the concentrated contamination a.ft. Method of verification of above distance matching and a set					nha_ft.
					urface Co	mpletion	Lett 14 1 - Barris Street		-
14) Type Pump					ified Surfac	e Slab Installed			<u></u>
	Submersible	Cylinder		C App	oved Alter	partive Procedure	Used		
Depth to pump bowls, cylinder, jet etc.,	<u>ft.</u>	·····			ater Lev	el	- man contract		
15) Water Test Typetest 20 Pump D Bailer D Jetted D Estimated				Static le Artesia			Date $\frac{12}{18}$	2004	
Yield: <u>750gpm with 112</u> ft. drawdown afterhrs. 16) Water Quality				12) Pa	ackers		/pe	Depth	
Did you knowingly penetrate a strata wh YES 💐 NO If yes, did you submit	ich contain und a REPORT OF	esirable constituents. UNDESIRABLE W	ATER			N/A			
Type of water Depth of Strata Was a chemical analysis made U Yes X No						<u> EQ - CE</u>	NTRAL	FILE ROZ)))[]
Company or individual's Name (type or print) Brien Water Wells Lic. No. 52000 WI									
Address 1 Box 702		DITEH M		Heari	ne internet	<u></u>	State ^{T X}	zip ⁷⁷⁸	
$\neg \neg $	p	12,24	DI	ignature		L		/	,
Licensed Driller/Pump Install		Date		Suala C	Ap	prentice		Date	
TOLD FORM MANYUUD			·····			F			

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IMPORTANT NOTICE FOR PERSONS HAVING WELL DRILLED CONCERNING CONFIDENTIALITY

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Section 32.005 of the Texas Water Code, concerning confidentiality information in the Reporting of Well Reports, reads as follows:

Every licensed driller drilling, deepening, or otherwise altering a water well in this state shall make and keep a legible and accurate well log in accordance with department rule on forms prescribed by the department. Not later than the 60th day after the completion or cessation of drilling, deepening, or otherwise altering the well, the licensed driller shall deliver or transmit by certified mail a copy of the well log to the department, the Texas Natural Resource Conservation Commission, and the owner of the well or the person for whom the well was drilled. The well log shall be recorded at the time of drilling and must show the depth, thickness, and character of the strata penetrated, the location of water-bearing strata, the depth, size, and character of casing installed, and any other information required by department rule. 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 or the person for whom the well was drilled.

The last sentence specifies the means whereby you may, if you wish, assure that logs of your wells will be kept confidential.

From (ft)			on and color	of formation 1	naterial
1127 -	1187	Sand			
Casing	, Blar	ık Pipe	, & Well	Screen	Data
Dia.	New			Fr.	to
30	N S	Steel		0	- 65
16	N S	steel		+2	- 984
516	N Pig	e Base	S.S.Scr	.984 -	1005
16 .	N St	eel		1005 -	1033
16	N St	eel	•	1033 -	1054
16	N St	eel		1054 -	1082
16	N Pir	e Base	S.S.Scr	.1082 -	1103
16	N St	.eel	· · · ·	1103	1131
16	N Pip	bebase s	S.S.Scr	1131 -	1173
16	·N `St	eel		1173 -	1175
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STATE OF TEXAS WELL REPORT for Tracking #127328						
Owner:	Skiles Dr., Cliff	Owner Well #:	Goodland #7			
Address:	Rt. 1 Box 250 Hearne, TX 77859	Grid #:	59-11-3			
Well Location:		Latitude:	30° 52' 25" N			
	Hearne, TX 77859	Longitude:	096° 39' 32" W			
Well County:	Robertson	Elevation:	No Data			
Type of Work:	New Well	Proposed Use:	Irrigation			

Drilling Start Date: 11/22/2004 Drilling End Date: 1/10/2007

	Diameter	(in.)	Top Depth (ft.)	Bottom Deptl	h (ft.)	
Borehole:	36		0	72		
	24		72	1131		
Drilling Method:	Reverse Circu	lation				
Borehole Completion:	Filter Packed					
	Top Depth (ft.)	Bottom Depth (ft.)	Filter	Material	Size	
Filter Pack Intervals:	908	1113	Gr	avel	12-20	
	Top Depth (ft.)	Bottom Depth	n (ft.) De	Description (number of sacks & mater		
Annular Seal Data:	0	12		3 Yds Concre	ete	
	58	72		26 Cement		
	875	908		40 Cement		
Seal Method: Pr	essure & Grout		Distance to P	roperty Line (ft.): 5	0+	
Sealed By: Dr	iller		Distance to Sep concentrated co	tic Field or other ontamination (ft.): N	lo Data	
			Distance to	Septic Tank (ft.): N	lo Data	
			Metho	od of Verification: M	leasured	
Surface Completion:	Surface Slab I	nstalled				
Water Level:	76 ft. below la	nd surface on 20	07-06-12 Mea	surement Method:	Unknown	
Packers:	No Data					
Type of Pump:	Turbine					
Well Tests:	Jetted	No Test I	Data Specified			

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	Strata Depth (ft.)	Water Type		
Water Quality:	985-1085	Potable		
		Chemical Analysis Mad	e: No	
	Did the driller	knowingly penetrate any strata whic contained injurious constituents		
Certification Data:		nat the driller drilled this well (or the v	vell was drill	ed under the
	correct. The driller up	ision) and that each and all of the stand nderstood that failure to complete the sturned for completion and resubmitt	atements he e required it	rein are true and
Company Information:	correct. The driller us the report(s) being re	ision) and that each and all of the stand nderstood that failure to complete the sturned for completion and resubmitt	atements he e required it	rein are true and
Company Information:	correct. The driller us the report(s) being re	ision) and that each and all of the stand nderstood that failure to complete the eturned for completion and resubmitt	atements he e required it	rein are true and
Company Information: Driller Name:	correct. The driller up the report(s) being re Brien Water Wells 5214 S Hwy 6	ision) and that each and all of the stand nderstood that failure to complete the eturned for completion and resubmitt	atements he e required it	rein are true and

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Casing: BLANK PIPE & WELL SCREEN DATA

Top (ft.)	Bottom (ft.)	Description	Dia. (in.) New/Used Type Setting From/To (ft.)
0	72	clay and gravel and sand	30 N Steel +1-68
72	118	sand and sandy shale	16 N Steel +2-1011
118	171	shale	16 N Pipe Base SS Screen 1011-1111 .030
171	190	sand and sandy shale	16 N Steel 1111-1113
190	198	shale	_
198	212	s-shale	
212	213	rock	
213	241	shale	
241	243	rock	
243	285	s-shale and sand and rock	
285	315	sand(b)	
315	320	s-shale	
320	337	shale	
337	470	s-shale and rocks	
470	570	sandy shale and shale	
570	590	shale and soft rocks	
590	730	shale	

810	sand and rocks
880	shale
925	shale and sandy shale
926	rock
955	sand(b)
1004	sand (some streaks of shale)
1010	rock
1024	sand(b)
1042	sand and streak of coal
1049	rock
1118	sand
1120	shale and coal
1130	sand
1131	rock
	880 925 926 955 1004 1010 1024 1042 1049 1118 1120 1130

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 #443534					
Owner:	Zeig, Joey	Owner Well #:	No Data		
Address:	510 Calvert Street Hearne, TX 77859	Grid #:	59-11-3		
Well Location:		Latitude:	30° 52' 16.02" N		
	Hearne, TX 77859	Longitude:	096° 38' 03.6" W		
Well County:	Robertson	Elevation:	284 ft. above sea level		
	Nau Mall	Dran and Unar	Democific		
Type of Work:	New Well	Proposed Use:	Domestic		

Drilling Start Date: 2/6/2017

Drilling End Date: 2/14/2017

	Diameter (in.,) Top Depth	n (ft.)	Bottom Depth (ft.)		
Borehole:	9.875	0		35		
	6.75	35		860		
	3.875	860		1080		
Drilling Method:	Mud (Hydraulic)	Rotary				
Borehole Completion:	n: Screened					
	Top Depth (ft.)	Bottom Depth (ft.)	Description (number of sacks & materia			
Annular Seal Data:	0	10	Concrete 10 Bags/Sacks			
	650	850	C	Cement 23 Bags/Sacks		
Seal Method: Pr	essure	Dista	ince to Prop	erty Line (ft.): 100+		
Sealed By: Dr			Field or other mination (ft.): 100+			
		Dis	tance to Se	ptic Tank (ft.): 100+		
			Method of	of Verification: stepped		
Surface Completion:	Surface Sleeve Ir	nstalled	Surface Completion by Driller			
Water Level:	135 ft. below land	d surface on 2017-02-1 3	B Measur	ement Method: Electric Lin	e	
Packers:	K-Packer at 619 Burlap at 966 ft. Burlap at 987 ft.	ft.				
Type of Pump:	Submersible		Pump Depth (ft.): 260			
Well Tests:	Jetted	Yield: 50+ GPM w	l with 70 ft. drawdown after 12 hours			

Motor Ouglity	Strata Depth (ft.)	Water Type			
Water Quality:	996 - 1080 good				
		Chemical Analysis Made:	No		
	Did the driller	knowingly penetrate any strata which contained injurious constituents?:	No		
Certification Data:	driller's direct superv correct. The driller u	nat the driller drilled this well (or the we ision) and that each and all of the state nderstood that failure to complete the eturned for completion and resubmittal	ements he required it	rein are true and	
Certification Data: Company Information:	driller's direct superv correct. The driller u the report(s) being re	ision) and that each and all of the state nderstood that failure to complete the eturned for completion and resubmittal	ements he required it	rein are true and	
	driller's direct superv correct. The driller u the report(s) being re	ision) and that each and all of the state nderstood that failure to complete the eturned for completion and resubmittal yay 6	ements he required it	rein are true and	
	driller's direct superv correct. The driller u the report(s) being re Brien Water Wells 5214 South Highw	ision) and that each and all of the state nderstood that failure to complete the eturned for completion and resubmittal yay 6	ements he required it	rein are true and	

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description	
0	27	gravel and sand	
27	55	sandy shale and sand	
55	90	shale	
90	326	sandy shale	
326	440	rocks and shale	
440	625	sandy shale and sand (B)	
625	726	tight shale	
726	893	sandy shale and Rocks	
893	946	sand	
946	986	sandy shale and coal	
986	996	sandy shale and sand	
996	1080	sand	

Casing: BLANK PIPE & WELL SCREEN DATA

Dla (in.)	Туре	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
8	Blank	New Plastic (PVC)		0	35
4	Blank	New Plastic (PVC)	40	1.5	850
2	Blank	New Galvanized Steel	40	819	1050
2.5	Screen	New Rod Base Stainless Steel	0.014	1050	1070
2	Blank	New Galvanized Steel	40	1070	1080

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