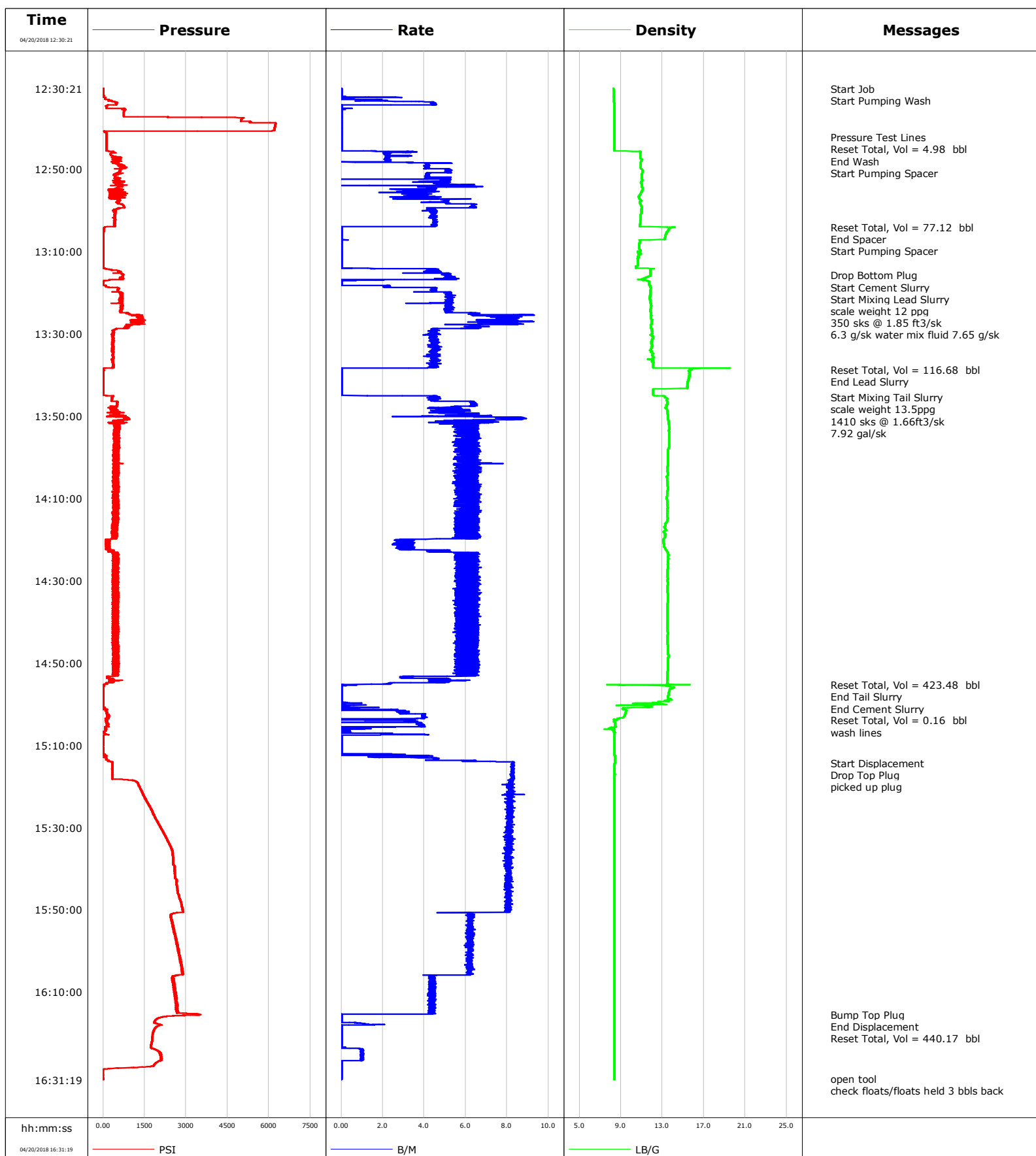


Well VERDE 13-14HZ
Field WATENBERG
Engineer NORM HASLAUER
Country United States

Client ANADARKO
SIR No. 2683044
Job Type PRODUCTION
Job Date 04-20-2018



				Customer ANADARKO				Job Number 2683044			
Well VERDE 13-14HZ EOPW-00153			Location (legal)			Schlumberger Location			Job Start Apr/20/2018		
Field WATENBERG		Formation Name/Type Dirty-Sandstone		Deviation deg		Bit Size in		Well MD 18954.0 ft		Well TVD 7513.0 ft	
County WELD		State/Province Colorado		BHP psi		BHST 233 degF		BHCT 230 degF		Pore Press. Gradient lb/gal	
Well Master 0631754090		API/UWI									
Rig Name P564		Drilled For Oil & Gas		Service Via Land		Casing/ Liner					
						Depth, ft		Size, in		Weight, lb/ft	
										Grade	
										Thread	
Offshore Zone		Well Class New		Well Type Development		1881.0		9.6		36.0	
						18954.0		5.5		17.0	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
										Weight, lb/ft	
										Grade	
										Thread	
Service Line Cementing		Job Type PRODUCTION									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Double Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
						ft		ft		No. of Shots	
						ft		ft		Total Interval ft	
						ft		ft		Diameter in	
						Treat Down Casing		Displacement 441.0 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 441.0 bbl		Annular Vol. bbl	
										Openhole Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools		Squeeze Job			
Lift Pressure 1800 psi						Shoe Type Float		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 18954.0 ft		Tool Type			
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Stage Tool Type		Tool Depth ft			
Cement Head Type						Stage Tool Depth ft		Tail Pipe Size in			
Job Scheduled For Apr/20/2018		Arrived on Location Apr/20/2018		Leave Location Apr/20/2018		Collar Type Float		Tail Pipe Depth ft			
						Collar Depth 18951.0 ft		Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
04/20/2018	12:30:21	14	0.0	8.30	0.2	Started Acquisition					
04/20/2018	12:30:22	14	0.0	8.30	0.2	Start Job					
04/20/2018	12:30:24	14	0.0	8.30	0.2	Start Pumping Wash					
04/20/2018	12:30:51	13	0.0	8.30	0.2						
04/20/2018	12:31:21	13	0.0	8.30	0.2						
04/20/2018	12:31:51	13	0.0	8.30	0.2						
04/20/2018	12:32:21	13	0.0	8.31	0.2						
04/20/2018	12:32:51	71	0.0	8.31	0.5						
04/20/2018	12:33:21	215	0.9	8.31	1.1						
04/20/2018	12:33:51	487	4.3	8.35	2.7						
04/20/2018	12:34:21	476	4.4	8.36	5.0						
04/20/2018	12:34:51	109	0.0	8.36	5.2						
04/20/2018	12:35:21	709	0.0	8.36	5.2						
04/20/2018	12:35:51	756	0.0	8.36	5.2						
04/20/2018	12:36:21	748	0.0	8.36	5.2						
04/20/2018	12:36:51	745	0.0	8.36	5.2						
04/20/2018	12:37:21	2340	0.0	8.36	5.2						
04/20/2018	12:37:51	5004	0.0	8.36	5.2						
04/20/2018	12:38:21	4977	0.0	8.36	5.2						
04/20/2018	12:38:51	6242	0.0	8.36	5.2						
04/20/2018	12:39:21	6218	0.0	8.36	5.2						

Well			Field	Job Start		Customer	Job Number
VERDE 13-14HZ EOPW-00153			WATENBERG	Apr/20/2018		ANADARKO	2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/20/2018	12:40:21	6197	0.0	8.36	5.2		
04/20/2018	12:40:51	53	0.0	8.36	5.2		
04/20/2018	12:41:21	112	0.0	8.36	0.0		
04/20/2018	12:41:51	111	0.0	8.36	0.0		
04/20/2018	12:42:14	111	0.0	8.36	0.0	Pressure Test Lines	
04/20/2018	12:42:17	111	0.0	8.36	0.0	Reset Total, Vol = 4.98 bbl	
04/20/2018	12:42:21	111	0.0	8.36	0.0		
04/20/2018	12:42:38	112	0.0	8.36	0.0	End Wash	
04/20/2018	12:42:40	113	0.0	8.36	0.0	Start Pumping Spacer	
04/20/2018	12:42:51	110	0.0	8.36	0.0		
04/20/2018	12:43:21	109	0.0	8.36	0.0		
04/20/2018	12:43:51	111	0.0	8.36	0.0		
04/20/2018	12:44:21	112	0.0	8.36	0.0		
04/20/2018	12:44:51	115	0.0	8.36	0.0		
04/20/2018	12:45:21	116	0.0	8.36	0.0		
04/20/2018	12:45:51	383	3.5	10.92	0.7		
04/20/2018	12:46:21	259	2.3	10.86	2.0		
04/20/2018	12:46:51	418	3.2	10.87	3.2		
04/20/2018	12:47:21	535	2.2	10.87	4.3		
04/20/2018	12:47:51	512	2.2	10.99	5.5		
04/20/2018	12:48:21	379	3.5	10.90	6.6		
04/20/2018	12:48:51	550	4.1	10.92	8.5		
04/20/2018	12:49:21	795	4.2	10.92	10.7		
04/20/2018	12:49:51	669	4.0	10.94	12.8		
04/20/2018	12:50:21	635	5.2	11.10	14.9		
04/20/2018	12:50:51	585	5.3	11.03	17.1		
04/20/2018	12:51:21	467	4.1	11.01	19.2		
04/20/2018	12:51:51	439	4.2	11.01	21.3		
04/20/2018	12:52:21	552	4.2	11.02	23.5		
04/20/2018	12:52:51	660	5.2	11.04	25.9		
04/20/2018	12:53:21	481	5.2	10.94	28.3		
04/20/2018	12:53:51	777	6.2	11.02	30.9		
04/20/2018	12:54:21	523	3.7	11.04	33.5		
04/20/2018	12:54:51	322	4.5	11.09	35.6		
04/20/2018	12:55:21	291	4.6	11.02	37.4		
04/20/2018	12:55:51	525	3.3	10.92	39.2		
04/20/2018	12:56:21	254	3.5	10.79	41.1		
04/20/2018	12:56:51	220	4.4	10.75	42.9		
04/20/2018	12:57:21	587	4.8	10.84	44.8		
04/20/2018	12:57:51	530	5.0	10.84	47.4		
04/20/2018	12:58:21	557	5.1	10.86	49.8		
04/20/2018	12:58:51	762	6.4	10.96	52.9		
04/20/2018	12:59:21	763	6.4	11.00	56.1		
04/20/2018	12:59:51	449	4.6	11.00	58.4		
04/20/2018	13:00:21	427	4.3	10.99	60.7		
04/20/2018	13:00:51	450	4.5	10.94	62.9		
04/20/2018	13:01:21	424	4.4	10.90	65.1		
04/20/2018	13:01:51	354	4.3	10.89	67.3		
04/20/2018	13:02:21	413	4.5	10.84	69.6		
04/20/2018	13:02:51	425	4.6	10.88	71.8		
04/20/2018	13:03:21	418	4.5	10.84	74.1		
04/20/2018	13:03:51	393	4.5	10.84	76.3		
04/20/2018	13:04:05	69	0.0	14.20	77.1	Reset Total, Vol = 77.12 bbl	
04/20/2018	13:04:10	52	0.0	13.90	77.1	End Spacer	

Well VERDE 13-14HZ EOPW-00153			Field WATENBERG		Job Start Apr/20/2018	Customer ANADARKO		Job Number 2683044
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/20/2018	13:04:21	33		0.0	13.71	77.1		
04/20/2018	13:04:51	17		0.0	13.55	77.1		
04/20/2018	13:05:21	14		0.0	13.43	77.1		
04/20/2018	13:05:51	13		0.0	13.36	77.1		
04/20/2018	13:06:21	15		0.0	13.25	77.1		
04/20/2018	13:06:51	14		0.0	13.21	77.1		
04/20/2018	13:07:21	11		0.0	10.84	77.1		
04/20/2018	13:07:51	11		0.0	10.80	77.1		
04/20/2018	13:08:21	10		0.0	10.78	77.1		
04/20/2018	13:08:51	9		0.0	10.77	77.1		
04/20/2018	13:09:21	8		0.0	10.78	77.1		
04/20/2018	13:09:51	11		0.0	10.90	77.1		
04/20/2018	13:10:21	12		0.0	10.84	77.1		
04/20/2018	13:10:51	11		0.0	10.69	77.1		
04/20/2018	13:11:21	9		0.0	10.74	77.1		
04/20/2018	13:11:51	6		0.0	10.60	77.1		
04/20/2018	13:12:21	6		0.0	10.61	77.1		
04/20/2018	13:12:51	7		0.0	10.62	77.1		
04/20/2018	13:13:21	9		0.0	10.63	77.1		
04/20/2018	13:13:51	12		0.0	10.44	77.1		
04/20/2018	13:14:21	246		4.7	11.80	77.9		
04/20/2018	13:14:51	567		4.5	11.82	80.1		
04/20/2018	13:15:21	672		4.9	11.84	82.3		
04/20/2018	13:15:47	708		5.0	11.83	84.5	Drop Bottom Plug	
04/20/2018	13:15:48	745		5.1	11.83	84.6	Start Cement Slurry	
04/20/2018	13:15:49	726		5.0	11.83	84.6	Start Mixing Lead Slurry	
04/20/2018	13:15:51	740		5.0	11.83	84.8		
04/20/2018	13:15:52	714		5.1	11.83	84.9	scale weight 12 ppg	
04/20/2018	13:16:21	657		5.5	11.50	87.4		
04/20/2018	13:16:51	446		3.0	10.61	90.1		
04/20/2018	13:17:21	10		0.0	11.75	90.3		
04/20/2018	13:17:51	4		0.0	11.72	90.3		
04/20/2018	13:18:21	106		2.2	11.86	90.5		
04/20/2018	13:18:51	521		4.5	11.86	91.8		
04/20/2018	13:19:21	546		4.3	11.84	94.1		
04/20/2018	13:19:51	326		3.5	11.83	96.3		
04/20/2018	13:20:21	685		5.2	11.84	98.9		
04/20/2018	13:20:51	663		5.2	11.82	101.5		
04/20/2018	13:21:21	601		5.2	11.77	104.1		
04/20/2018	13:21:51	680		5.2	11.78	106.7		
04/20/2018	13:22:21	623		5.2	11.85	109.3		
04/20/2018	13:22:51	649		5.2	11.91	111.8		
04/20/2018	13:23:21	702		5.3	11.94	114.4		
04/20/2018	13:23:51	664		5.1	11.89	117.0		
04/20/2018	13:24:21	630		5.2	11.84	119.6		
04/20/2018	13:24:51	669		5.1	11.91	122.2		
04/20/2018	13:25:21	1306		9.3	11.90	125.3		
04/20/2018	13:25:51	1344		8.7	11.92	129.3		
04/20/2018	13:26:21	1264		7.8	11.93	133.3		
04/20/2018	13:26:51	1223		8.0	11.96	137.2		
04/20/2018	13:27:21	1332		8.1	11.98	141.2		
04/20/2018	13:27:51	1005		6.4	11.88	145.1		
04/20/2018	13:28:21	912		6.3	11.89	148.3		
04/20/2018	13:28:51	479		4.5	12.00	151.4		

Well VERDE 13-14HZ EOPW-00153			Field WATENBERG		Job Start Apr/20/2018	Customer ANADARKO	Job Number 2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/20/2018	13:29:51	377	4.6	12.01	155.8		
04/20/2018	13:30:21	399	4.5	11.85	158.0		
04/20/2018	13:30:51	389	4.2	12.08	160.3		
04/20/2018	13:31:21	357	4.4	12.05	162.5		
04/20/2018	13:31:51	336	4.4	11.91	164.7		
04/20/2018	13:32:21	333	4.6	11.95	167.0		
04/20/2018	13:32:51	371	4.5	12.00	169.2		
04/20/2018	13:33:21	389	4.6	11.95	171.4		
04/20/2018	13:33:51	358	4.7	11.89	173.7		
04/20/2018	13:34:21	375	4.6	11.90	176.0		
04/20/2018	13:34:51	348	4.6	12.07	178.2		
04/20/2018	13:35:21	351	4.5	12.04	180.4		
04/20/2018	13:35:51	365	4.4	12.07	182.7		
04/20/2018	13:36:21	330	4.6	12.00	184.9		
04/20/2018	13:36:51	330	4.4	12.07	187.2		
04/20/2018	13:37:21	361	4.3	12.10	189.4		
04/20/2018	13:37:51	364	4.6	12.09	191.6		
04/20/2018	13:38:21	120	0.0	19.27	193.8		
04/20/2018	13:38:44	15	0.0	15.81	193.8	Reset Total, Vol = 116.68 bbl	
04/20/2018	13:38:47	15	0.0	15.81	193.8	End Lead Slurry	
04/20/2018	13:38:51	20	0.0	15.72	193.8		
04/20/2018	13:39:21	13	0.0	15.59	193.8		
04/20/2018	13:39:51	11	0.0	15.62	193.8		
04/20/2018	13:40:21	9	0.0	15.61	193.8		
04/20/2018	13:40:51	9	0.0	15.57	193.8		
04/20/2018	13:41:21	9	0.0	15.50	193.8		
04/20/2018	13:41:51	9	0.0	15.46	193.8		
04/20/2018	13:42:21	9	0.0	15.40	193.8		
04/20/2018	13:42:51	9	0.0	15.43	193.8		
04/20/2018	13:43:21	6	0.0	13.32	193.8		
04/20/2018	13:43:51	7	0.0	12.09	193.8		
04/20/2018	13:44:21	8	0.0	12.10	193.8		
04/20/2018	13:44:51	9	0.0	12.10	193.8		
04/20/2018	13:45:21	326	4.7	13.20	195.0		
04/20/2018	13:45:25	313	4.4	13.27	195.4	Start Mixing Tail Slurry	
04/20/2018	13:45:29	323	4.3	13.26	195.7	scale weight 13.5ppg	
04/20/2018	13:45:30	327	4.4	13.27	195.7	7.92 gal/sk	
04/20/2018	13:45:51	324	4.3	13.48	197.3		
04/20/2018	13:46:21	301	4.5	13.45	199.5		
04/20/2018	13:46:51	499	6.3	13.46	202.6		
04/20/2018	13:47:21	500	6.3	13.37	205.8		
04/20/2018	13:47:51	329	5.6	13.33	208.8		
04/20/2018	13:48:21	310	5.5	13.41	211.2		
04/20/2018	13:48:51	309	4.7	13.48	213.9		
04/20/2018	13:49:21	520	6.1	13.50	216.5		
04/20/2018	13:49:51	453	7.2	13.53	219.6		
04/20/2018	13:50:21	913	8.3	13.55	222.7		
04/20/2018	13:50:51	930	8.7	13.56	226.8		
04/20/2018	13:51:21	686	7.2	13.60	230.0		
04/20/2018	13:51:51	337	5.1	13.61	233.3		
04/20/2018	13:52:21	566	6.6	13.62	236.3		
04/20/2018	13:52:51	605	6.6	13.67	239.4		
04/20/2018	13:53:21	517	6.3	13.63	242.5		
04/20/2018	13:53:51	379	6.6	13.63	245.7		

Well			Field	Job Start		Customer		Job Number
VERDE 13-14HZ EOPW-00153			WATENBERG	Apr/20/2018		ANADARKO		2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/20/2018	13:54:51	500	5.4	13.62	251.8			
04/20/2018	13:55:21	595	5.8	13.62	254.9			
04/20/2018	13:55:51	558	6.4	13.62	257.9			
04/20/2018	13:56:21	532	5.8	13.62	261.1			
04/20/2018	13:56:51	561	5.5	13.62	264.3			
04/20/2018	13:57:21	551	6.5	13.63	267.7			
04/20/2018	13:57:51	542	6.5	13.60	271.1			
04/20/2018	13:58:21	548	6.7	13.54	274.5			
04/20/2018	13:58:51	552	6.6	13.53	277.8			
04/20/2018	13:59:21	407	6.2	13.53	281.2			
04/20/2018	13:59:51	479	6.4	13.53	284.6			
04/20/2018	14:00:21	366	5.5	13.53	288.0			
04/20/2018	14:00:51	538	6.5	13.53	291.3			
04/20/2018	14:01:21	567	6.5	13.54	294.7			
04/20/2018	14:01:51	533	5.9	13.56	298.2			
04/20/2018	14:02:21	509	6.5	13.47	301.6			
04/20/2018	14:02:51	525	6.4	13.49	305.0			
04/20/2018	14:03:21	529	6.6	13.51	308.4			
04/20/2018	14:03:51	584	6.6	13.52	311.7			
04/20/2018	14:04:21	481	6.5	13.53	315.1			
04/20/2018	14:04:51	345	6.1	13.42	318.5			
04/20/2018	14:05:21	529	5.6	13.44	321.9			
04/20/2018	14:05:51	512	5.6	13.46	325.3			
04/20/2018	14:06:21	534	5.9	13.49	328.6			
04/20/2018	14:06:51	529	6.4	13.50	332.0			
04/20/2018	14:07:21	547	6.6	13.52	335.4			
04/20/2018	14:07:51	490	6.6	13.54	338.8			
04/20/2018	14:08:21	505	6.1	13.43	342.1			
04/20/2018	14:08:51	369	5.7	13.43	345.5			
04/20/2018	14:09:21	459	5.9	13.45	348.9			
04/20/2018	14:09:51	511	6.4	13.41	352.3			
04/20/2018	14:10:21	542	6.5	13.43	355.7			
04/20/2018	14:10:51	428	6.5	13.45	359.1			
04/20/2018	14:11:21	396	6.1	13.46	362.4			
04/20/2018	14:11:51	550	5.8	13.49	365.8			
04/20/2018	14:12:21	539	6.5	13.51	369.2			
04/20/2018	14:12:51	469	6.4	13.44	372.6			
04/20/2018	14:13:21	341	5.7	13.49	375.9			
04/20/2018	14:13:51	548	6.2	13.46	379.3			
04/20/2018	14:14:21	506	6.5	13.44	382.7			
04/20/2018	14:14:51	485	6.6	13.52	386.1			
04/20/2018	14:15:21	342	6.0	13.49	389.5			
04/20/2018	14:15:51	514	6.2	13.38	392.8			
04/20/2018	14:16:21	515	6.5	13.27	396.2			
04/20/2018	14:16:51	494	6.6	13.24	399.6			
04/20/2018	14:17:21	309	5.5	13.27	403.0			
04/20/2018	14:17:51	492	6.1	13.32	406.4			
04/20/2018	14:18:21	475	6.6	13.16	409.8			
04/20/2018	14:18:51	507	6.7	13.23	413.1			
04/20/2018	14:19:21	457	6.4	13.23	416.5			
04/20/2018	14:19:51	480	5.8	13.13	419.9			
04/20/2018	14:20:21	104	3.5	13.09	421.7			
04/20/2018	14:20:51	129	2.7	13.12	423.4			
04/20/2018	14:21:21	95	3.4	13.14	425.1			

Well			Field	Job Start		Customer		Job Number	
VERDE 13-14HZ EOPW-00153			WATENBERG		Apr/20/2018		ANADARKO		2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
04/20/2018	14:22:21	155	3.4	13.32	428.5				
04/20/2018	14:22:51	348	4.9	13.42	430.8				
04/20/2018	14:23:21	460	5.7	13.53	433.7				
04/20/2018	14:23:51	537	6.5	13.57	437.1				
04/20/2018	14:24:21	518	5.6	13.56	440.5				
04/20/2018	14:24:51	554	6.6	13.55	443.9				
04/20/2018	14:25:21	352	6.3	13.54	447.2				
04/20/2018	14:25:51	523	6.3	13.57	450.6				
04/20/2018	14:26:21	437	5.7	13.53	454.0				
04/20/2018	14:26:51	536	6.4	13.55	457.4				
04/20/2018	14:27:21	545	5.9	13.48	460.8				
04/20/2018	14:27:51	564	6.6	13.49	464.1				
04/20/2018	14:28:21	423	5.9	13.50	467.5				
04/20/2018	14:28:51	501	6.5	13.48	470.9				
04/20/2018	14:29:21	544	5.8	13.51	474.3				
04/20/2018	14:29:51	562	6.5	13.50	477.6				
04/20/2018	14:30:21	382	5.8	13.51	481.0				
04/20/2018	14:30:51	530	6.4	13.54	484.4				
04/20/2018	14:31:21	518	6.5	13.49	487.8				
04/20/2018	14:31:51	459	6.6	13.49	491.2				
04/20/2018	14:32:21	531	6.5	13.50	494.5				
04/20/2018	14:32:51	538	6.5	13.51	497.9				
04/20/2018	14:33:21	506	6.5	13.52	501.3				
04/20/2018	14:33:51	476	6.5	13.53	504.7				
04/20/2018	14:34:21	528	6.4	13.54	508.1				
04/20/2018	14:34:51	493	5.4	13.54	511.4				
04/20/2018	14:35:21	468	6.6	13.52	514.8				
04/20/2018	14:35:51	552	6.2	13.50	518.2				
04/20/2018	14:36:21	556	6.6	13.50	521.6				
04/20/2018	14:36:51	498	6.0	13.50	525.0				
04/20/2018	14:37:21	485	6.6	13.50	528.3				
04/20/2018	14:37:51	515	6.6	13.50	531.7				
04/20/2018	14:38:21	427	5.5	13.51	535.1				
04/20/2018	14:38:51	530	6.5	13.51	538.5				
04/20/2018	14:39:21	345	5.6	13.51	541.9				
04/20/2018	14:39:51	512	6.6	13.51	545.2				
04/20/2018	14:40:21	417	5.7	13.51	548.6				
04/20/2018	14:40:51	512	6.5	13.50	552.0				
04/20/2018	14:41:21	538	5.6	13.49	555.4				
04/20/2018	14:41:51	568	6.4	13.50	558.8				
04/20/2018	14:42:21	498	6.0	13.51	562.1				
04/20/2018	14:42:51	339	6.3	13.53	565.5				
04/20/2018	14:43:21	529	6.1	13.51	568.9				
04/20/2018	14:43:51	454	6.4	13.49	572.3				
04/20/2018	14:44:21	512	6.1	13.47	575.6				
04/20/2018	14:44:51	359	5.6	13.47	579.0				
04/20/2018	14:45:21	522	6.5	13.50	582.4				
04/20/2018	14:45:51	387	5.6	13.54	585.8				
04/20/2018	14:46:21	526	6.5	13.55	589.2				
04/20/2018	14:47:21	462	6.5	13.56	595.9				
04/20/2018	14:47:51	551	5.6	13.56	599.3				
04/20/2018	14:48:21	401	5.9	13.57	602.7				
04/20/2018	14:48:51	510	6.5	13.56	606.1				
04/20/2018	14:49:21	350	5.9	13.53	609.4				

Well			Field	Job Start		Customer		Job Number	
VERDE 13-14HZ EOPW-00153			WATENBERG		Apr/20/2018		ANADARKO		2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
04/20/2018	14:50:21	490	5.9	13.54	616.2				
04/20/2018	14:50:51	541	6.5	13.55	619.6				
04/20/2018	14:51:21	342	5.7	13.54	622.9				
04/20/2018	14:51:51	564	6.5	13.53	626.3				
04/20/2018	14:52:21	458	6.4	13.50	629.7				
04/20/2018	14:52:51	465	6.5	13.50	633.1				
04/20/2018	14:53:21	189	3.2	13.49	636.1				
04/20/2018	14:53:51	383	5.2	13.43	638.0				
04/20/2018	14:54:21	259	5.1	13.42	640.7				
04/20/2018	14:54:51	124	2.6	13.47	643.3				
04/20/2018	14:55:15	34	0.0	14.40	644.3	Reset Total, Vol = 423.48 bbl			
04/20/2018	14:55:21	21	0.0	8.86	644.5				
04/20/2018	14:55:22	21	0.8	9.49	644.5	End Tail Slurry			
04/20/2018	14:55:23	19	0.0	9.26	644.5	End Cement Slurry			
04/20/2018	14:55:26	26	0.0	8.94	644.5	Reset Total, Vol = 0.16 bbl			
04/20/2018	14:55:29	23	0.2	13.02	644.5	wash lines			
04/20/2018	14:55:51	16	0.0	13.84	644.5				
04/20/2018	14:56:21	13	0.0	13.70	644.5				
04/20/2018	14:56:51	12	0.0	13.69	644.5				
04/20/2018	14:57:21	12	0.0	13.59	644.5				
04/20/2018	14:57:51	12	0.0	13.57	644.5				
04/20/2018	14:58:21	12	0.0	13.55	644.5				
04/20/2018	14:58:51	12	0.0	13.75	644.5				
04/20/2018	14:59:21	12	0.0	13.66	644.5				
04/20/2018	14:59:51	12	0.0	11.17	644.5				
04/20/2018	15:00:21	12	0.1	11.14	644.5				
04/20/2018	15:00:51	59	0.3	11.81	644.5				
04/20/2018	15:01:21	110	2.4	9.47	644.6				
04/20/2018	15:01:51	126	3.3	9.48	646.3				
04/20/2018	15:02:21	126	2.8	9.42	648.0				
04/20/2018	15:02:51	177	4.0	9.35	650.1				
04/20/2018	15:03:21	140	4.0	9.12	652.2				
04/20/2018	15:03:51	138	0.0	8.33	654.4				
04/20/2018	15:04:21	134	3.0	8.38	656.5				
04/20/2018	15:04:51	118	3.7	8.43	658.6				
04/20/2018	15:05:21	170	3.9	8.44	660.8				
04/20/2018	15:05:51	129	0.0	8.32	662.9				
04/20/2018	15:06:21	78	0.0	8.26	665.0				
04/20/2018	15:06:51	9	0.4	8.39	666.7				
04/20/2018	15:07:21	71	2.4	8.37	667.3				
04/20/2018	15:07:51	11	0.0	8.38	668.0				
04/20/2018	15:08:21	5	0.0	8.38	668.0				
04/20/2018	15:08:51	4	0.0	8.38	668.0				
04/20/2018	15:09:21	3	0.0	8.38	668.0				
04/20/2018	15:09:51	3	0.0	8.38	668.0				
04/20/2018	15:10:21	-1	0.0	8.38	668.2				
04/20/2018	15:10:51	3	0.0	8.37	668.4				
04/20/2018	15:11:21	3	0.0	8.37	668.5				
04/20/2018	15:11:51	3	0.0	8.37	668.5				
04/20/2018	15:12:21	21	0.7	8.38	668.6				
04/20/2018	15:12:51	110	4.1	8.42	670.1				
04/20/2018	15:13:21	116	4.6	8.40	672.0				
04/20/2018	15:13:51	209	6.4	8.40	674.7				
04/20/2018	15:14:20	327	8.3	8.40	678.4	Start Displacement			

Well VERDE 13-14HZ EOPW-00153			Field WATENBERG		Job Start Apr/20/2018	Customer ANADARKO	Job Number 2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/20/2018	15:14:22	337	8.3	8.40	678.7	Drop Top Plug	
04/20/2018	15:14:51	332	8.3	8.37	682.7		
04/20/2018	15:15:21	335	8.2	8.37	686.8		
04/20/2018	15:15:51	332	8.2	8.37	690.9		
04/20/2018	15:16:21	329	8.3	8.37	695.1		
04/20/2018	15:16:51	338	8.3	8.37	699.2		
04/20/2018	15:17:21	338	8.3	8.37	703.3		
04/20/2018	15:17:51	328	8.3	8.37	707.5		
04/20/2018	15:18:21	736	8.2	8.37	711.6		
04/20/2018	15:18:51	1203	8.3	8.37	715.7		
04/20/2018	15:18:53	1207	8.2	8.37	716.0	picked up plug	
04/20/2018	15:19:21	1259	8.1	8.37	719.8		
04/20/2018	15:19:51	1293	8.1	8.37	723.9		
04/20/2018	15:20:21	1325	8.2	8.37	727.9		
04/20/2018	15:20:51	1362	8.2	8.37	732.0		
04/20/2018	15:21:21	1405	8.1	8.37	736.1		
04/20/2018	15:21:51	1443	8.1	8.37	740.2		
04/20/2018	15:22:21	1458	8.1	8.37	744.2		
04/20/2018	15:22:51	1505	8.1	8.37	748.3		
04/20/2018	15:23:21	1559	8.1	8.37	752.4		
04/20/2018	15:23:51	1594	8.1	8.37	756.4		
04/20/2018	15:24:21	1639	8.2	8.37	760.5		
04/20/2018	15:24:51	1686	8.1	8.37	764.6		
04/20/2018	15:25:21	1732	8.1	8.37	768.6		
04/20/2018	15:25:51	1757	8.0	8.37	772.7		
04/20/2018	15:26:21	1791	8.2	8.37	776.8		
04/20/2018	15:26:51	1823	8.0	8.37	780.8		
04/20/2018	15:27:21	1853	8.3	8.36	784.9		
04/20/2018	15:27:51	1896	8.1	8.36	789.0		
04/20/2018	15:28:21	1946	8.2	8.37	793.1		
04/20/2018	15:28:51	1977	8.3	8.37	797.1		
04/20/2018	15:29:21	2023	8.2	8.37	801.2		
04/20/2018	15:29:51	2075	8.1	8.36	805.2		
04/20/2018	15:30:21	2111	8.1	8.36	809.3		
04/20/2018	15:30:51	2150	7.9	8.36	813.3		
04/20/2018	15:31:21	2193	8.1	8.36	817.4		
04/20/2018	15:31:51	2230	8.1	8.36	821.4		
04/20/2018	15:32:21	2263	8.1	8.36	825.5		
04/20/2018	15:32:51	2299	8.4	8.36	829.5		
04/20/2018	15:33:21	2346	8.2	8.36	833.5		
04/20/2018	15:33:51	2378	8.1	8.36	837.6		
04/20/2018	15:34:21	2414	8.0	8.36	841.7		
04/20/2018	15:34:51	2456	8.1	8.36	845.7		
04/20/2018	15:35:21	2482	8.3	8.36	849.7		
04/20/2018	15:35:51	2503	8.0	8.36	853.8		
04/20/2018	15:36:21	2524	8.1	8.36	857.8		
04/20/2018	15:36:51	2528	8.1	8.36	861.8		
04/20/2018	15:37:21	2525	8.1	8.36	865.8		
04/20/2018	15:37:51	2528	8.0	8.36	869.9		
04/20/2018	15:38:21	2534	8.1	8.36	873.9		
04/20/2018	15:38:51	2534	8.0	8.36	877.9		
04/20/2018	15:39:21	2575	7.9	8.36	882.0		
04/20/2018	15:39:51	2591	8.0	8.36	886.0		
04/20/2018	15:40:21	2588	8.1	8.36	890.0		

Well			Field	Job Start		Customer	Job Number
VERDE 13-14HZ EOPW-00153			WATENBERG	Apr/20/2018		ANADARKO	2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/20/2018	15:41:21	2595	8.1	8.36	898.1		
04/20/2018	15:41:51	2607	8.0	8.36	902.1		
04/20/2018	15:42:21	2612	8.2	8.36	906.2		
04/20/2018	15:42:51	2661	7.9	8.36	910.2		
04/20/2018	15:43:21	2655	8.0	8.36	914.2		
04/20/2018	15:43:51	2653	8.1	8.36	918.3		
04/20/2018	15:44:21	2660	8.0	8.37	922.3		
04/20/2018	15:44:51	2681	8.1	8.36	926.3		
04/20/2018	15:45:21	2691	8.2	8.37	930.3		
04/20/2018	15:45:51	2695	8.0	8.37	934.4		
04/20/2018	15:46:21	2726	8.0	8.37	938.4		
04/20/2018	15:46:51	2753	8.0	8.37	942.4		
04/20/2018	15:47:21	2762	8.0	8.37	946.5		
04/20/2018	15:47:51	2800	8.0	8.37	950.5		
04/20/2018	15:48:21	2830	8.2	8.37	954.5		
04/20/2018	15:48:51	2836	8.2	8.37	958.6		
04/20/2018	15:49:21	2848	8.1	8.37	962.6		
04/20/2018	15:49:51	2870	8.0	8.37	966.6		
04/20/2018	15:50:21	2888	8.0	8.37	970.6		
04/20/2018	15:50:51	2550	6.2	8.37	974.3		
04/20/2018	15:51:21	2425	6.3	8.37	977.4		
04/20/2018	15:51:51	2443	6.3	8.37	980.6		
04/20/2018	15:52:21	2478	6.2	8.37	983.7		
04/20/2018	15:52:51	2505	6.3	8.37	986.8		
04/20/2018	15:53:21	2487	6.2	8.37	990.0		
04/20/2018	15:53:51	2534	6.2	8.37	993.3		
04/20/2018	15:54:21	2516	6.3	8.37	996.4		
04/20/2018	15:54:51	2544	6.2	8.37	999.5		
04/20/2018	15:55:21	2582	6.3	8.37	1002.6		
04/20/2018	15:55:51	2602	6.2	8.37	1005.7		
04/20/2018	15:56:21	2612	6.1	8.37	1008.8		
04/20/2018	15:56:51	2642	6.3	8.37	1011.9		
04/20/2018	15:57:21	2643	6.3	8.37	1015.0		
04/20/2018	15:57:51	2638	6.1	8.37	1018.1		
04/20/2018	15:58:21	2662	6.2	8.37	1021.3		
04/20/2018	15:58:51	2698	6.3	8.37	1024.4		
04/20/2018	15:59:21	2711	6.2	8.37	1027.5		
04/20/2018	15:59:51	2733	6.2	8.37	1030.6		
04/20/2018	16:00:21	2724	6.2	8.37	1033.7		
04/20/2018	16:00:51	2758	6.1	8.37	1036.8		
04/20/2018	16:01:21	2757	6.2	8.37	1039.9		
04/20/2018	16:01:51	2770	6.3	8.37	1043.0		
04/20/2018	16:02:21	2792	6.2	8.37	1046.1		
04/20/2018	16:02:51	2821	6.2	8.37	1049.2		
04/20/2018	16:03:21	2844	6.3	8.37	1052.3		
04/20/2018	16:03:51	2851	6.3	8.37	1055.4		
04/20/2018	16:04:21	2852	6.2	8.37	1058.5		
04/20/2018	16:04:51	2863	6.2	8.37	1061.6		
04/20/2018	16:05:21	2856	6.1	8.37	1064.7		
04/20/2018	16:05:51	2671	4.0	8.37	1067.8		
04/20/2018	16:06:21	2533	4.4	8.37	1070.0		
04/20/2018	16:06:51	2551	4.3	8.37	1072.2		
04/20/2018	16:07:21	2556	4.4	8.37	1074.4		
04/20/2018	16:07:51	2523	4.4	8.37	1076.6		

Well			Field	Job Start		Customer		Job Number	
VERDE 13-14HZ EOPW-00153			WATENBERG		Apr/20/2018		ANADARKO		2683044
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
04/20/2018	16:08:51	2550	4.4	8.37	1081.0				
04/20/2018	16:09:21	2547	4.3	8.37	1083.2				
04/20/2018	16:09:51	2578	4.5	8.37	1085.4				
04/20/2018	16:10:21	2622	4.4	8.37	1087.6				
04/20/2018	16:10:51	2650	4.6	8.37	1089.7				
04/20/2018	16:11:21	2638	4.3	8.37	1091.9				
04/20/2018	16:11:51	2661	4.3	8.37	1094.1				
04/20/2018	16:12:21	2671	4.3	8.37	1096.3				
04/20/2018	16:12:51	2625	4.4	8.37	1098.5				
04/20/2018	16:13:21	2632	4.3	8.37	1100.7				
04/20/2018	16:13:51	2640	4.4	8.37	1102.9				
04/20/2018	16:14:21	2682	4.3	8.37	1105.1				
04/20/2018	16:14:51	2671	4.5	8.37	1107.3				
04/20/2018	16:15:21	3478	4.4	8.37	1109.5				
04/20/2018	16:15:30	3252	0.0	8.37	1109.6	Bump Top Plug			
04/20/2018	16:15:31	3248	0.0	8.37	1109.6	End Displacement			
04/20/2018	16:15:34	3382	0.0	8.37	1109.6	Reset Total, Vol = 440.17 bbl			
04/20/2018	16:15:51	2532	0.0	8.37	1109.6				
04/20/2018	16:16:21	2002	0.0	8.37	1109.6				
04/20/2018	16:16:51	1890	0.0	8.37	1109.6				
04/20/2018	16:17:21	1842	0.0	8.37	1109.6				
04/20/2018	16:17:51	2046	1.3	8.37	1110.1				
04/20/2018	16:18:21	1951	0.0	8.37	1110.3				
04/20/2018	16:18:51	1871	0.0	8.37	1110.3				
04/20/2018	16:19:21	1831	0.0	8.37	1110.3				
04/20/2018	16:19:51	1807	0.0	8.37	1110.3				
04/20/2018	16:20:21	1790	0.0	8.37	1110.3				
04/20/2018	16:20:51	1777	0.0	8.38	1110.3				
04/20/2018	16:21:21	1769	0.0	8.37	1110.3				
04/20/2018	16:21:51	1762	0.0	8.38	1110.3				
04/20/2018	16:22:21	1756	0.0	8.38	1110.3				
04/20/2018	16:22:51	1738	0.0	8.38	1110.3				
04/20/2018	16:23:21	1729	0.0	8.38	1110.3				
04/20/2018	16:23:51	1813	1.0	8.37	1110.5				
04/20/2018	16:24:21	2010	1.0	8.37	1111.0				
04/20/2018	16:24:51	2069	1.0	8.37	1111.5				
04/20/2018	16:25:21	2060	1.0	8.37	1112.0				
04/20/2018	16:25:51	2092	1.0	8.37	1112.5				
04/20/2018	16:26:21	2097	1.0	8.37	1113.0				
04/20/2018	16:26:51	2006	0.0	8.37	1113.4				
04/20/2018	16:27:21	1889	0.0	8.37	1113.4				
04/20/2018	16:27:51	1832	0.0	8.37	1113.4				
04/20/2018	16:28:21	1116	0.0	8.37	1113.4				
04/20/2018	16:28:51	-2	0.0	8.37	1113.4				
04/20/2018	16:29:21	-1	0.0	8.37	1113.4				
04/20/2018	16:29:51	-1	0.0	8.37	1113.4				
04/20/2018	16:30:21	-1	0.0	8.37	1113.4				
04/20/2018	16:30:51	-0	0.0	8.37	1113.4				
04/20/2018	16:31:08	1	0.0	8.37	1113.4	open tool			

Well VERDE 13-14HZ EOPW-00153	Field WATENBERG	Job Start Apr/20/2018	Customer ANADARKO	Job Number 2683044
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 5.9	N2	Mud	Maximum Rate 9.3		Total Slurry 537.0	Mud 0.0	Spacer 80.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 6247	Final 1	Average 1019	Bump Plug to 3200	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 527.0 bbl		Displacement 440.0 bbl		Mix Water Temp 55 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Jon Truitt				Schlumberger Supervisor NORM HASLAUER				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-