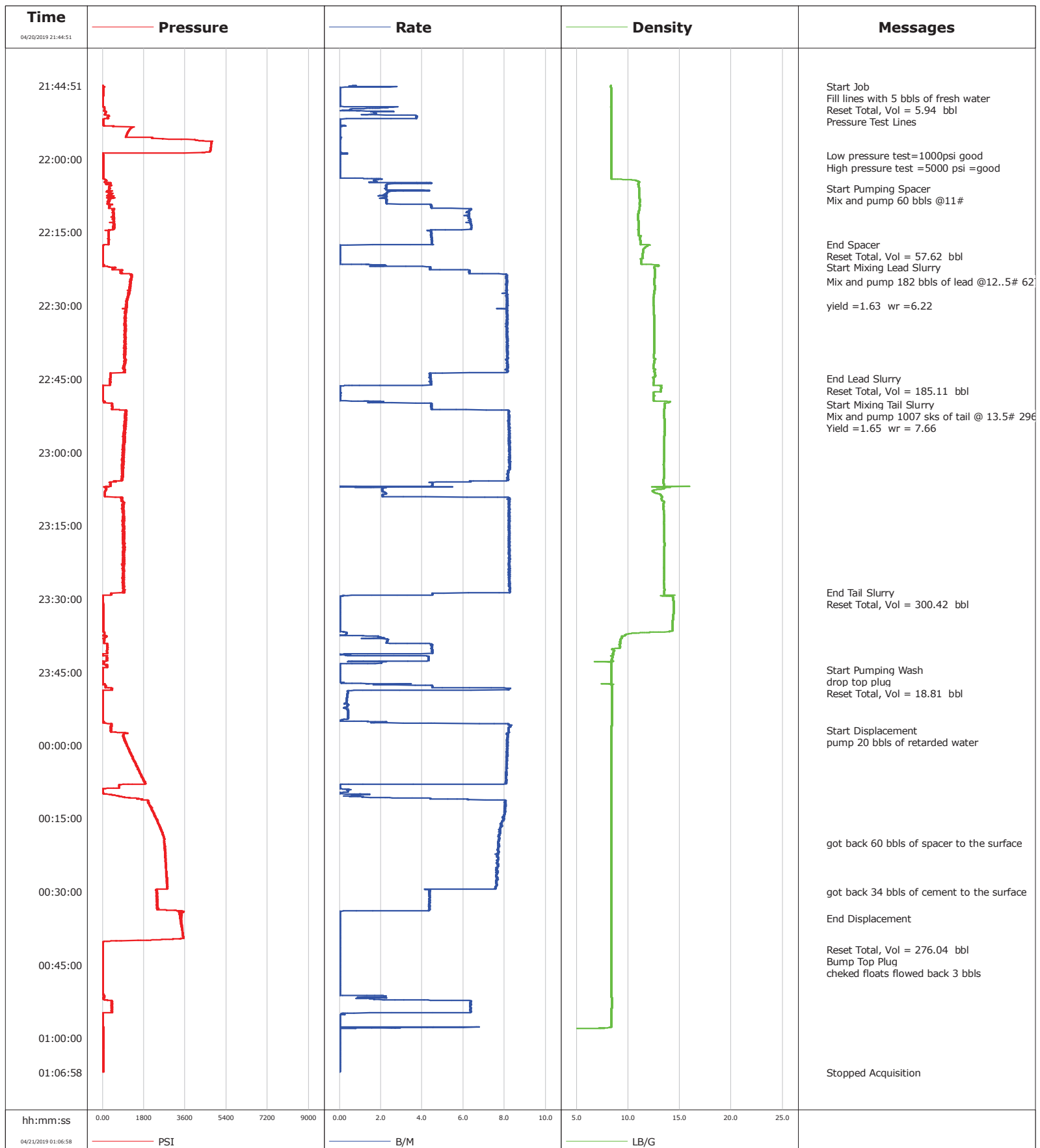


Well ECHVERRIA
Field WATTENBERG
Engineer ALBERT SNYDER
Country United States

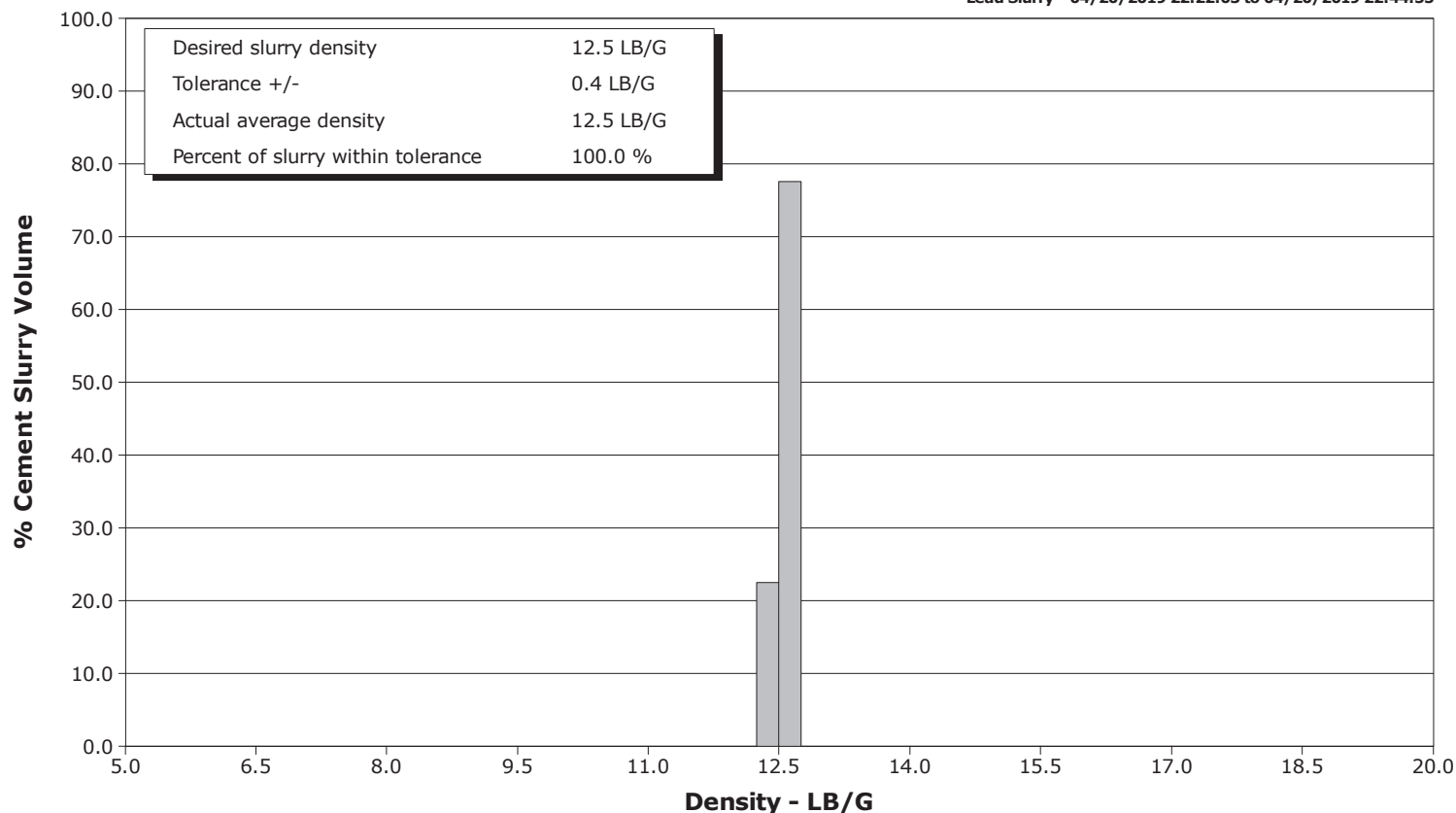
Client Cestone Peak
SIR No. 2965890
Job Type PRODUCTION
Job Date 04-21-2019



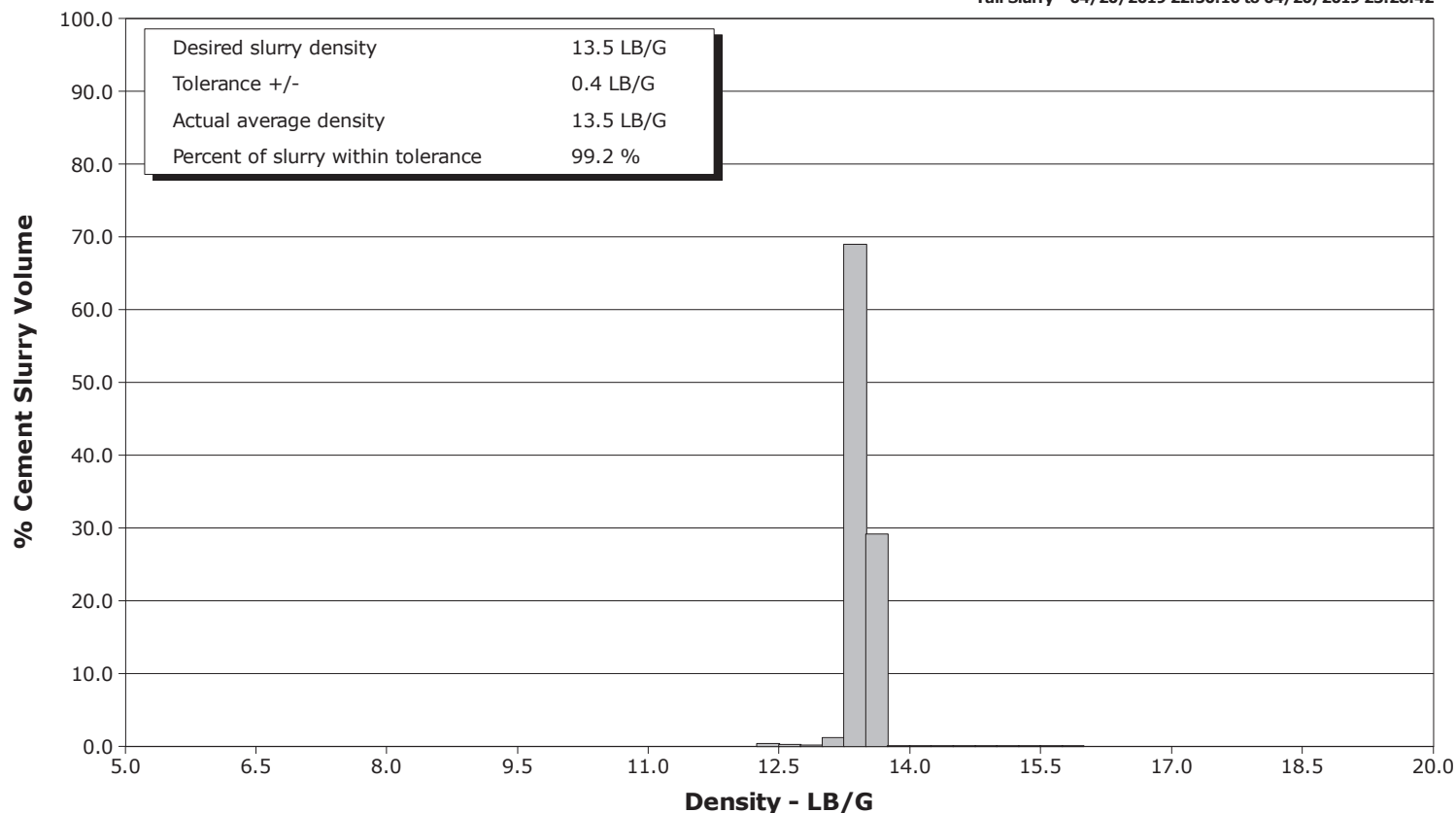
Well ECHVERRIA
Field WATTENBERG
Engineer ALBERT SNYDER
Country United States

Client Cestone Peak
SIR No. 2965890
Job Type PRODUCTION
Job Date 04-21-2019

Lead Slurry - 04/20/2019 22:22:03 to 04/20/2019 22:44:55



Tail Slurry - 04/20/2019 22:50:10 to 04/20/2019 23:28:42



				Customer Cestone Peak			Job Number 2965890	
Well ECHVERRIA 2G-2H-D267			Location (legal) 2G-2H-D267		Schlumberger Location CWY		Job Start Apr/21/2019	
Field WATTENBERG		Formation Name/Type		Deviation deg	Bit Size in	Well MD ft		Well TVD ft
County WELD		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal	
Well Mast#05-123-48745-00-00		API/UWI 05-123-48745-00-00						
Rig Name ENSIGN 142	Drilled For Oil & Gas	Service Via Land	Casing/ Liner					
			Depth, ft	Size, in	Weight, lb/ft	Grade		Thread
Offshore Zone N/A	Well Class New	Well Type Development						
Drilling Fluid Type LT OBM		Max. Density 10.20 lb/gal	Plastic Viscosity 2.000 cP	Tubing/Drill Pipe				
				T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
Service Line Cementing	Job Type PRODUCTION							
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection	Perforations/Open Hole					
			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft	
			ft	ft				
			ft	ft			Diameter in	
			ft	ft				
			Treat Down	Displacement bbl	Packer Type	Packer Depth ft		
			Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. bbl		
Casing/Tubing Secured <input type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job		
Lift Pressure 10221 psi			Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 12142.0 ft			Tool Type		
No. Centralizers	Top Plugs	Bottom Plugs	Stage Tool Type			Tool Depth ft		
Cement Head Type Double			Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Apr/20/2019 16:30	Arrived on Location Apr/20/2019 15:30	Leave Location Apr/21/2019 00:03	Collar Type Float			Tail Pipe Depth ft		
			Collar Depth 12125.0 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
04/20/2019	21:44:51	12	0.9	8.35	0.0	Started Acquisition		
04/20/2019	21:44:58	12	0.6	8.34	0.1	Start Job		
04/20/2019	21:45:00	11	0.6	8.34	0.1	Fill lines with 5 bbls of fresh water		
04/20/2019	21:46:00	31	0.0	8.36	0.5	Reset Total, Vol = 5.94 bbl		
04/20/2019	21:46:51	29	0.0	8.36	0.5			
04/20/2019	21:47:00	30	0.0	8.36	0.5	Pressure Test Lines		
04/20/2019	21:48:51	9	0.0	8.36	0.5			
04/20/2019	21:50:51	111	1.3	8.37	2.9			
04/20/2019	21:52:51	29	0.0	8.37	5.8			
04/20/2019	21:54:51	1061	0.0	8.37	5.8			
04/20/2019	21:56:51	4738	0.0	8.37	5.8			
04/20/2019	21:58:51	12	0.3	8.37	5.9			
04/20/2019	21:59:12	25	0.0	8.37	5.9	Low pressure test=1000psi good		
04/20/2019	21:59:14	25	0.0	8.37	5.9	High pressure test =5000 psi =good		
04/20/2019	22:00:51	25	0.0	8.37	0.0			
04/20/2019	22:02:51	24	0.0	8.37	0.0			
04/20/2019	22:04:51	360	4.5	11.01	1.8			
04/20/2019	22:05:59	333	2.3	11.05	4.8	Start Pumping Spacer		
04/20/2019	22:06:00	302	2.2	11.05	4.8	Mix and pump 60 bbls @11#		
04/20/2019	22:06:51	298	2.3	11.06	7.1			
04/20/2019	22:08:51	262	2.3	11.12	11.6			

Well ECHVERRIA 2G-2H-D267			Field WATTENBERG		Job Start Apr/21/2019	Customer Cestone Peak	Job Number 2965890
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/20/2019	22:12:51	465	6.3	10.99	33.7		
04/20/2019	22:14:51	260	4.4	11.01	45.7		
04/20/2019	22:16:51	245	4.5	11.19	54.6		
04/20/2019	22:17:22	251	4.5	11.20	56.9	End Spacer	
04/20/2019	22:17:32	60	0.4	12.13	57.6	Reset Total, Vol = 57.62 bbl	
04/20/2019	22:18:51	12	0.0	11.43	0.0		
04/20/2019	22:20:51	12	0.0	11.22	0.0		
04/20/2019	22:22:03	299	4.4	12.53	1.3	Start Mixing Lead Slurry	
04/20/2019	22:22:51	874	6.3	12.58	5.2		
04/20/2019	22:24:51	1208	8.1	12.54	20.3		
04/20/2019	22:25:00	1227	8.1	12.54	21.5	Mix and pump 182 bbls of lead @12..5# 627 sks	
04/20/2019	22:26:51	1186	8.0	12.56	36.5		
04/20/2019	22:28:51	1080	8.1	12.44	52.7		
04/20/2019	22:30:00	1061	8.2	12.47	62.0	yield =1.63 wr =6.22	
04/20/2019	22:32:51	980	8.1	12.52	85.1		
04/20/2019	22:34:51	991	8.1	12.52	101.4		
04/20/2019	22:36:51	992	8.1	12.52	117.6		
04/20/2019	22:38:51	968	8.1	12.52	133.8		
04/20/2019	22:40:51	969	8.1	12.60	150.1		
04/20/2019	22:42:51	975	8.2	12.44	166.4		
04/20/2019	22:44:51	334	4.4	12.45	178.6		
04/20/2019	22:44:55	319	4.4	12.47	178.9	End Lead Slurry	
04/20/2019	22:46:25	14	0.1	13.12	185.1	Reset Total, Vol = 185.11 bbl	
04/20/2019	22:46:51	15	0.0	13.20	0.0		
04/20/2019	22:48:51	17	0.0	12.43	0.0		
04/20/2019	22:50:10	421	4.4	13.54	1.8	Start Mixing Tail Slurry	
04/20/2019	22:50:11	415	4.4	13.54	1.9	Mix and pump 1007 sks of tail @ 13.5# 296 bbls	
04/20/2019	22:50:51	431	4.4	13.53	4.9		
04/20/2019	22:52:51	983	8.2	13.49	19.5		
04/20/2019	22:54:51	1024	8.2	13.55	35.9		
04/20/2019	22:55:00	1001	8.2	13.55	37.2	Yield =1.65 wr = 7.66	
04/20/2019	22:56:51	932	8.2	13.51	52.4		
04/20/2019	22:58:51	914	8.2	13.48	68.9		
04/20/2019	23:00:51	898	8.2	13.49	85.3		
04/20/2019	23:02:51	885	8.2	13.43	101.8		
04/20/2019	23:04:51	890	8.1	13.49	118.2		
04/20/2019	23:06:51	352	4.5	13.45	131.5		
04/20/2019	23:08:51	104	2.1	13.17	135.9		
04/20/2019	23:10:51	911	8.2	13.38	150.3		
04/20/2019	23:12:51	930	8.2	13.48	166.8		
04/20/2019	23:14:51	918	8.2	13.48	183.2		
04/20/2019	23:16:51	944	8.2	13.50	199.7		
04/20/2019	23:18:51	932	8.2	13.53	216.1		
04/20/2019	23:20:51	883	8.2	13.48	232.5		
04/20/2019	23:22:51	936	8.2	13.49	249.0		
04/20/2019	23:24:51	931	8.2	13.49	265.4		
04/20/2019	23:26:51	867	8.3	13.46	281.9		
04/20/2019	23:28:42	932	8.2	13.49	297.1	End Tail Slurry	
04/20/2019	23:28:51	362	4.8	13.49	298.3		
04/20/2019	23:29:19	44	1.6	13.80	300.4	Reset Total, Vol = 300.42 bbl	
04/20/2019	23:30:51	22	0.0	14.38	0.1		
04/20/2019	23:32:51	23	0.0	14.41	0.1		
04/20/2019	23:34:51	24	0.0	14.33	0.1		
04/20/2019	23:36:51	66	0.2	12.95	0.1		

Well			Field	Job Start		Customer	Job Number
ECHVERRIA 2G-2H-D267			WATTENBERG	Apr/21/2019		Cestone Peak	2965890
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/20/2019	23:40:51	195	4.5	8.59	11.1		
04/20/2019	23:42:51	1	0.4	8.59	18.0		
04/20/2019	23:44:29	7	0.0	8.38	18.8	Start Pumping Wash	
04/20/2019	23:44:51	11	0.0	8.38	18.8		
04/20/2019	23:45:00	11	0.0	8.38	18.8	drop top plug	
04/20/2019	23:46:51	14	0.0	8.37	18.8		
04/20/2019	23:47:09	15	0.1	8.37	18.8	Reset Total, Vol = 18.81 bbl	
04/20/2019	23:48:51	13	0.5	8.42	7.3		
04/20/2019	23:50:51	14	0.4	8.41	8.0		
04/20/2019	23:52:51	13	0.4	8.41	8.7		
04/20/2019	23:54:51	16	0.1	8.41	9.5		
04/20/2019	23:56:51	348	8.2	8.39	21.0		
04/20/2019	23:56:54	385	8.2	8.39	21.4	Start Displacement	
04/20/2019	23:58:00	927	8.2	8.38	30.4	pump 20 bbls of retarded water	
04/20/2019	23:58:51	941	8.1	8.38	37.3		
04/21/2019	00:00:51	1144	8.1	8.38	53.6		
04/21/2019	00:02:51	1357	8.1	8.38	69.8		
04/21/2019	00:04:51	1543	8.1	8.38	86.0		
04/21/2019	00:06:51	1750	8.1	8.38	102.2		
04/21/2019	00:08:51	242	0.0	8.38	111.5		
04/21/2019	00:10:51	1406	4.0	8.38	112.8		
04/21/2019	00:12:51	2161	8.0	8.38	127.8		
04/21/2019	00:14:51	2315	7.9	8.38	143.8		
04/21/2019	00:16:51	2535	7.8	8.38	159.5		
04/21/2019	00:18:51	2662	7.7	8.38	175.1		
04/21/2019	00:20:00	2702	7.7	8.38	183.9	got back 60 bbls of spacer to the surface	
04/21/2019	00:20:51	2725	7.7	8.38	190.5		
04/21/2019	00:22:51	2751	7.6	8.38	205.8		
04/21/2019	00:24:51	2773	7.7	8.38	221.2		
04/21/2019	00:26:51	2791	7.6	8.38	236.4		
04/21/2019	00:28:51	2831	7.6	8.38	251.7		
04/21/2019	00:30:00	2354	4.4	8.38	258.7	got back 34 bbls of cement to the surface	
04/21/2019	00:30:51	2388	4.4	8.38	262.4		
04/21/2019	00:32:51	2424	4.4	8.38	271.2		
04/21/2019	00:34:51	3484	0.0	8.38	276.0		
04/21/2019	00:35:24	3385	0.0	8.38	276.0	End Displacement	
04/21/2019	00:36:51	3452	0.0	8.38	276.0		
04/21/2019	00:38:51	3498	0.0	8.38	276.0		
04/21/2019	00:40:51	15	0.0	8.38	276.0		
04/21/2019	00:41:47	16	0.0	8.38	276.0	Reset Total, Vol = 276.04 bbl	
04/21/2019	00:41:53	16	0.0	8.38	0.0	Bump Top Plug	
04/21/2019	00:41:54	15	0.0	8.38	0.0	cheked floats flowed back 3 bbls	
04/21/2019	00:42:51	15	0.0	8.37	0.0		
04/21/2019	00:44:51	15	0.0	8.37	0.0		
04/21/2019	00:46:51	16	0.0	8.38	0.0		
04/21/2019	00:48:51	15	0.0	8.38	0.0		
04/21/2019	00:50:51	15	0.0	8.38	0.0		
04/21/2019	00:52:51	413	6.3	8.40	5.6		
04/21/2019	00:54:51	27	1.5	8.38	18.2		
04/21/2019	00:56:51	14	0.0	8.38	18.3		
04/21/2019	00:58:51	26	0.0	0.04	19.4		
04/21/2019	01:00:51	27	0.0	0.01	19.4		
04/21/2019	01:02:51	22	0.0	0.00	19.4		
04/21/2019	01:04:51	33	0.0	0.00	19.4		

Well ECHVERRIA 2G-2H-D267	Field WATTENBERG	Job Start Apr/21/2019	Customer Cestone Peak	Job Number 2965890
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 7.0	N2	Mud	Maximum Rate 8.0		Total Slurry 478.0	Mud	Spacer 60.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 2700	Final 3300	Average	Bump Plug to 3300	Breakdown	Type		Volume bbl	Density 10.20 lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 476.0 bbl		Displacement 269.0 bbl		Mix Water Temp 69 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 34.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative SATCH BOWE				Schlumberger Supervisor ALBERT SNYDER				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-