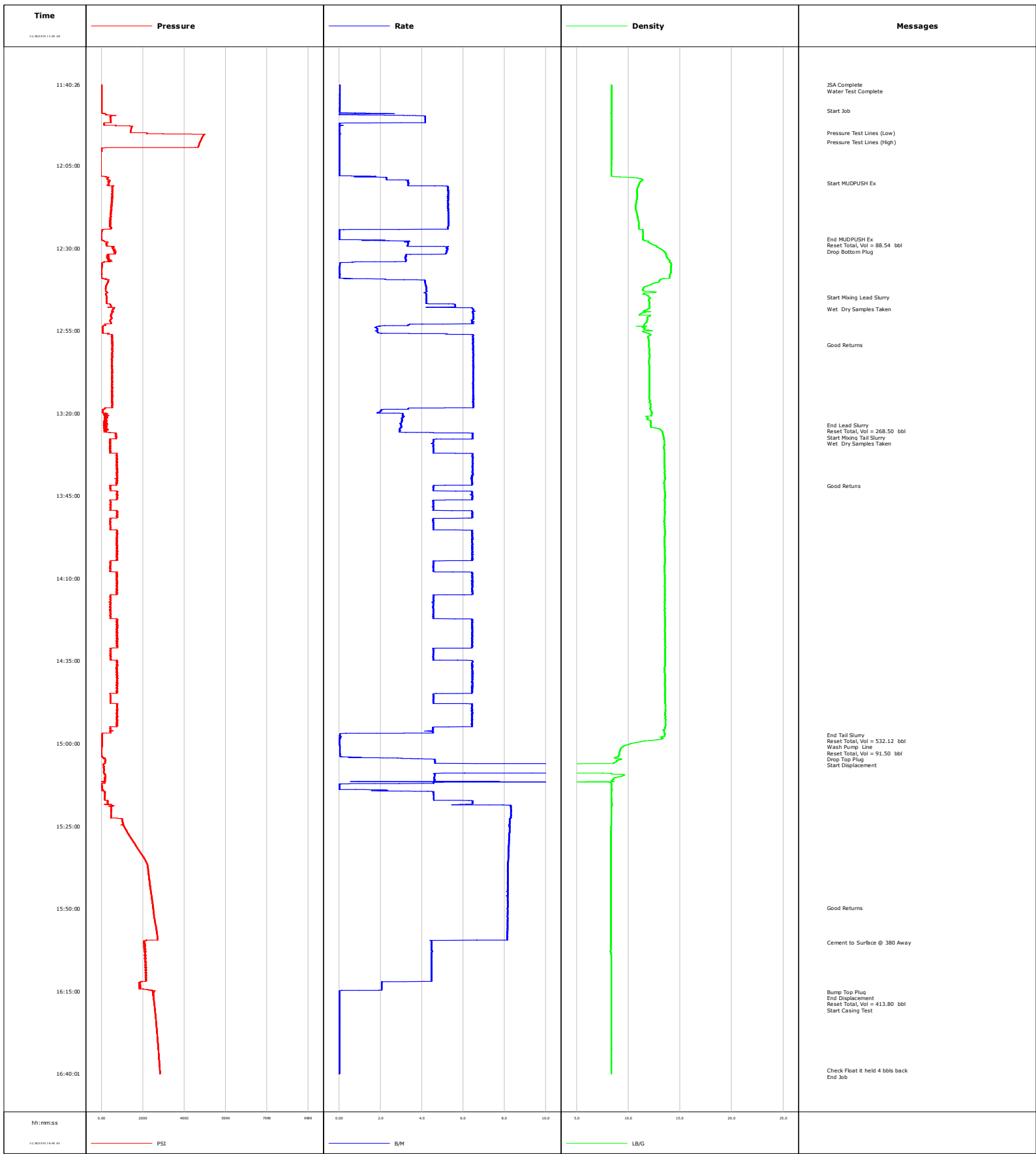
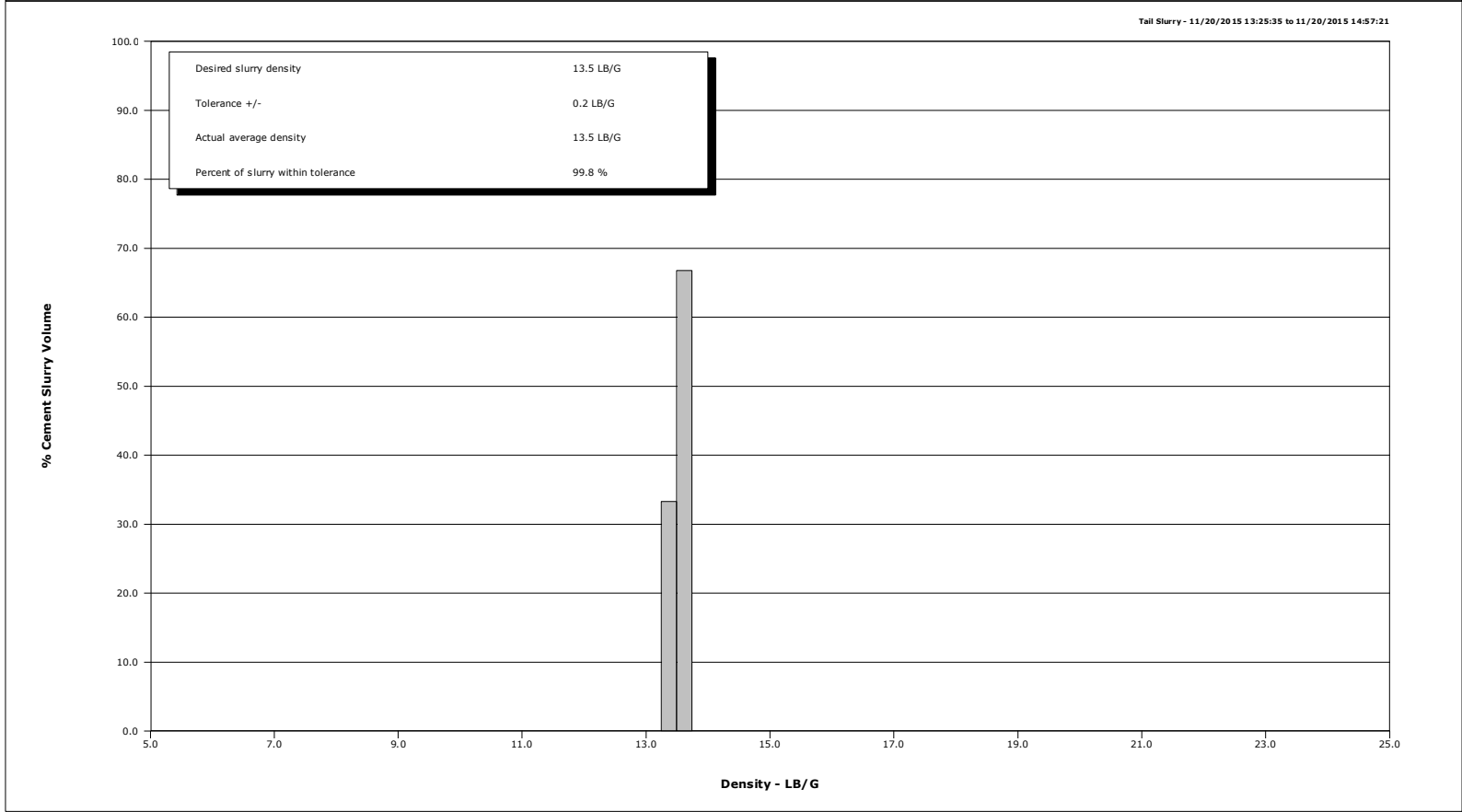
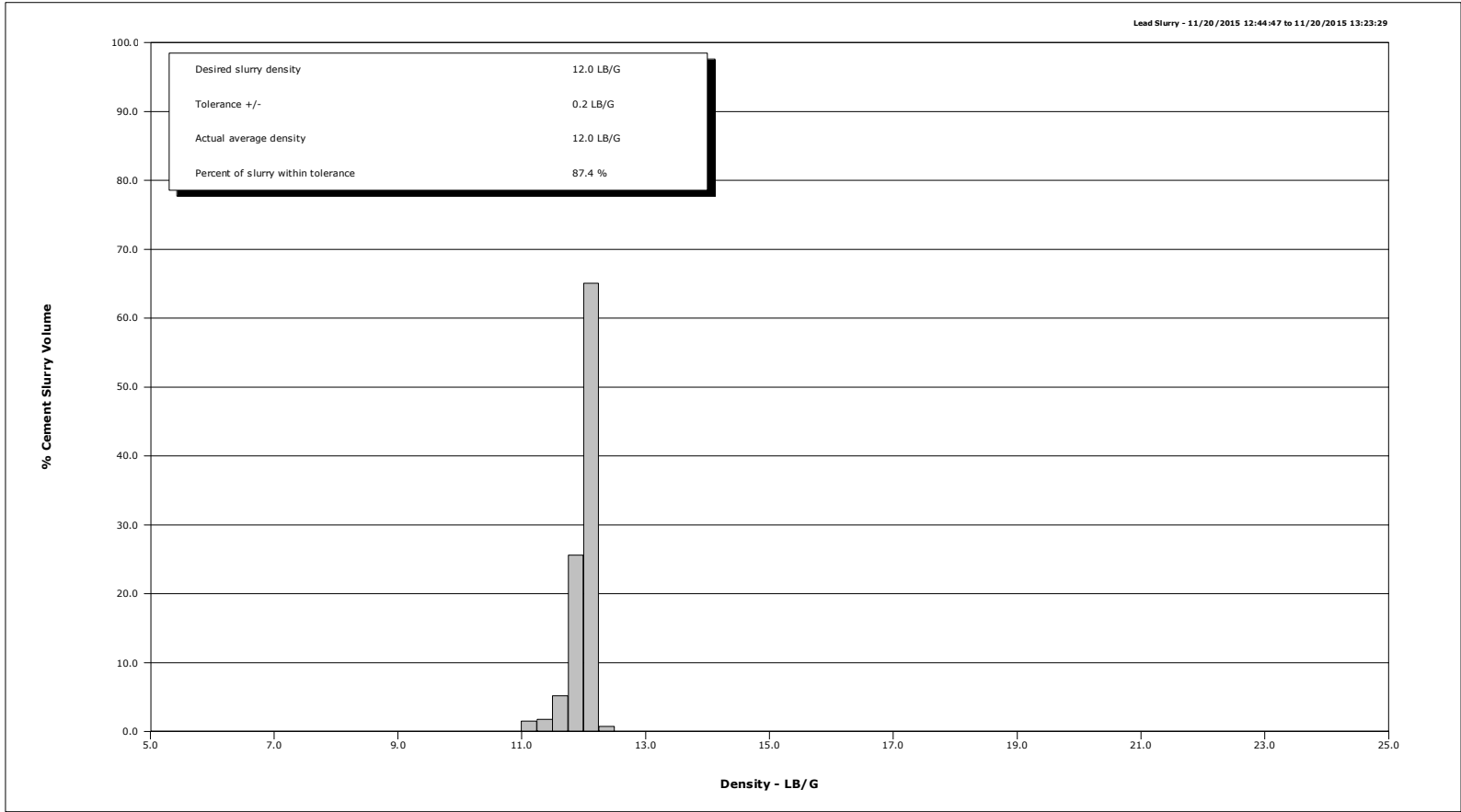


Well	Cook	Client	Anadarko
Field	Wattenberg	SIR No.	DSVO-00923
Engineer	Wayne Silvester/Taylor Baird	Job Type	Monobore
Country	United States	Job Date	11-20-2015



Well	Cook	Client	Anadarko
Field	Wattenberg	SIR No.	DSVO-00923
Engineer	Wayne Silvester/Taylor Baird	Job Type	Monobore
Country	United States	Job Date	11-20-2015



Customer Anadarko				Job Number DSVO-00923			
Well Cook 36N-28HZ		Location (Legal) 217304		Schlumberger Location Cheyenne		Job Start Nov/20/2015	
Field Wattenberg		Formation Name/Type Shale		Deviation deg 8.5 in	Bit Size 8.5 in	Well MD 17892.4 ft	Well TVD 7033.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 229 degF	BHCT 229 degF	Pore Press. Gradient lb/gal
Well Master 0631653364		API/UWI 05123421420000					
Rig Name HSP 307		Drilled For Oil & Gas	Service Via Land	Casing/Liner			
				Depth, ft	Size, in	Weight, lb/ft	Grade
Offshore Zone		Well Class New	Well Type Other	17892.4	5.5	17.0	N/A
				0.0	0.0	0.0	
Drilling Fluid Type LT OBM		Max. Density 9.50 lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing		Job Type Monobore					
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi	WH Connection 5 1/2	Perforations/Open Hole			
				Top, ft	Bottom, ft	Shot/ft	No. of Shots
Service Instructions				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
				Treat Down Casing	Displacement 413.9 bbl	Packer Type	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. 416.0 bbl	Annular Vol. 90.6 bbl	Openhole Vol. 652.0 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 2000 psi				Shoe Type Float		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Recirculated <input type="checkbox"/>		Shoe Depth 17892.4 ft		Tool Type	
No. Centralizers		Top Plugs 1	Bottom Plugs 1	Stage Tool Type		Tool Depth ft	
Cement Head Type Single				Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Nov/20/2015		Arrived on Location Nov/20/2015	Leave Location Nov/20/2015	Collar Type Float		Tail Pipe Depth ft	
				Collar Depth 17805.0 ft		Sep. Total Vol. bbl	
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_PRESS PSI	Message	
11/20/2015	11:40:26	0.0	8.37	131.3	2	Started Acquisition	
11/20/2015	11:40:27	0.0	8.37	131.3	2	ISA Complete	
11/20/2015	11:45:27	0.0	8.37	131.4	1		
11/20/2015	11:48:22	0.0	8.37	131.5	-1	Start Job	
11/20/2015	11:50:28	4.2	8.35	4.0	434		
11/20/2015	11:55:10	0.0	8.35	10.3	2173	Pressure Test Lines (Low)	
11/20/2015	11:55:29	0.0	8.35	10.3	4950		
11/20/2015	11:57:43	0.0	8.35	10.3	4755	Pressure Test Lines (High)	
11/20/2015	12:00:30	0.0	8.35	10.3	1		
11/20/2015	12:05:31	0.0	8.35	10.4	-13		
11/20/2015	12:10:20	3.3	11.05	16.4	410	Start MUDPUSH Ex	
11/20/2015	12:10:32	3.3	11.02	17.1	409		
11/20/2015	12:15:33	5.3	10.77	42.5	539		
11/20/2015	12:20:34	5.3	10.89	69.0	490		
11/20/2015	12:25:35	0.0	11.41	88.3	-0		
11/20/2015	12:27:13	0.0	11.38	88.3	3	End MUDPUSH Ex	
11/20/2015	12:27:14	0.0	11.38	88.3	3	Reset Total, Vol = 88.54 bbl	
11/20/2015	12:30:14	5.2	13.18	99.0	614	Drop Bottom Plug	
11/20/2015	12:30:36	5.2	13.36	100.9	602		
11/20/2015	12:35:37	0.0	14.12	114.4	9		
11/20/2015	12:40:38	4.2	12.36	120.0	300		

Well		Field		Job Start		Customer		Job Number		
Cook 36N-28HZ		Wattenberg		Nov/20/2015		Anadarko		DSVO-00923		
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	CPF1_PRESS PSI	Message				
11/20/2015	12:45:39		4.2	11.97	141.1	263				
11/20/2015	12:48:33		6.5	11.77	156.1	530	Wet Dry Samples Taken			
11/20/2015	12:50:40		6.5	11.85	169.8	438				
11/20/2015	12:55:41		2.1	11.90	190.1	68				
11/20/2015	12:59:20		6.5	11.97	213.0	522	Good Returns			
11/20/2015	13:00:42		6.5	12.01	221.9	530				
11/20/2015	13:05:43		6.5	12.02	254.4	534				
11/20/2015	13:10:44		6.5	12.04	286.9	534				
11/20/2015	13:15:45		6.5	12.04	319.4	539				
11/20/2015	13:20:46		3.1	11.92	342.4	284				
11/20/2015	13:23:29		3.0	12.16	350.6	105	End Lead Slurry			
11/20/2015	13:23:32		3.0	12.16	350.8	298	Reset Total, Vol = 268.50 bbl			
11/20/2015	13:25:35		2.9	13.31	356.8	168	Start Mixing Tail Slurry			
11/20/2015	13:25:47		4.6	13.27	357.5	395				
11/20/2015	13:26:49		6.5	13.37	364.1	716	Wet Dry Samples Taken			
11/20/2015	13:30:48		4.6	13.44	383.9	404				
11/20/2015	13:35:49		6.4	13.49	413.9	752				
11/20/2015	13:40:50		6.4	13.45	446.2	763				
11/20/2015	13:41:54		4.6	13.44	452.8	411	Good Returns			
11/20/2015	13:45:51		6.4	13.52	475.2	791				
11/20/2015	13:50:52		6.4	13.51	501.4	775				
11/20/2015	13:55:53		6.4	13.51	527.0	739				
11/20/2015	14:00:54		6.4	13.49	559.3	749				
11/20/2015	14:05:55		4.6	13.50	589.1	421				
11/20/2015	14:10:56		6.4	13.50	617.5	771				
11/20/2015	14:15:57		4.6	13.51	647.9	442				
11/20/2015	14:20:58		4.6	13.52	670.7	438				
11/20/2015	14:25:59		6.5	13.50	700.7	751				
11/20/2015	14:31:00		6.4	13.57	733.0	698				
11/20/2015	14:36:01		6.5	13.55	758.4	782				
11/20/2015	14:41:02		6.4	13.54	790.7	773				
11/20/2015	14:46:03		4.6	13.55	820.6	429				
11/20/2015	14:51:04		6.4	13.55	849.5	780				
11/20/2015	14:56:05		4.3	13.42	879.5	512				
11/20/2015	14:57:21		0.0	13.51	882.9	7	End Tail Slurry			
11/20/2015	14:57:27		0.0	13.51	882.9	7	Reset Total, Vol = 532.12 bbl			
11/20/2015	14:57:53		0.1	13.29	882.9	7	Wash Pump Line			
11/20/2015	15:00:07		0.0	10.09	883.0	6	Reset Total, Vol = 91.50 bbl			
11/20/2015	15:00:08		0.0	10.07	883.0	6	Drop Top Plug			
11/20/2015	15:00:09		0.0	10.06	883.0	6	Start Displacement			
11/20/2015	15:01:06		0.0	9.35	883.0	-6				
11/20/2015	15:06:07		21.3	3.44	892.3	135				
11/20/2015	15:11:08		4.6	8.39	965.6	195				
11/20/2015	15:16:09		4.6	8.35	979.5	155				
11/20/2015	15:21:10		8.3	8.34	1014.6	443				
11/20/2015	15:26:11		8.2	8.32	1056.1	1175				
11/20/2015	15:31:12		8.2	8.32	1097.3	1677				
11/20/2015	15:36:13		8.2	8.31	1138.3	2168				
11/20/2015	15:41:14		8.2	8.31	1179.3	2286				
11/20/2015	15:46:15		8.2	8.31	1220.2	2396				
11/20/2015	15:49:53		8.1	8.31	1249.8	2479	Good Returns			
11/20/2015	15:51:16		8.1	8.31	1261.0	2484				
11/20/2015	15:56:17		8.1	8.31	1301.9	2622				
11/20/2015	16:00:09		4.5	8.30	1331.1	2006	Cement to Surface @ 380 Away			

Well		Field		Job Start		Customer		Job Number	
Cook 36N-28HZ		Wattenberg		Nov/20/2015		Anadarko		DSVO-00923	
Date	Time 24-hr clock	Flow Rate B/M	Density LB/G	Volume BBL	CFF1_PRESS PSI	Message			
11/20/2015	16:06:19	4.5	8.33	1358.6	2070				
11/20/2015	16:11:20	4.5	8.34	1381.0	2124				
11/20/2015	16:15:12	0.0	8.34	1389.7	2447	Bump Top Plug			
11/20/2015	16:15:13	0.0	8.34	1389.7	2454	End Displacement			
11/20/2015	16:16:21	0.0	8.34	1389.7	2473				
11/20/2015	16:16:25	0.0	8.34	1389.7	2475	Reset Total, Vol = 413.80 bbl			
11/20/2015	16:18:03	0.0	8.34	1389.7	2508	Start Casing Test			
11/20/2015	16:21:22	0.0	8.35	1389.7	2572				
11/20/2015	16:26:23	0.0	8.35	1389.8	2643				
11/20/2015	16:31:24	0.0	8.35	1389.8	2709				
11/20/2015	16:36:25	0.0	8.35	1389.8	2771				
11/20/2015	16:39:02	0.0	8.35	1389.8	2803	Check Float it held 4 bbis back			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.0			8.0	794.0	0.0	80.4		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
4981	2814	1024	2500			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
%	780.0 bbl		413.8 bbl	60 degF	<input checked="" type="checkbox"/>	30.0 bbl		
					Washed Thru Perfs	To		
					<input type="checkbox"/>	ft		
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed		
Jermy Wilde			Wayne Silvester/Taylor Baird		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
					-	-		