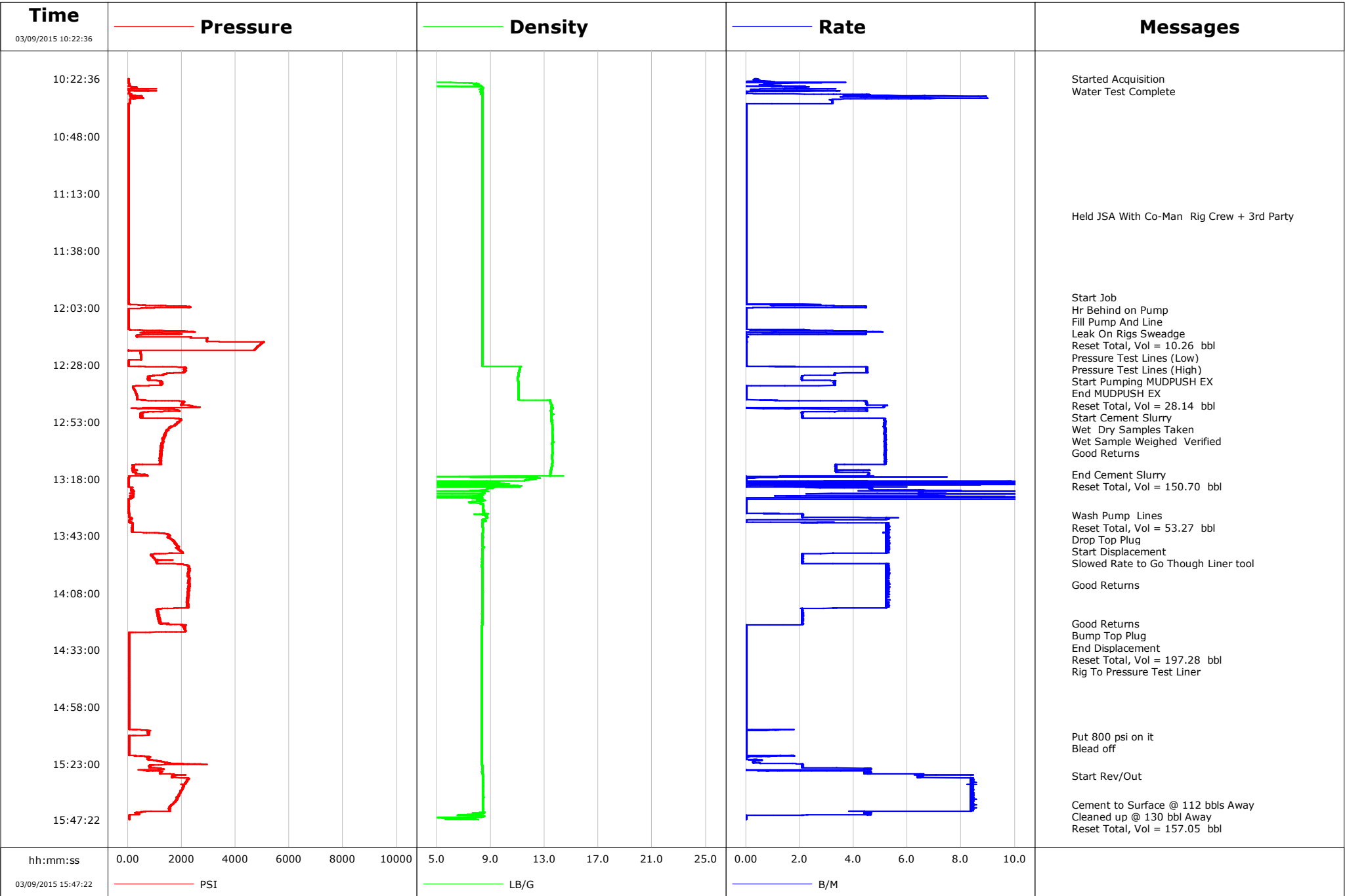


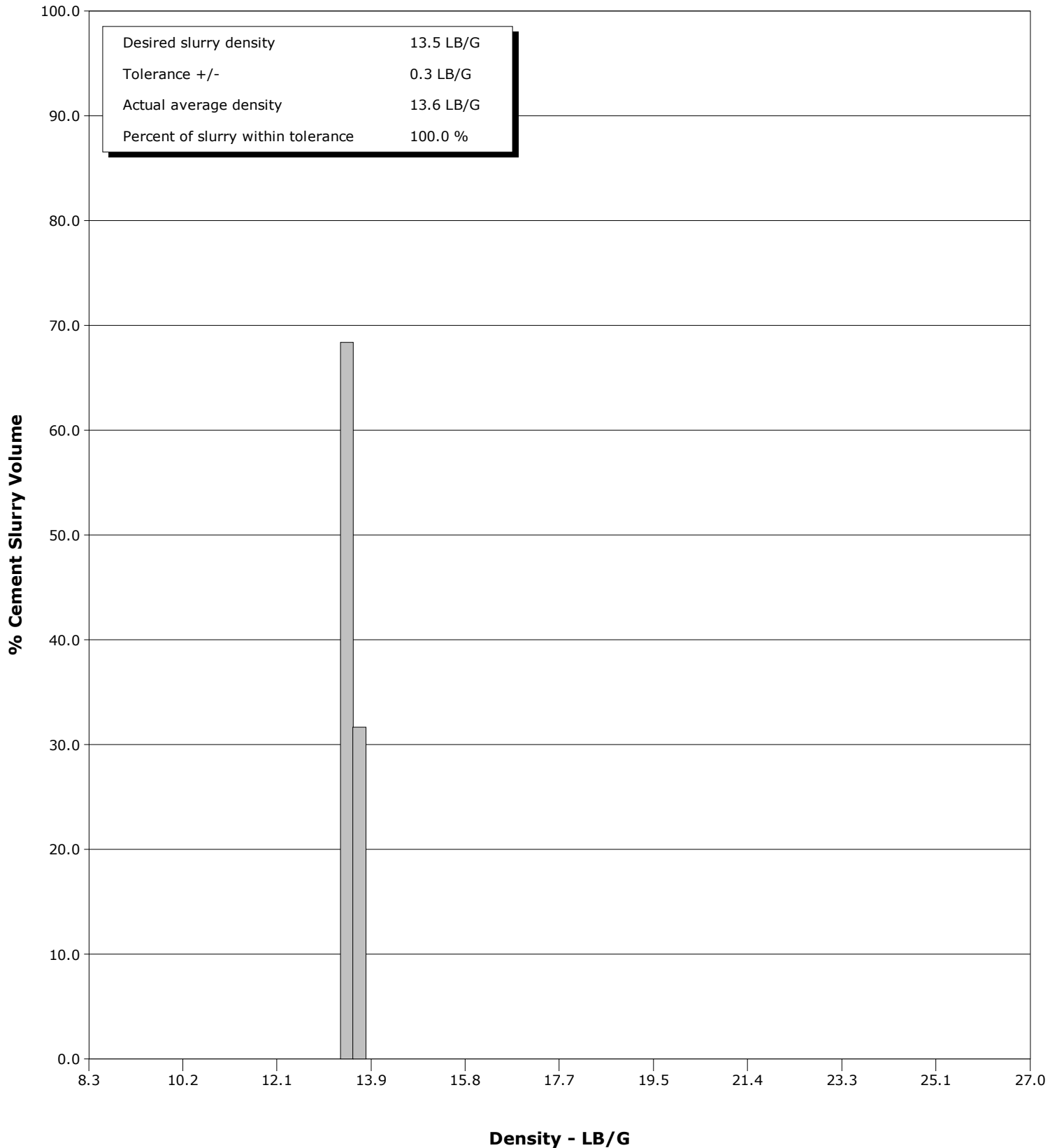
<b>Well</b>	Martinez 3-5-6	<b>Client</b>	Extraction
<b>Field</b>	Wattenberg	<b>SIR No.</b>	D2IK-00836
<b>Engineer</b>	Wayne Silvester/Paul Kroeger	<b>Job Type</b>	Liner
<b>Country</b>	United States	<b>Job Date</b>	03-09-2015



**Well** Martinez 3-5-6  
**Field** Wattenberg  
**Engineer** Wayne Silvester/Paul Kroeger  
**Country** United States

**Client** Extraction  
**SIR No.** D2IK-00836  
**Job Type** Liner  
**Job Date** 03-09-2015

Cement Slurry - 03/09/2015 12:44:04 to 03/09/2015 13:16:01



# Cementing Service Report

				Customer Extraction				Job Number D2IK-00836							
Well Martinez 3-5-6 3-5-6			Location (legal) 217304			Schlumberger Location Cheyenne			Job Start Mar/09/2015						
Field Wattenberg		Formation Name/Type			Deviation deg		Bit Size 6.1 in		Well MD 14856.0 ft		Well TVD 14897.7 ft				
County Weld		State/Province Colorado			BHP psi		BHST 204 degF		BHCT 204 degF		Pore Press. Gradient lb/gal				
Well Master 0631619613		API/UWI													
Rig Name Savanna 802		Drilled For Oil & Gas		Service Via Land		Casing/ Liner									
						Depth, ft		Size, in		Weight, lb/ft		Grade			
						7914.1		4.5		13.5		P110			
Offshore Zone		Well Class New		Well Type Other		0.0		0.0		0.0					
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe									
						T/D		Depth, ft		Size, in		Weight, lb/ft			
						D		2769.5		4.5		13.8			
						D		4214.1		4.5		16.6			
Service Line Cementing		Job Type Liner				Perforations/Open Hole									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 1502		Top, ft		Bottom, ft		shot/ft		No. of Shots			
						ft		ft				Total Interval ft			
						ft		ft				Diameter in			
						ft		ft							
						Treat Down Drill Pipe		Displacement 197.8 bbl		Packer Type		Packer Depth ft			
						Tubing Vol. bbl		Casing Vol. 198.0 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 12865 psi								Shoe Type Float				Squeeze Type			
Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 14897.7 ft				Tool Type			
No. Centralizers				Top Plugs 1		Bottom Plugs		Stage Tool Type				Tool Depth ft			
Cement Head Type								Stage Tool Depth ft				Tail Pipe Size in			
Job Scheduled For Mar/09/2015		Arrived on Location Mar/09/2015		Leave Location Mar/09/2015		Collar Type Float				Tail Pipe Depth ft					
						Collar Depth 14856.0 ft				Sqz. Total Vol. bbl					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message									
03/09/2015	10:22:36	23	0.4	0.04	0.0	Started Acquisition									
03/09/2015	10:22:44	23	0.3	0.04	0.0	Water Test Complete									
03/09/2015	10:27:37	29	0.2	8.39	0.0										
03/09/2015	10:32:38	74	3.2	8.38	0.0										
03/09/2015	10:37:39	25	0.0	8.39	0.0										
03/09/2015	10:42:40	25	0.0	8.39	0.0										
03/09/2015	10:47:41	25	0.0	8.39	0.0										
03/09/2015	10:52:42	25	0.0	8.39	0.0										
03/09/2015	10:57:43	24	0.0	8.39	0.0										
03/09/2015	11:02:44	24	0.0	8.39	0.0										
03/09/2015	11:07:45	24	0.0	8.39	0.0										
03/09/2015	11:12:46	24	0.0	8.39	0.0										
03/09/2015	11:17:47	24	0.0	8.39	0.0										
03/09/2015	11:22:47	25	0.0	8.39	0.0	Held JSA With Co-Man Rig Crew + 3rd Party									
03/09/2015	11:22:48	24	0.0	8.39	0.0										
03/09/2015	11:27:49	24	0.0	8.39	0.0										
03/09/2015	11:32:50	24	0.0	8.39	0.0										
03/09/2015	11:37:51	24	0.0	8.39	0.0										
03/09/2015	11:42:52	25	0.0	8.39	0.1										
03/09/2015	11:47:53	25	0.0	8.39	0.1										
03/09/2015	11:52:54	25	0.0	8.39	0.1										

Well			Field	Job Start		Customer	Job Number	
Martinez 3-5-6 3-5-6			Wattenberg		Mar/09/2015		Extraction	D2IK-00836
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/09/2015	11:58:30	25	0.0	8.39	0.1	Start Job		
03/09/2015	11:58:51	25	0.0	8.39	0.1	Hr Behind on Pump		
03/09/2015	11:59:23	23	0.0	8.39	0.1	Fill Pump And Line		
03/09/2015	12:02:56	2237	4.4	8.39	4.4			
03/09/2015	12:04:25	27	0.0	8.39	4.8	Leak On Rigs Sweadge		
03/09/2015	12:07:57	27	0.0	8.39	4.8			
03/09/2015	12:12:58	618	1.1	8.39	5.2			
03/09/2015	12:15:17	331	0.0	8.39	10.3	Reset Total, Vol = 10.26 bbl		
03/09/2015	12:16:22	2955	0.0	8.39	10.3	Pressure Test Lines (Low)		
03/09/2015	12:17:59	4990	0.0	8.39	10.3			
03/09/2015	12:18:17	5019	0.0	8.39	10.3	Pressure Test Lines (High)		
03/09/2015	12:23:00	476	0.0	8.38	10.3			
03/09/2015	12:28:01	29	0.0	8.38	10.3			
03/09/2015	12:28:48	573	0.9	11.23	10.6	Start Pumping MUDPUSH EX		
03/09/2015	12:33:02	783	2.1	11.08	27.1			
03/09/2015	12:37:04	1250	3.3	11.08	38.1	End MUDPUSH EX		
03/09/2015	12:37:22	278	0.0	11.07	38.4	Reset Total, Vol = 28.14 bbl		
03/09/2015	12:38:03	204	0.0	11.08	38.5			
03/09/2015	12:43:04	350	0.0	11.08	38.5			
03/09/2015	12:44:04	2071	4.5	13.43	40.1	Start Cement Slurry		
03/09/2015	12:48:05	1883	4.5	13.48	56.3			
03/09/2015	12:50:21	535	2.1	13.49	62.2	Wet Dry Samples Taken		
03/09/2015	12:51:49	1930	5.1	13.52	66.5	Wet Sample Weighed Verified		
03/09/2015	12:53:06	1877	5.2	13.53	73.1			
03/09/2015	12:56:46	1509	5.2	13.58	92.0	Good Returns		
03/09/2015	12:58:07	1399	5.1	13.58	99.0			
03/09/2015	13:03:08	1258	5.2	13.57	125.0			
03/09/2015	13:08:09	1217	5.2	13.56	150.9			
03/09/2015	13:13:10	222	3.3	13.51	174.3			
03/09/2015	13:16:01	516	4.6	13.42	185.1	End Cement Slurry		
03/09/2015	13:17:14	38	0.0	0.24	189.1	Reset Total, Vol = 150.70 bbl		
03/09/2015	13:18:11	30	0.0	12.27	189.5			
03/09/2015	13:23:12	201	6.5	8.31	208.4			
03/09/2015	13:28:13	36	0.0	7.47	241.3			
03/09/2015	13:33:14	38	0.7	8.68	241.3			
03/09/2015	13:33:57	54	2.1	8.65	242.7	Wash Pump Lines		
03/09/2015	13:33:58	54	2.1	8.65	242.7	Reset Total, Vol = 53.27 bbl		
03/09/2015	13:34:00	53	2.1	8.66	242.8	Drop Top Plug		
03/09/2015	13:34:01	55	2.1	8.67	242.8	Start Displacement		
03/09/2015	13:38:15	167	5.2	8.38	255.5			
03/09/2015	13:43:16	1541	5.2	8.37	281.7			
03/09/2015	13:48:17	1859	5.2	8.45	307.9			
03/09/2015	13:53:03	1011	2.1	8.36	325.5	Slowed Rate to Go Though Liner tool		
03/09/2015	13:53:18	1011	2.1	8.36	326.0			
03/09/2015	13:58:19	2266	5.2	8.36	346.2			
03/09/2015	14:03:20	2257	5.2	8.37	372.4			
03/09/2015	14:04:22	2263	5.2	8.36	377.8	Good Returns		
03/09/2015	14:08:21	2264	5.2	8.37	398.6			
03/09/2015	14:13:22	2255	5.2	8.36	424.8			
03/09/2015	14:18:23	1138	2.1	8.36	439.4			
03/09/2015	14:21:22	1207	2.1	8.36	445.6	Good Returns		
03/09/2015	14:22:58	2101	0.0	8.34	447.0	Bump Top Plug		
03/09/2015	14:22:59	2141	0.0	8.34	447.0	End Displacement		
03/09/2015	14:23:05	2127	0.0	8.34	447.0	Reset Total, Vol = 197.28 bbl		

Well			Field		Job Start	Customer		Job Number
Martinez 3-5-6 3-5-6			Wattenberg		Mar/09/2015	Extraction		D2IK-00836
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
03/09/2015	14:28:25	53	0.0	8.34	447.0			
03/09/2015	14:33:26	51	0.0	8.34	447.0			
03/09/2015	14:36:01	51	0.0	8.34	447.0	Rig To Pressure Test Liner		
03/09/2015	14:38:27	51	0.0	8.34	447.0			
03/09/2015	14:43:28	53	0.0	8.34	447.0			
03/09/2015	14:48:29	53	0.0	8.35	447.0			
03/09/2015	14:53:30	53	0.0	8.35	447.0			
03/09/2015	14:58:31	53	0.0	8.35	447.0			
03/09/2015	15:03:32	53	0.0	8.35	447.0			
03/09/2015	15:08:33	759	0.0	8.35	447.5			
03/09/2015	15:10:58	53	0.0	8.35	447.5	Put 800 psi on it		
03/09/2015	15:13:34	53	0.0	8.35	447.5			
03/09/2015	15:14:31	53	0.0	8.35	447.5	Blead off		
03/09/2015	15:18:35	53	0.0	8.35	447.5			
03/09/2015	15:23:36	842	2.1	8.36	450.4			
03/09/2015	15:28:18	1658	6.4	8.42	468.6	Start Rev/Out		
03/09/2015	15:28:37	1689	6.4	8.42	470.6			
03/09/2015	15:33:38	2029	8.3	8.42	511.7			
03/09/2015	15:38:39	1825	8.3	8.42	553.7			
03/09/2015	15:40:40	1678	8.5	8.42	570.5	Cement to Surface @ 112 bbls Away		
03/09/2015	15:42:51	1551	8.3	8.43	588.8	Cleaned up @ 130 bbl Away		
03/09/2015	15:43:40	1560	8.3	8.42	595.6			
03/09/2015	15:46:59	63	0.0	7.50	604.0	Reset Total, Vol = 157.05 bbl		

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 4.2	N2	Mud 4.4	Maximum Rate 8.6	Total Slurry 149.7	Mud 28.1	Spacer 10.1	N2		
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 5060	Final 64	Average 667	Bump Plug to 2099	Breakdown	Type	Volume bbl	Density lb/gal		
Avg. N2 Percent %	Designed Slurry Volume 149.0 bbl	Displacement 197.8 bbl	Mix Water Temp 72 degF	Cement Circulated to Surface?			<input checked="" type="checkbox"/>	Volume 17.4 bbl	
				Washed Thru Perfs			<input type="checkbox"/>	To ft	
Customer or Authorized Representative Shawn Mcintire			Schlumberger Supervisor Wayne Silvester/Paul Kroeger			Circulation Lost <input type="checkbox"/>			
						Job Completed <input checked="" type="checkbox"/>			
						-			
						-			