

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

OWNER BEXAR METRO WATER DISTRICT ADDRESS P.O. Box 3577 San Antonio, TX. 78211
(Name) (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL:
County Medina CR 381 RIO MEDINA TX. GRID # 68 34 2
(Street, RFD or other) (City) (State) (Zip)

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

4) PROPOSED USE (Check): Monitor Environmental Soil Boring Domestic
 Industrial Irrigation Injection Public Supply De-watering Testwell
If Public Supply well, were plans submitted to the TNRCC? Yes No

6) WELL LOG:
Date Drilling:
Started 6-29 1999
Completed 8-18 1999

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
19	Surface	440
12	440	912

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

8) Borehole Completion (Check): 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
0	6	soil
6	45	clay
45	75	taylor
75	320	austin chalk
320	375	buda limestone
375	427	del rio shale
427	912	edwards limestone

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 Casting Screen
			From	To	
12 3/4	new	steel	0	440	.375

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 0 ft. to 440 ft. No. of sacks used 285
_____ ft. to _____ ft. No. of sacks used _____
Method used oil well process
Cemented by Dowell
Distance to septic system field lines or other concentrated contamination none ft.
Method of verification of above distance _____

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

14) WELL TESTS:
Type test: Pump Bailer Jetted Estimated
Yield: 1465 gpm with 76 ft. drawdown after 36 hrs.

10) SURFACE COMPLETION by owner
 Specified Surface Slab Installed [Rule 338.44(2)(A)]
 Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
 Pitless Adapter Used [Rule 338.44(3)(b)]
 Approved Alternative Procedure Used [Rule 338.71]

11) WATER LEVEL:
Static level 272 ft. below land surface Date 9-11-99
Artesian flow _____ gpm. Date _____

15) WATER QUALITY:
Did you knowingly penetrate 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

12) PACKERS: Type Depth
none

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 T. M. Johnson WELL DRILLER'S LICENSE NO. 0857WI
(Type or print)

ADDRESS 1501 29th Street Hondo, Texas 78861
(Street or RFD) (City) (State) (Zip)

(Signed) [Signature] (Signed) Robert Essary
(Licensed Well Driller) (Registered Driller Trainee)

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



5400 New Highway 90 West
 P.O. Box 27337
 San Antonio, TX 78227-0337
 PH: (210) 434-7867

*initial
 Incomplete*

RECORD OF WELL TEST

Date: August 27, 1999 Facility 125 Job #V-8124C Well #1
 Owner: Bexar Metro BMWD – West View
 Well I.D.:
 Well Driller:
 Well Casing: 12”
 Water Source:
 Well Depth:
 Static Water Level Before Test: 275’
 Static Water Level After Test:

DATE	TIME	PUMPING LEVEL	PUMPING GPM	ENGINE RPM	PUMP RPM	REMARKS	PUMP SETTING
8-27-99	8:15					Start up	360’
	8:30	276	483	1500	1364	Muddy	Plus
	9:30	276	482	1500	1364	Muddy	Bowl Assy.
	10:30	276	567	1500	1364	Muddy	
	11:15	Shut Down	To Work	On Water	Way To	Keep Water Off County	Road
	2:15					Start Up Again	
	2:30	276	613	1500	1364	Muddy	
	3:30	284	692	1800	1636	Muddy	
	4:30	284	692	1800	1636	Muddy	
	5:00	283	692	1700	1545	Muddy	
	5:30	283	692			Backwash	
	6:00	283	692	1700	1545	Dirty – Muddy	
	7:00	283	692	1700	1545	Dirty – Muddy	
	8:00	286	713	1700	1545	Dirty – Muddy Backwash	
	9:00	289	741	1750	1591	Dirty – Muddy	
	10:00	297	741	1750	1591	Dirty – Muddy	
	11:00	297	741	1750	1591	Dirty – Muddy	
8-28-99	12:00	297	743	1750	1591	Dirty – Muddy Backwash	

	1:00	297	772	1750	1591	Dirty – Muddy	
	2:00	297	772	1750	1591	Dirty – Muddy	
	3:00	297	802	1800	1636	Dirty – Muddy Backwash	
	4:00	297	802	1800	1636	Dirty – Muddy	
	5:00	297	802	1800	1636	Dirty – Muddy	
	6:00	297	802	1800	1636	Dirty – Muddy	
	7:00	297	802	1800	1636	Dirty – Muddy Backwash	
	8:00	297	846	1850	1682	Dirty – Muddy	
	9:00	301	846	1850	1682	Dirty Water	
	10:00	301	846	1850	1682	Dirty Water Backwash	
	11:00	301	846	1850	1682	Dirty Water	
	12:00	301	846	1850	1682	Dirty Water	
	1:00	301	846	1850	1682	Dirty Water	
	2:00	301	846	1850	1682	Dirty Water Backwash	
	3:00	301	846	1850	1682	Dirty Water	
	4:00	301	846	1850	1682	Dirty Water	
	5:00	301	846	1850	1682	Dirty Water	
		Shut	Down To	Pull Pump	&	Have Well Acidzed	

Cementing Service Report

Schlumberger
Dowell

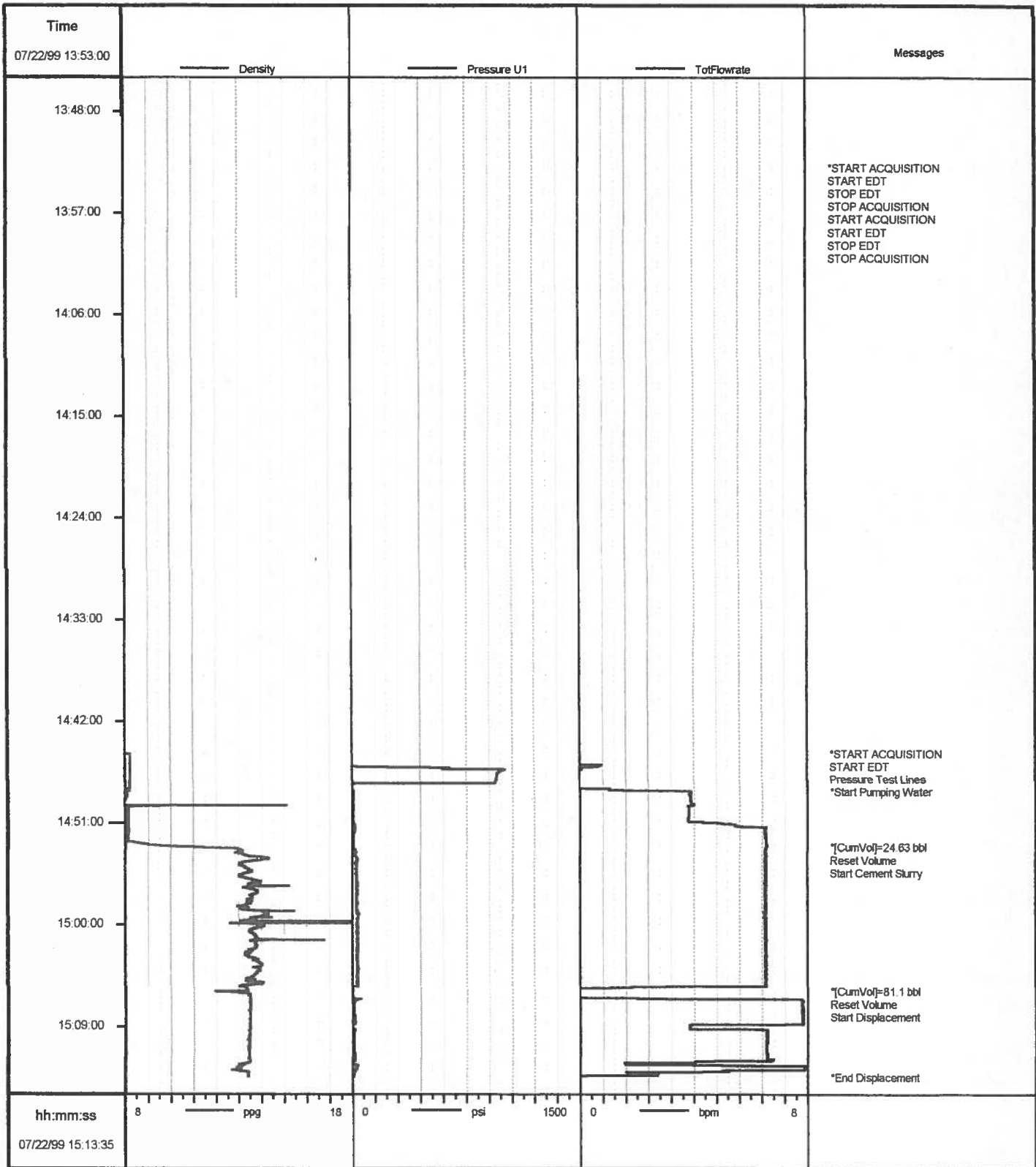
Customer: BEXAR METROPOLITAN WATER DISTR
Job Number: 20115986

Well: BEXAR 1		Location (legal): RIO MEDINA		Dowell Location: Leming, TX		Job Start: 7/22/99					
Field: WILDCAT		Formation Name/Type:		Deviation: 0 °	Bit Size: 0 in	Well MD: 314 ft	Well TVD: 314 ft				
County: BEXAR		State/Province: TEXAS		BHP: 0 psi	BHST: 100 °F	BHCT: 80 °F	Pore Press. Gradient: 0 psi/ft				
Rig Name:	Drilled For: Other	Service Via: Land		Casing/Liner							
Offshore Zone:	Well Class: New	Well Type: Development		Depth, ft: 314	Size, in: 12.75	Weight, lb/ft: 43	Grade: N/A				
Drilling Fluid Type: Bentonite		Max. Density: 9.6 lb/gal	Plastic Viscosity: 42 cp	Depth:	Size, in:	Weight, lb/ft:	Grade:				
Service Line: Cementing	Job Type: Cem Surface Casing			0	0	0					
Max. Allowed Tubing Pressure: 0 psi	Max. Allowed Ann. Pressure: 0 psi	WellHead Connection:		Perforations/Open Hole							
Service Instructions CEMENT WATER WELL WITH 285 H+ 6%D20 +2%S1 86 BBLS				Top, ft: 0	Bottom, ft: 0	spf: 0	No. of Shots: 0	Total Interval: 0 ft			
							Diameter: 0 in				
				Treat Down Casing		Displacement: 44 bbl	Packer Type:	Packer Depth: 0 ft			
				Tubing Vol.: 0 bbl		Casing Vol.: 44 bbl	Annular Vol.: 0 bbl	OpenHole Vol: 0 bbl			
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job					
Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide					
No. Centralizers: 0		Top Plugs: 0	Bottom Plugs: 0	Shoe Depth: 314 ft		Squeeze Type:					
Cement Head Type:		Job Scheduled For: 7/22/99 13:00		Arrived on Location: 7/22/99 13:00		Leave Location: 7/22/99 16:30					
				Stage Tool Type:		Tool Depth: 0 ft					
				Stage Tool Depth: 0 ft		Tail Pipe Size: 0 in					
				Collar Type:		Tail Pipe Depth: 0 ft					
				Collar Depth: ft		Sqz Total Vol: 0 bbl					
Time	CumVol	Density	Pressure U1	TotFlowrate				Message			
24 hr clock	bbl	ppg	psi	bpm							
13:53	0	0	0	0	0	0	0	START EDT			
13:53	0	0	0	0	0	0	0	START ACQUISITION			
13:53	0.	0.	-3750	0.	0	0	0				
13:53	0.	0.	-3750	0.	0	0	0	STOP EDT			
13:53	0.	0.	-3750	0.	0	0	0	STOP ACQUISITION			
13:55	0.	0.	-3164	0.	0	0	0				
13:55	0.	0.	-3164	0.	0	0	0	START ACQUISITION			
13:55	0.	0.	-3164	0.	0	0	0	START EDT			
13:55	0.	0.	-3164	0.	0	0	0	STOP EDT			
13:55	0.	0.	-3164	0.	0	0	0	STOP ACQUISITION			
14:44	0.	0.	-3164	0.	0	0	0				
14:44	0.	0.	-3164	0.	0	0	0	START ACQUISITION			
14:44	0.	0.	-3164	0.	0	0	0	START EDT			
14:45	0.	0.	-3164	0.	0	0	0	Pressure Test Lines to 3000 psi			
14:46	0.159	8.24	961.5	0.	0	0	0				
14:48	0.715	8.13	9.16	3.89	0	0	0				
14:48	0.715	8.13	9.16	3.89	0	0	20 bbls	Start Pumping Water			
14:49	7.24	8.18	9.16	3.83	0	0	0				
14:51	14.95	8.2	22.89	6.52	0	0	0				
14:53	14.95	8.2	22.89	6.52	0	0	0	Reset Volume			
14:53	14.95	8.2	22.89	6.52	0	0	0	[CumVol]=24.63 bbl			
14:53	14.95	8.2	22.89	6.52	0	0	86 bbls	Start Cement Slurry			

Well		Field				Service Date		Customer		Job Number	
BEXAR #1		WILDCAT						R METROPOLITAN WATER		20115986	
Time	CumVol	Density	Pressure U1	TotFlowrate				Message			
24 hr clock	bbbl	ppg	psi	bpm							
14:53	1.21	12.92	9.16	6.53	0	0	0				
14:54	12.17	13.3	27.47	6.55	0	0	0				
14:56	23.12	13.41	32.05	6.5	0	0	0				
14:58	34.08	13.31	32.05	6.52	0	0	0				
14:59	45.03	13.86	32.05	6.52	0	0	0				
15:01	56.	13.76	32.05	6.55	0	0	0				
15:03	66.96	13.94	36.63	6.52	0	0	0				
15:05	77.92	13.34	36.63	6.55	0	0	0				
15:05	77.92	13.34	36.63	6.55	0	0	0	[CumVol]=81.1 bbl			
15:05	77.92	13.34	36.63	6.55	0	0	0	Reset Volume			
15:05	77.92	13.34	36.63	6.55	0	0	44bbbls	Start Displacement			
15:06	1.14	13.54	27.47	7.82	0	0	0				
15:08	14.28	13.53	18.32	7.87	0	0	0				
15:10	24.69	13.5	9.16	6.58	0	0	0				
15:11	35.72	13.47	13.74	6.58	0	0	0				
15:13	43.97	13.41	9.16	0.	0	0	0				
15:13	43.97	13.41	9.16	0.	0	0	44bbbls	End Displacement			
15:13	43.97	13.41	9.16	0.	0	0	0	STOP EDT			
Post Job Summary											
Average Pump Rates, bpm				Volume of Fluid Injected, bbl							
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2				
0	0	0	5	86	0	0	0				
Treating Pressure Summary, psi				Breakdown Fluid							
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density				
500	0	0	0	0		0 bbl	0 lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp								
0 %	86 bbl	0 bbl	85. °F								
Customer or Authorized Representative				Dowell Supervisor							
TOMMY JOHNSON				Vidal Garcia Jr							
								<input type="checkbox"/> Circulation Lost		<input type="checkbox"/> Job Completed	

Dowell

Well	BEXAR 1	Client	BEXAR METRO
Field		SIR No.	20115986
Country	USA	Job Date	7/22/99 1:53:00 PM



Job: img5986

07/22/1999 15:26:04