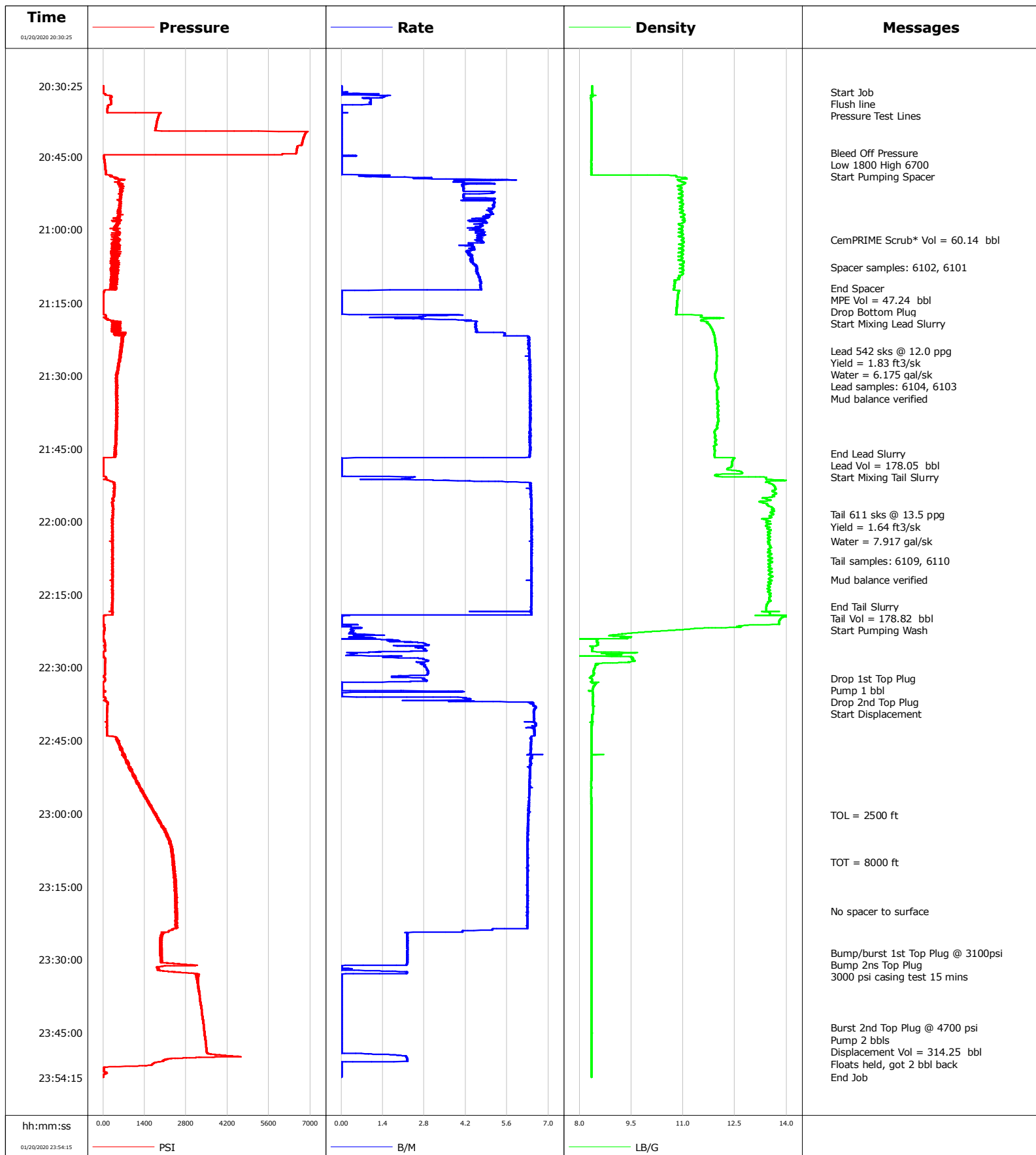


Well Windsock 21-6HZ
Field DJ
Engineer Hyunwoo Chung
Country United States

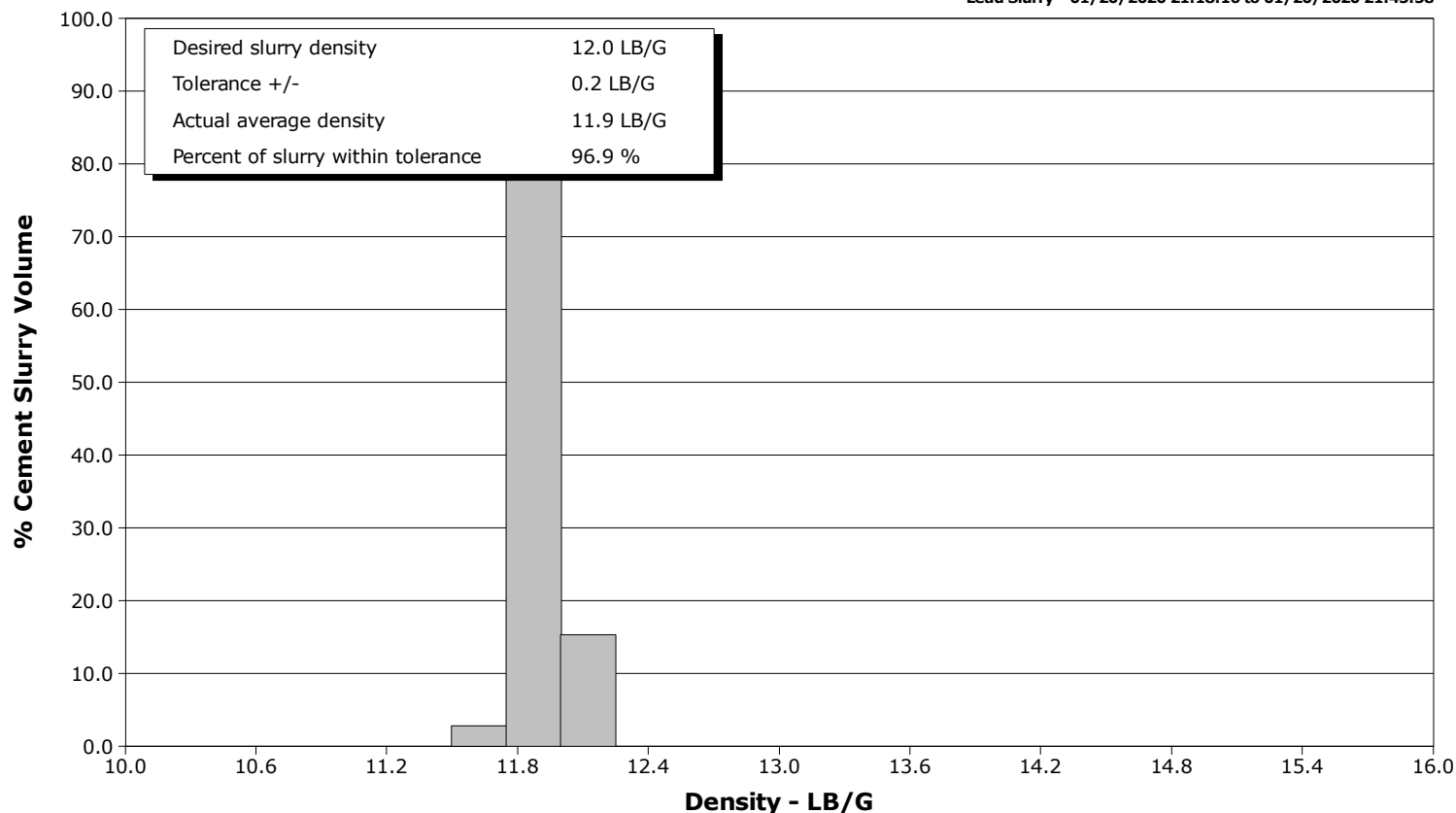
Client Anadarko
SIR No. EAJ7-01231
Job Type Production
Job Date 01-20-2020



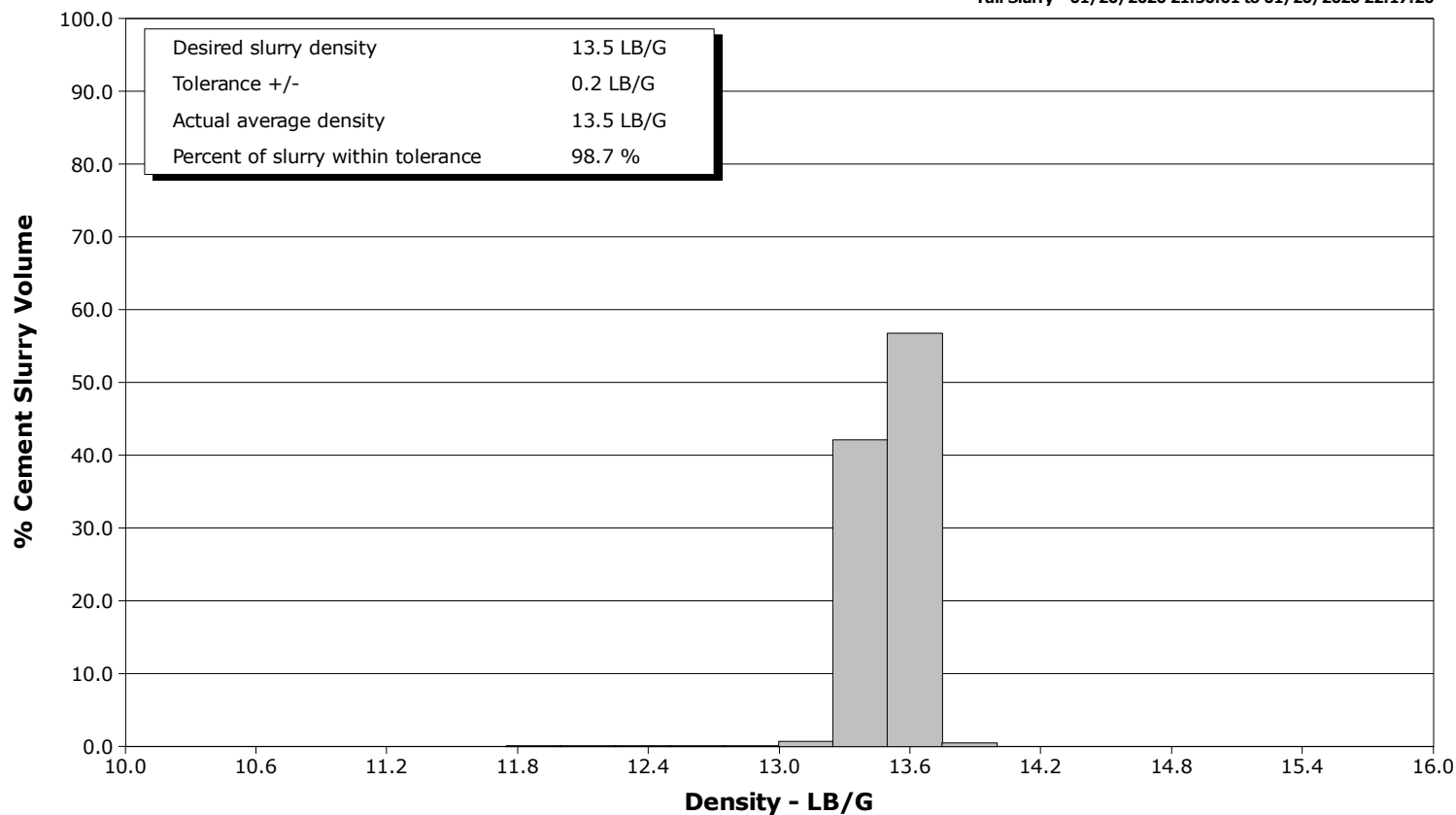
Well Windsock 21-6HZ
Field DJ
Engineer Hyunwoo Chung
Country United States

Client Anadarko
SIR No. EAJ7-01231
Job Type Production
Job Date 01-20-2020

Lead Slurry - 01/20/2020 21:18:16 to 01/20/2020 21:45:58



Tail Slurry - 01/20/2020 21:50:01 to 01/20/2020 22:17:20



Cementing Service Report

				Customer Anadarko			Job Number EAJ7-01231				
Well Windsock 21-6HZ			Location (legal) Cheyenne			Schlumberger Location Pierre-Alexander Lessard			Job Start Jan/20/2020		
Field DJ		Formation Name/Type Clean-Sandstone		Deviation deg		Bit Size in		Well MD 13552.9 ft		Well TVD 7878.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST degF		BHCT degF		Pore Press. Gradient lb/gal	
Well Master 0065959424		API/UWI 05-123-50638-00-00									
Rig Name PD461		Drilled For Oil and Gas		Service Via Land		Casing/ Liner					
						Depth, ft		Size, in		Weight, lb/ft	
										Grade	
Offshore Zone N/A		Well Class New		Well Type Development		13552.9		5.5		17.0	
						1903.0		9.6		36.0	
Drilling Fluid Type OBM		Max. Density 9.00 lb/gal		Plastic Viscosity 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 Single Cement head		Perforations/Open Hole					
						Top, ft		Bottom, ft		shot/ft	
						ft		ft			
						ft		ft			
						Treat Down Annulus		Displacement 314.3 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. 314.5 bbl		Annular Vol. 451.0 bbl	
										Openhole Vol. 0.0 bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>				Casing Tools			Squeeze Job		
Lift Pressure psi						Shoe Type Float			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 13552.9 ft			Tool Type		
No. Centralizers		Top Plugs 2		Bottom Plugs 1		Stage Tool Type			Tool Depth ft		
Cement Head Type Double						Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Jan/20/2020 17:30		Arrived on Location Jan/20/2020 16:20		Leave Location Jan/21/2020 01:00		Collar Type Float			Tail Pipe Depth ft		
						Collar Depth 13545.2 ft			Sqz. Total Vol. bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
01/20/2020	20:30:25	1	0.0	8.36	0.0	Started Acquisition					
01/20/2020	20:31:40	3	0.0	8.36	0.0	Start Job					
01/20/2020	20:32:00	8	0.6	8.36	0.0	Flush line					
01/20/2020	20:34:25	176	0.0	8.35	0.0	Pressure Test Lines					
01/20/2020	20:44:11	6517	0.0	8.35	0.0	Bleed Off Pressure					
01/20/2020	20:46:00	46	0.0	8.34	0.0	Low 1800 High 6700					
01/20/2020	20:48:15	93	0.0	8.34	0.0	Start Pumping Spacer					
01/20/2020	21:01:59	412	4.7	11.00	0.0	CemPRIME Scrub* Vol = 60.14 bbl					
01/20/2020	21:07:40	393	4.6	10.99	0.0	Spacer samples: 6102, 6101					
01/20/2020	21:12:00	423	4.7	10.74	0.0	End Spacer					
01/20/2020	21:12:24	203	2.9	10.72	0.0	MPE Vol = 47.24 bbl					
01/20/2020	21:13:24	11	0.0	10.85	0.0	Drop Bottom Plug					
01/20/2020	21:18:16	128	2.4	11.99	0.0	Start Mixing Lead Slurry					
01/20/2020	21:24:55	591	6.3	11.96	0.0	Lead 542 sks @ 12.0 ppg					
01/20/2020	21:26:36	574	6.3	11.97	0.0	Yield = 1.83 ft3/sk					
01/20/2020	21:28:06	492	6.4	11.97	0.0	Water = 6.175 gal/sk					
01/20/2020	21:30:31	444	6.4	11.93	0.0	Lead samples: 6104, 6103					
01/20/2020	21:32:11	481	6.4	11.99	0.0	Mud balance verified					
01/20/2020	21:45:58	419	6.4	11.91	0.0	End Lead Slurry					
01/20/2020	21:46:55	15	0.2	12.48	0.0	Lead Vol = 178.05 bbl					
01/20/2020	21:50:01	8	0.0	12.71	0.0	Start Mixing Tail Slurry					

Well			Field		Job Start	Customer		Job Number
Windssock 21-6HZ			DJ		Jan/20/2020	Anadarko		EAJ7-01231
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
01/20/2020	22:00:00	310	6.4	13.48	0.0	Yield = 1.64 ft3/sk		
01/20/2020	22:04:00	336	6.4	13.48	0.0	Water = 7.917 gal/sk		
01/20/2020	22:08:00	324	6.4	13.47	0.0	Tail samples: 6109, 6110		
01/20/2020	22:12:00	319	6.4	13.54	0.0	Mud balance verified		
01/20/2020	22:17:20	317	6.4	13.41	0.0	End Tail Slurry		
01/20/2020	22:18:22	292	6.4	13.41	0.0	Tail Vol = 178.82 bbl		
01/20/2020	22:20:03	10	0.0	13.81	0.0	Start Pumping Wash		
01/20/2020	22:32:13	63	2.8	8.34	0.0	Drop 1st Top Plug		
01/20/2020	22:33:10	1	0.0	8.46	0.0	Pump 1 bbl		
01/20/2020	22:34:00	6	0.0	8.40	0.0	Drop 2nd Top Plug		
01/20/2020	22:35:23	6	0.0	8.39	0.0	Start Displacement		
01/20/2020	23:00:17	1745	6.3	8.35	0.0	TOL = 2500 ft		
01/20/2020	23:10:00	2412	6.3	8.35	0.0	TOT = 8000 ft		
01/20/2020	23:20:00	2519	6.3	8.35	0.0	No spacer to surface		
01/20/2020	23:28:38	1986	2.2	8.35	0.0	Bump/burst 1st Top Plug @ 3100psi		
01/20/2020	23:30:10	1941	2.2	8.35	0.0	Bump 2ns Top Plug		
01/20/2020	23:33:00	3198	0.0	8.35	0.0	3000 psi casing test 15 mins		
01/20/2020	23:44:00	3396	0.0	8.36	0.0	Burst 2nd Top Plug @ 4700 psi		
01/20/2020	23:46:00	3437	0.0	8.36	0.0	Pump 2 bbls		
01/20/2020	23:48:59	3498	0.0	8.36	0.0	Displacement Vol = 314.25 bbl		
01/20/2020	23:50:00	4582	2.2	8.36	0.0	Floats held, got 2 bbl back		

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry	N2	Mud	Maximum Rate		Total Slurry 356.9	Mud	Spacer 107.4	N2				
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 6700	Final 0	Average	Bump Plug to 3000	Breakdown	Type	Volume bbl		Density lb/gal				
Avg. N2 Percent %	Designed Slurry Volume 355.0 bbl	Displacement 3134.3 bbl	Mix Water Temp 72 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative Bill Fryar			Schlumberger Supervisor Hyunwoo Chung			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					