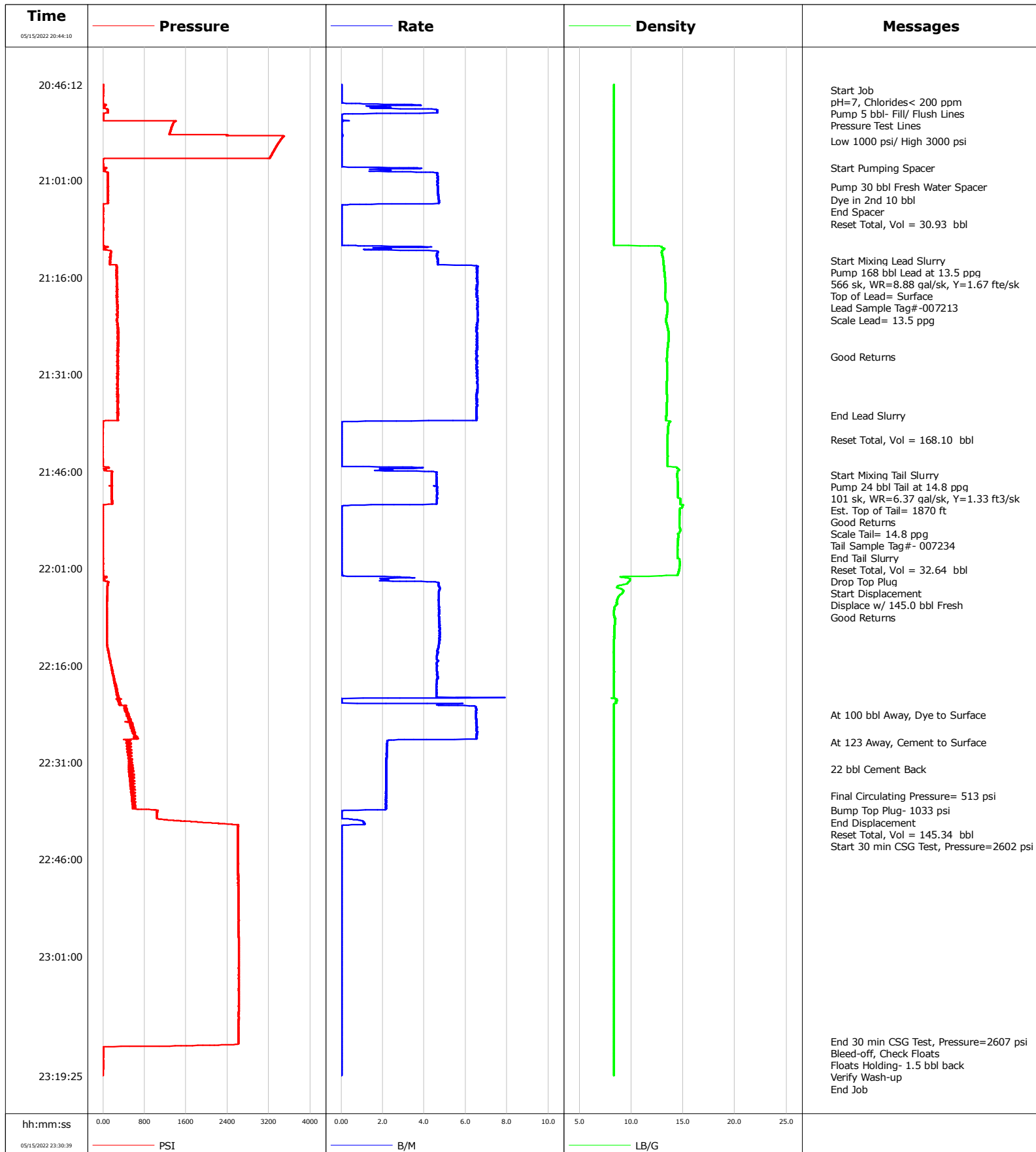


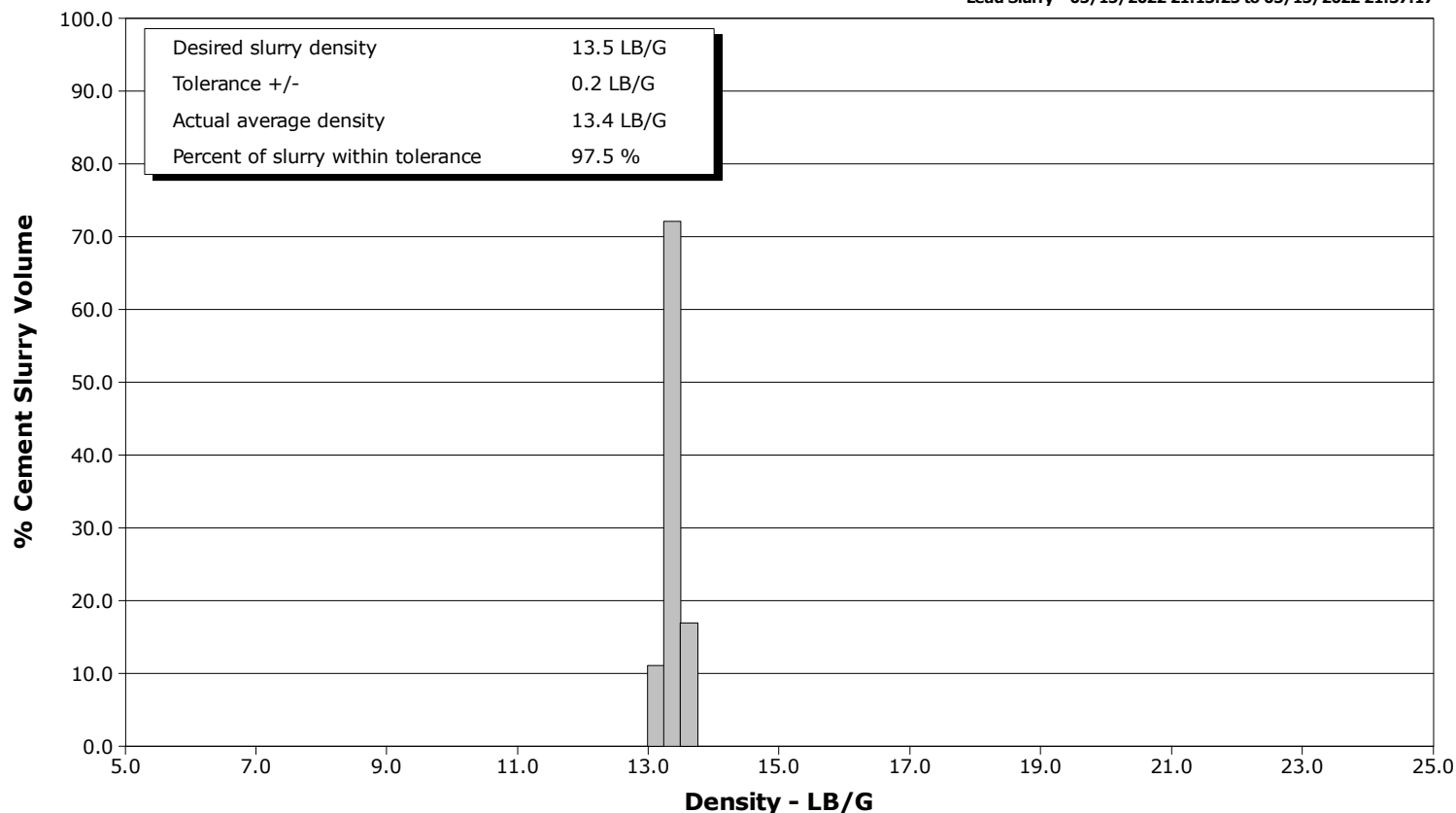
Well	Guttersen CC32-765	Client	Chevron
Field	Wattenberg	SIR No.	EOHC-00638
Engineer	Thomas Bailey	Job Type	9 5/8" Surface
Country	United States	Job Date	05-15-2022



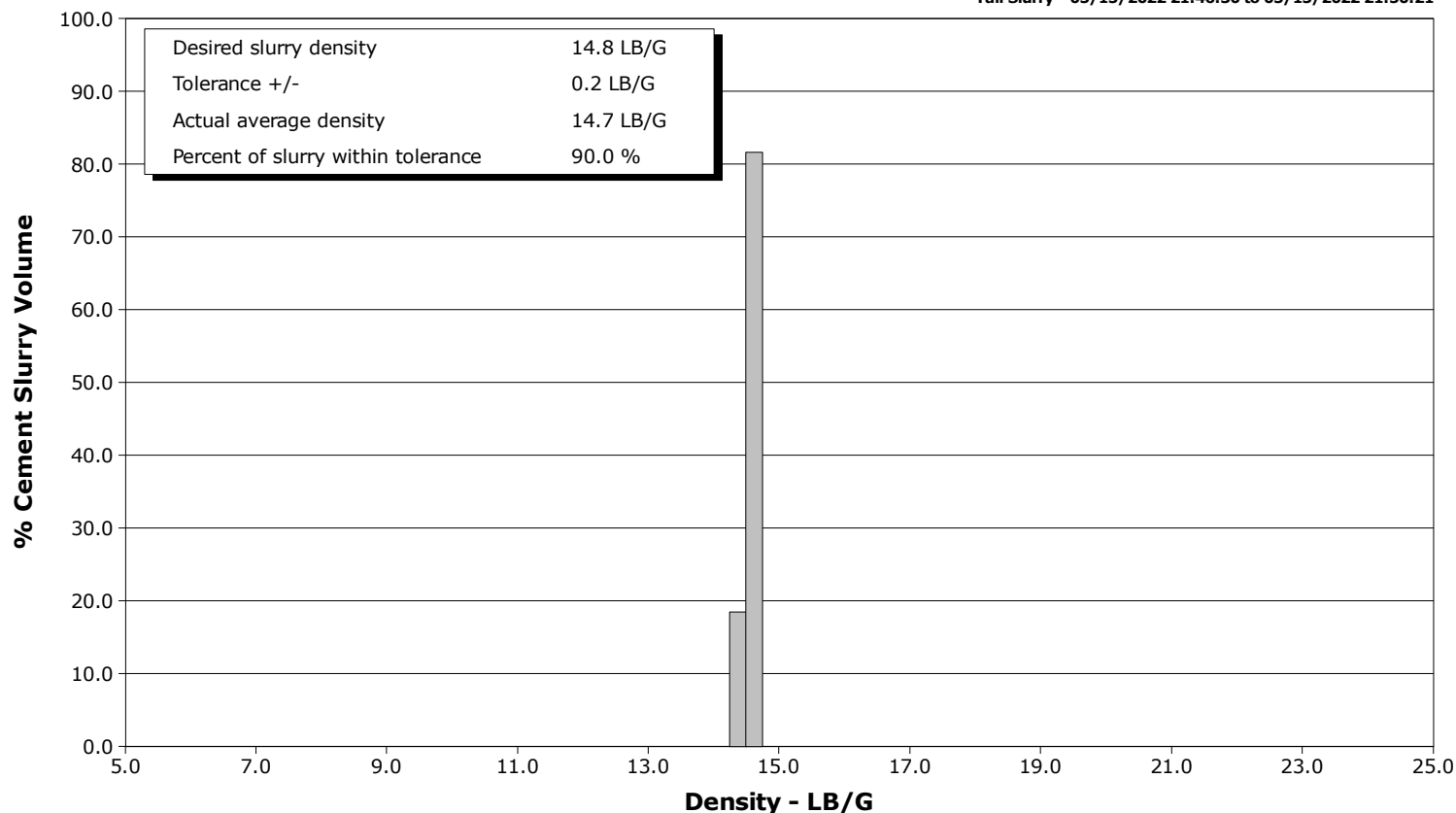
Well Guttersen CC32-765
Field Wattenberg
Engineer Thomas Bailey
Country United States

Client Chevron
SIR No. EOHC-00638
Job Type 9 5/8" Surface
Job Date 05-15-2022

Lead Slurry - 05/15/2022 21:13:25 to 05/15/2022 21:37:17



Tail Slurry - 05/15/2022 21:46:30 to 05/15/2022 21:50:21



Cementing Service Report

				Customer Chevron			Job Number EOHC-00638	
Well Guttersen CC32-765			Location (legal) HP 517		Schlumberger Location			Job Start May/15/2022
Field Wattenberg		Formation Name/Type		Deviation deg	Bit Size 13.5 in		Well MD 1959.0 ft	Well TVD 1959.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 114 degF	BHCT 80 degF	Pore Press. Gradient lb/gal	
Well Master 0065886676		API/UWI 05-123-49270						
Rig Name HP 517		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		110.0	16.0	36.94
						1949.0	9.6	36.0
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 9 5/8" Surface						
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Single Cement head		Perforations/Open Hole		
						Top, ft	Bottom, ft	shot/ft
							No. of Shots	Total Interval
						ft	ft	ft
						ft	ft	Diameter
						ft	ft	in
						Treat Down Casing	Displacement 145.0 bbl	Packer Type
								Packer Depth ft
						Tubing Vol. bbl	Casing Vol. 148.3 bbl	Annular Vol. 175.0 bbl
								Openhole Vol. 178.5 bbl
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job		
Lift Pressure 513 psi				Shoe Type Float		Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1949.0 ft		Tool Type		
No. Centralizers 10		Top Plugs 1		Bottom Plugs		Stage Tool Type		Tool Depth ft
Cement Head Type Single						Stage Tool Depth ft		Tail Pipe Size in
Job Scheduled For May/15/2022		Arrived on Location May/15/2022		Leave Location May/15/2022		Collar Type Float		Tail Pipe Depth ft
						Collar Depth 1904.0 ft		Sqz. Total Vol. bbl
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
05/15/2022	20:44:10	1	0.0	8.34	0.0	Started Acquisition		
05/15/2022	20:47:00	0	0.0	8.34	0.0	Start Job		
05/15/2022	20:47:10	0	0.0	8.34	0.0	pH=7, Chlorides< 200 ppm		
05/15/2022	20:48:20	-3	0.0	8.34	0.0			
05/15/2022	20:49:23	58	3.8	8.34	0.5	Pump 5 bbl- Fill/ Flush Lines		
05/15/2022	20:52:04	1365	0.0	8.34	5.2	Pressure Test Lines		
05/15/2022	20:52:30	1335	0.0	8.34	5.2			
05/15/2022	20:54:56	3409	0.0	8.34	5.2	Low 1000 psi/ High 3000 psi		
05/15/2022	20:56:40	3278	0.0	8.34	5.2			
05/15/2022	20:59:07	59	3.7	8.34	5.4	Start Pumping Spacer		
05/15/2022	21:00:50	97	4.6	8.34	12.0			
05/15/2022	21:02:00	97	4.6	8.34	17.4	Pump 30 bbl Fresh Water Spacer		
05/15/2022	21:04:04	92	4.7	8.34	27.1	Dye in 2nd 10 bbl		
05/15/2022	21:04:40	14	3.1	8.34	29.9	End Spacer		
05/15/2022	21:04:41	1	2.5	8.34	29.9	Reset Total, Vol = 30.93 bbl		
05/15/2022	21:05:00	-2	0.0	8.34	30.1			
05/15/2022	21:09:10	-2	0.0	8.34	30.1			
05/15/2022	21:13:20	145	4.7	13.08	38.6			
05/15/2022	21:13:25	140	4.6	13.08	39.0	Start Mixing Lead Slurry		
05/15/2022	21:14:17	262	6.6	13.14	43.3	Pump 168 bbl Lead at 13.5 ppg		
05/15/2022	21:14:26	262	6.5	13.15	44.3	566 sk, WR=8.88 gal/sk, Y=1.67 fte/sk		

Well Guttersen CC32-765 CC32-765			Field Wattenberg		Job Start May/15/2022		Customer Chevron		Job Number EOHC-00638	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
05/15/2022	21:17:18	265		6.5	13.30		63.1	Lead Sample Tag#-007213		
05/15/2022	21:17:30	265		6.5	13.30		64.4			
05/15/2022	21:21:40	276		6.6	13.44		91.7			
05/15/2022	21:22:00	278		6.6	13.41		93.9	Scale Lead= 13.5 ppg		
05/15/2022	21:25:50	297		6.5	13.57		119.0			
05/15/2022	21:28:18	272		6.5	13.43		135.1	Good Returns		
05/15/2022	21:30:00	284		6.5	13.44		146.2			
05/15/2022	21:34:10	294		6.5	13.42		173.5			
05/15/2022	21:38:20	-2		0.1	13.74		200.0			
05/15/2022	21:41:07	-11		0.0	13.51		200.0	Reset Total, Vol = 168.10 bbl		
05/15/2022	21:42:30	-11		0.0	13.51		200.0			
05/15/2022	21:46:30	163		4.6	14.41		204.2	Start Mixing Tail Slurry		
05/15/2022	21:46:40	168		4.6	14.41		204.9			
05/15/2022	21:46:59	166		4.6	14.43		206.4	Pump 24 bbl Tail at 14.8 ppg		
05/15/2022	21:47:09	171		4.6	14.44		207.2	101 sk, WR=6.37 gal/sk, Y=1.33 ft3/sk		
05/15/2022	21:47:21	166		4.6	14.45		208.1	Est. Top of Tail= 1870 ft		
05/15/2022	21:47:30	169		4.6	14.46		208.8	Good Returns		
05/15/2022	21:47:35	170		4.6	14.47		209.1	Scale Tail= 14.8 ppg		
05/15/2022	21:48:09	165		4.6	14.48		211.7	Tail Sample Tag#- 007234		
05/15/2022	21:50:21	167		4.6	14.73		221.9	End Tail Slurry		
05/15/2022	21:50:50	170		4.6	14.75		224.1			
05/15/2022	21:51:00	175		4.6	14.74		224.9	Reset Total, Vol = 32.64 bbl		
05/15/2022	21:55:00	-3		0.0	14.71		225.8			
05/15/2022	21:59:10	-2		0.0	14.47		225.8			
05/15/2022	22:01:40	-1		0.0	14.54		225.8	Drop Top Plug		
05/15/2022	22:02:42	23		2.2	9.89		226.9	Start Displacement		
05/15/2022	22:03:20	97		4.7	9.62		229.1			
05/15/2022	22:04:54	83		4.7	9.11		236.5	Displace w/ 145.0 bbl Fresh		
05/15/2022	22:05:16	76		4.7	8.82		238.2	Good Returns		
05/15/2022	22:07:30	72		4.7	8.35		248.7			
05/15/2022	22:11:40	74		4.7	8.35		268.4			
05/15/2022	22:15:50	162		4.6	8.34		287.8			
05/15/2022	22:20:00	282		4.6	8.34		307.0			
05/15/2022	22:23:40	473		6.5	8.34		326.7	At 100 bbl Away, Dye to Surface		
05/15/2022	22:24:10	498		6.5	8.34		330.0			
05/15/2022	22:27:50	465		2.2	8.34		352.3	At 123 Away, Cement to Surface		
05/15/2022	22:28:20	475		2.2	8.34		353.4			
05/15/2022	22:32:00	504		2.2	8.34		361.4	22 bbl Cement Back		
05/15/2022	22:32:30	508		2.2	8.34		362.4			
05/15/2022	22:36:10	564		2.2	8.34		370.4	Final Circulating Pressure= 513 psi		
05/15/2022	22:36:40	555		2.1	8.33		371.4			
05/15/2022	22:38:24	1055		0.4	8.34		375.1	Bump Top Plug- 1033 psi		
05/15/2022	22:38:30	1042		0.0	8.34		375.1	End Displacement		
05/15/2022	22:38:40	1033		0.0	8.34		375.1	Reset Total, Vol = 145.34 bbl		
05/15/2022	22:40:50	2606		0.0	8.34		376.0			
05/15/2022	22:40:52	2602		0.0	8.34		376.0	Start 30 min CSG Test, Pressure=2602 psi		
05/15/2022	22:45:00	2598		0.0	8.34		376.0			
05/15/2022	22:49:10	2604		0.0	8.34		376.0			
05/15/2022	22:53:20	2610		0.0	8.34		376.0			
05/15/2022	22:57:30	2609		0.0	8.34		376.0			
05/15/2022	23:01:40	2615		0.0	8.34		376.0			
05/15/2022	23:05:50	2614		0.0	8.34		376.0			
05/15/2022	23:10:00	2611		0.0	8.34		376.0			
05/15/2022	23:14:04	2607		0.0	8.34		376.0	End 30 min CSG Test, Pressure=2607 psi		

Well Guttersen CC32-765 CC32-765			Field Wattenberg		Job Start May/15/2022	Customer Chevron		Job Number EOHC-00638	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/15/2022	23:15:00	1	0.0	8.34	376.0	Bleed-off, Check Floats			
05/15/2022	23:15:15	0	0.0	8.34	376.0	Floats Holding- 1.5 bbl back			
05/15/2022	23:16:00	2	0.0	8.34	376.0	Verify Wash-up			
05/15/2022	23:17:00	0	0.0	8.34	376.0	End Job			
05/15/2022	23:22:30	54	4.1	8.34	378.7				

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.6	N2	Mud	Maximum Rate 6.6	Total Slurry 192.3	Mud 0.0	Spacer 30.0	N2					
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 3492	Final 7	Average 964	Bump Plug to 1033	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 192.3 bbl	Displacement 141.6 bbl	Mix Water Temp 65 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 22.0 bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative Mike Duncan			Schlumberger Supervisor Thomas Bailey			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					