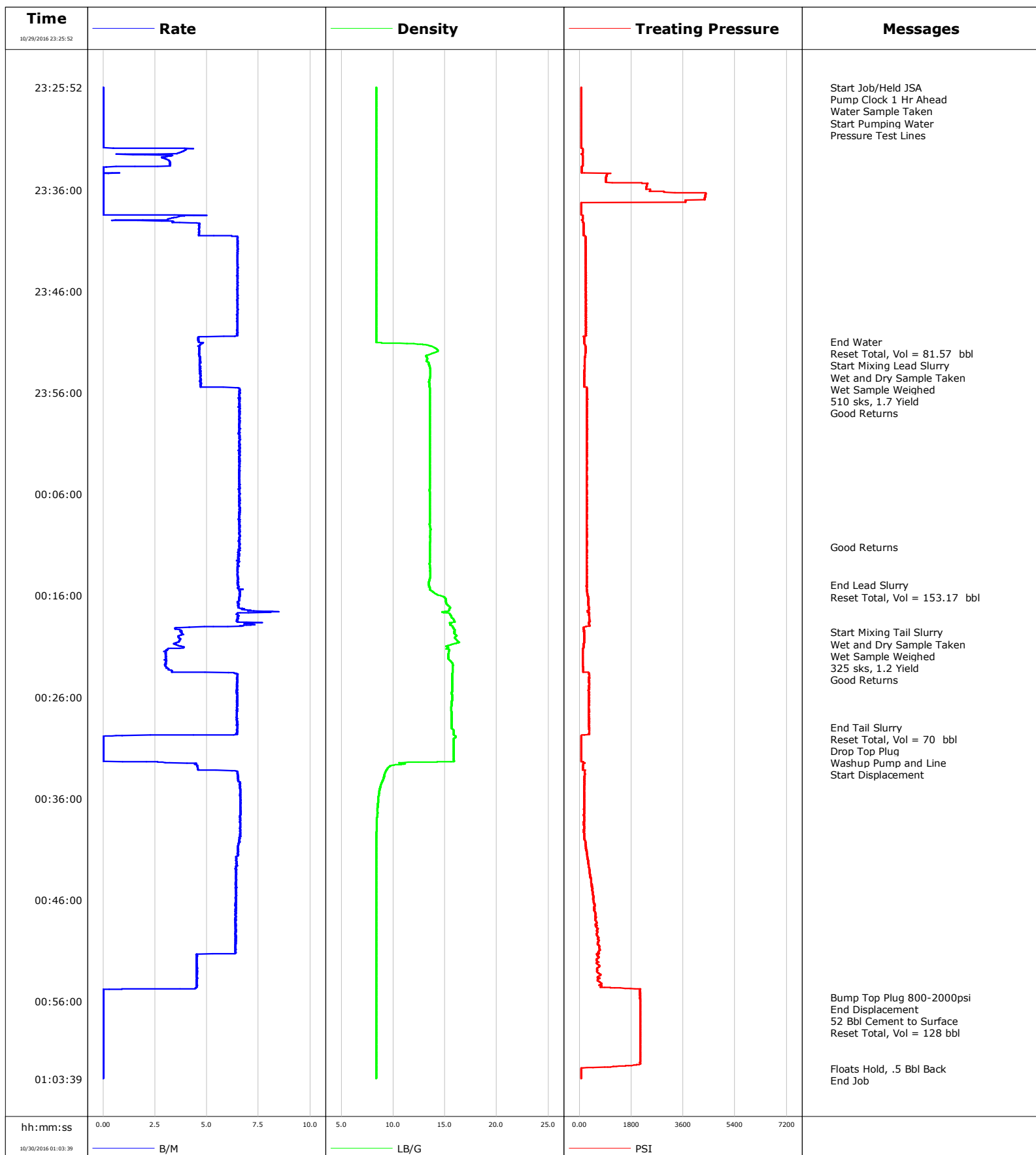


**Well** Woolley Becky 2A-7H-E168  
**Field** DJ  
**Engineer** Ryan Drilling/Robert Pippin  
**Country** United States

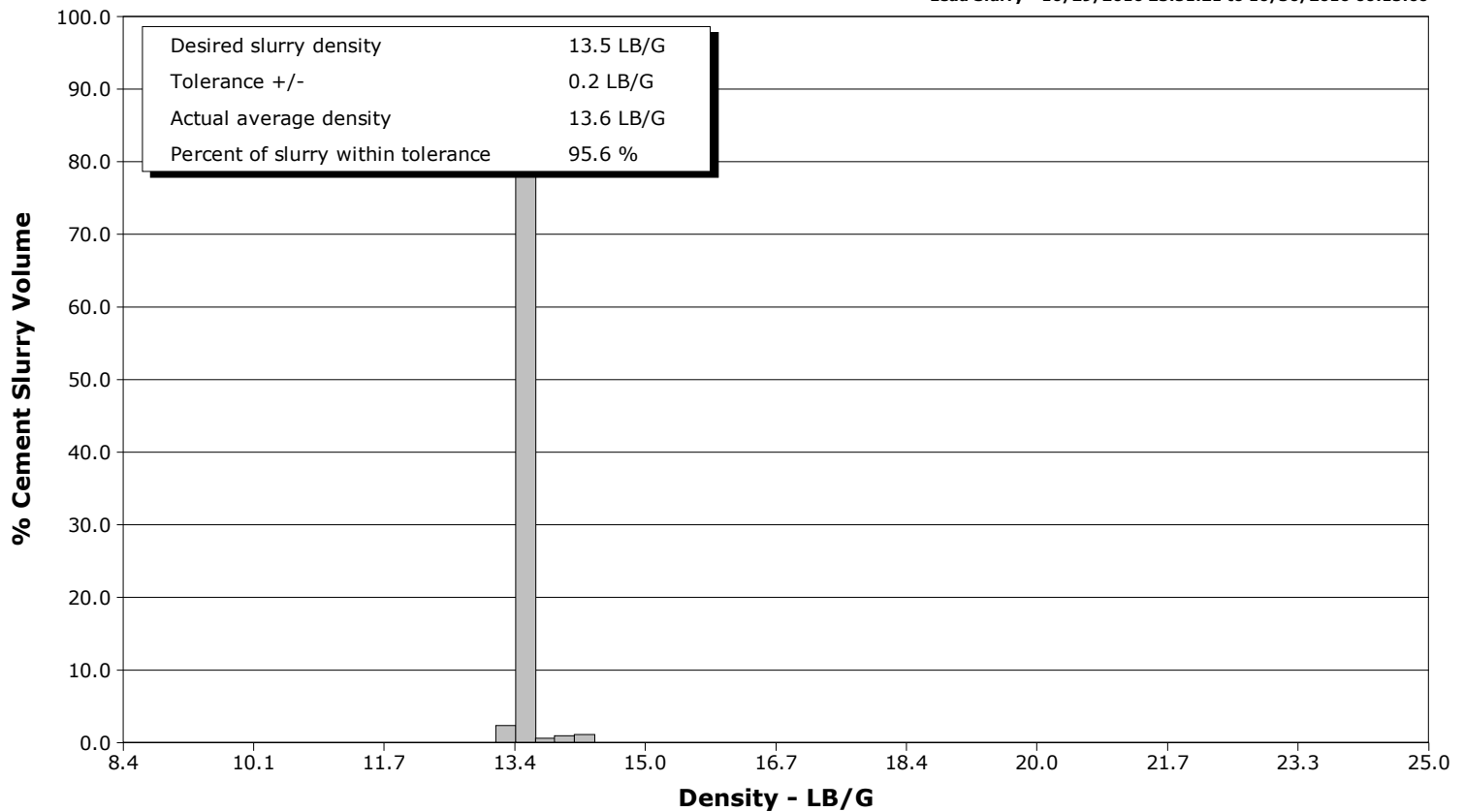
**Client** Crestone Peak Resources  
**SIR No.** DDGG-00478  
**Job Type** 9.63 Surface  
**Job Date** 10-29-2016



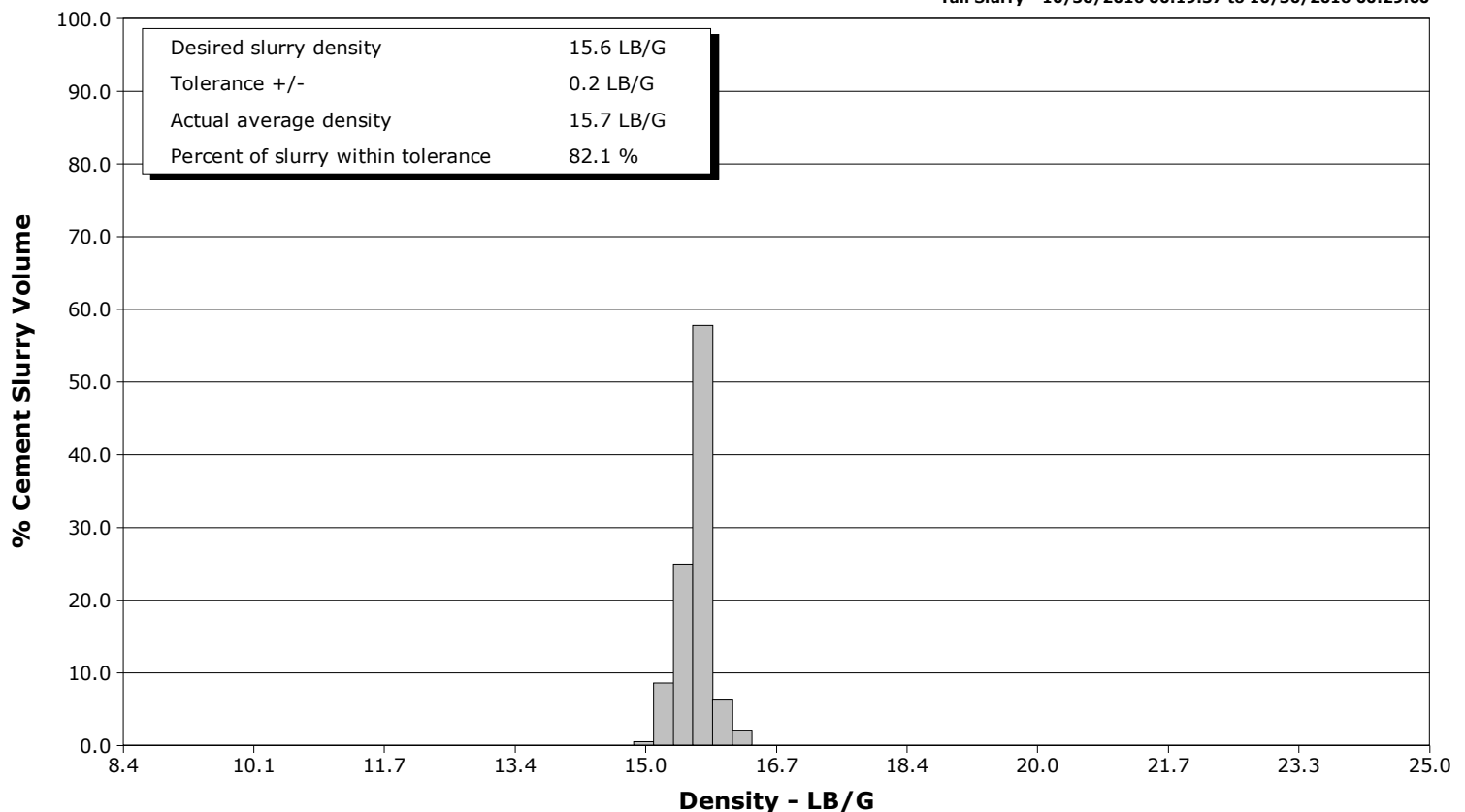
**Well** Woolley Becky 2A-7H-E168  
**Field** DJ  
**Engineer** Ryan Drilling/Robert Pippin  
**Country** United States

**Client** Crestone Peak Resources  
**SIR No.** DDGG-00478  
**Job Type** 9.63 Surface  
**Job Date** 10-29-2016

**Lead Slurry - 10/29/2016 23:51:21 to 10/30/2016 00:15:00**



**Tail Slurry - 10/30/2016 00:19:37 to 10/30/2016 00:29:00**



# Cementing Service Report

				Customer Crestone Peak Resources			Job Number DDGG-00478				
Well Woolley Becky 2A-7H-E168			Location (legal) CWY			Schlumberger Location CWY			Job Start Oct/29/2016		
Field DJ		Formation Name/Type		Deviation 0 deg		Bit Size 13.5 in		Well MD 1808.0 ft		Well TVD 1808.0 ft	
County Weld		State/Province Colorado		BHP psi		BHST 90 degF		BHCT 80 degF		Pore Press. Gradient lb/gal	
Well Master 631497836		API/UWI									
Rig Name Ensign 122		Drilled For Oil & Gas		Service Via Land		Casing/Liner					
						Depth, ft		Size, in		Weight, lb/ft	
Offshore Zone		Well Class New		Well Type Development		98.0		16.0		42.0	
						1808.0		9.6		40.0	
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe					
						T/D		Depth, ft		Size, in	
Service Line Cementing		Job Type 9.63 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	
						ft		ft			
						ft		ft			
						Treat Down Casing		Displacement 131.9 bbl		Packer Type	
										Packer Depth ft	
						Tubing Vol. bbl		Casing Vol. bbl		Annular Vol. 14.0 bbl	
										Openhole Vol. 147.0 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 800 psi				Shoe Type Guide				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 1808.0 ft				Tool Type			
No. Centralizers		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 Oct/29/2016 22:00		Arrived on Location Oct/29/2016 22:00		Leave Location Oct/30/2016 01:00		Collar Type Float				Tail Pipe Depth ft	
						Collar Depth 1757.0 ft				Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
10/29/2016	23:25:52	59	0.0	8.36	0.0	Started Acquisition					
10/29/2016	23:25:53	59	0.0	8.36	0.0	Pump Clock 1 Hr Ahead					
10/29/2016	23:25:54	59	0.0	8.36	0.0	Water Sample Taken					
10/29/2016	23:25:58	59	0.0	8.36	0.0	Start Pumping Water					
10/29/2016	23:26:01	59	0.0	8.36	0.0	Pressure Test Lines					
10/29/2016	23:26:52	56	0.0	8.36	0.0						
10/29/2016	23:27:52	56	0.0	8.36	0.0						
10/29/2016	23:28:52	56	0.0	8.36	0.0						
10/29/2016	23:29:52	56	0.0	8.36	0.0						
10/29/2016	23:30:52	56	0.0	8.36	0.0						
10/29/2016	23:31:52	56	0.0	8.36	0.0						
10/29/2016	23:32:52	114	2.9	8.36	3.2						
10/29/2016	23:33:52	75	0.0	8.36	5.9						
10/29/2016	23:34:52	923	0.0	8.36	5.9						
10/29/2016	23:35:52	2317	0.0	8.36	5.9						
10/29/2016	23:36:52	4352	0.0	8.36	5.9						
10/29/2016	23:37:52	60	0.0	8.36	5.9						
10/29/2016	23:38:52	110	3.2	8.36	7.2						
10/29/2016	23:39:52	146	4.6	8.36	11.1						
10/29/2016	23:40:52	215	6.5	8.36	16.3						
10/29/2016	23:41:52	215	6.5	8.36	22.8						

Well			Field		Job Start		Customer		Job Number	
Woolley Becky 2A-7H-E168			DJ		Oct/29/2016		Crestone Peak Resources		DDGG-00478	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/29/2016	23:43:52	225	6.5	8.36	35.8					
10/29/2016	23:44:52	227	6.5	8.36	42.2					
10/29/2016	23:45:52	220	6.5	8.36	48.7					
10/29/2016	23:46:52	219	6.5	8.36	55.2					
10/29/2016	23:47:52	216	6.5	8.36	61.7					
10/29/2016	23:48:52	222	6.5	8.36	68.1					
10/29/2016	23:49:52	218	6.5	8.36	74.6					
10/29/2016	23:50:52	163	4.6	8.36	80.3					
10/29/2016	23:50:58	156	4.6	8.36	80.8	End Water				
10/29/2016	23:51:07	160	4.8	9.66	81.5	Reset Total, Vol = 81.57 bbl				
10/29/2016	23:51:21	204	4.7	13.46	82.6	Start Mixing Lead Slurry				
10/29/2016	23:51:22	206	4.7	13.53	82.7	Wet and Dry Sample Taken				
10/29/2016	23:51:52	217	4.6	14.31	85.0					
10/29/2016	23:52:52	183	4.7	13.23	89.6					
10/29/2016	23:53:52	175	4.7	13.61	94.3					
10/29/2016	23:54:52	166	4.7	13.47	99.0					
10/29/2016	23:55:52	259	6.6	13.54	104.4					
10/29/2016	23:56:52	262	6.6	13.55	111.0					
10/29/2016	23:57:52	266	6.5	13.53	117.5					
10/29/2016	23:58:52	278	6.6	13.54	124.1					
10/29/2016	23:59:52	268	6.6	13.55	130.7					
10/30/2016	00:00:52	251	6.5	13.55	137.3					
10/30/2016	00:01:52	255	6.6	13.53	143.8					
10/30/2016	00:02:52	259	6.6	13.55	150.4					
10/30/2016	00:03:52	251	6.5	13.52	157.0					
10/30/2016	00:04:52	256	6.6	13.53	163.5					
10/30/2016	00:05:52	257	6.6	13.52	170.1					
10/30/2016	00:06:52	255	6.6	13.54	176.7					
10/30/2016	00:07:52	254	6.6	13.54	183.3					
10/30/2016	00:08:52	251	6.6	13.52	189.8					
10/30/2016	00:09:52	259	6.6	13.60	196.4					
10/30/2016	00:10:52	265	6.6	13.56	203.0					
10/30/2016	00:11:14	253	6.6	13.55	205.4	Good Returns				
10/30/2016	00:11:52	267	6.5	13.56	209.5					
10/30/2016	00:12:52	268	6.5	13.51	216.1					
10/30/2016	00:13:52	255	6.5	13.58	222.6					
10/30/2016	00:14:52	270	6.5	13.47	229.1					
10/30/2016	00:15:00	281	6.5	13.46	229.9	End Lead Slurry				
10/30/2016	00:15:43	275	6.6	13.92	234.6	Reset Total, Vol = 153.17 bbl				
10/30/2016	00:15:52	289	6.6	14.16	235.6					
10/30/2016	00:16:52	314	6.5	15.17	242.2					
10/30/2016	00:17:52	340	6.5	15.50	249.0					
10/30/2016	00:18:52	349	7.1	15.49	255.7					
10/30/2016	00:19:37	156	3.8	15.92	259.2	Start Mixing Tail Slurry				
10/30/2016	00:19:38	157	3.8	15.92	259.2	Wet and Dry Sample Taken				
10/30/2016	00:19:39	158	3.8	15.92	259.3	Wet Sample Weighed				
10/30/2016	00:19:52	159	3.8	16.07	260.1					
10/30/2016	00:20:52	150	3.5	15.57	263.8					
10/30/2016	00:21:52	112	3.0	15.32	267.1					
10/30/2016	00:22:52	119	3.0	15.77	270.1					
10/30/2016	00:23:52	338	6.5	15.71	274.1					
10/30/2016	00:24:52	325	6.5	15.71	280.6					
10/30/2016	00:25:52	321	6.5	15.68	287.0					
10/30/2016	00:26:52	327	6.5	15.65	293.5					

Well			Field	Job Start		Customer	Job Number
Woolley Becky 2A-7H-E168			DJ	Oct/29/2016		Crestone Peak Resources	DDGG-00478
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
10/30/2016	00:28:52	324	6.5	15.64	306.4		
10/30/2016	00:29:00	324	6.5	15.64	307.2	End Tail Slurry	
10/30/2016	00:29:46	167	4.4	15.84	312.2	Reset Total, Vol = 70 bbl	
10/30/2016	00:29:50	59	0.6	15.99	312.4	Drop Top Plug	
10/30/2016	00:29:51	59	0.4	16.01	312.4	Washup Pump and Line	
10/30/2016	00:29:52	59	0.3	16.03	312.4		
10/30/2016	00:30:44	55	0.0	15.84	312.4	Start Displacement	
10/30/2016	00:30:52	55	0.0	15.84	312.4		
10/30/2016	00:31:52	55	0.0	15.84	312.4		
10/30/2016	00:32:52	118	4.5	9.65	314.3		
10/30/2016	00:33:52	173	6.5	9.14	320.0		
10/30/2016	00:34:52	174	6.6	8.76	326.5		
10/30/2016	00:35:52	171	6.6	8.58	333.1		
10/30/2016	00:36:52	163	6.6	8.50	339.8		
10/30/2016	00:37:52	165	6.6	8.45	346.4		
10/30/2016	00:38:52	166	6.6	8.41	353.0		
10/30/2016	00:39:52	170	6.6	8.39	359.6		
10/30/2016	00:40:52	225	6.5	8.38	366.2		
10/30/2016	00:41:52	286	6.4	8.38	372.6		
10/30/2016	00:42:52	333	6.4	8.36	379.1		
10/30/2016	00:43:52	398	6.4	8.36	385.5		
10/30/2016	00:44:52	448	6.4	8.36	391.9		
10/30/2016	00:45:52	491	6.4	8.36	398.3		
10/30/2016	00:46:52	516	6.4	8.36	404.7		
10/30/2016	00:47:52	559	6.4	8.36	411.1		
10/30/2016	00:48:52	621	6.4	8.36	417.5		
10/30/2016	00:49:52	648	6.4	8.36	423.9		
10/30/2016	00:50:52	703	6.4	8.36	430.2		
10/30/2016	00:51:52	603	4.5	8.36	435.7		
10/30/2016	00:52:52	606	4.5	8.36	440.2		
10/30/2016	00:53:52	640	4.5	8.36	444.7		
10/30/2016	00:54:52	2101	0.0	8.37	449.1		
10/30/2016	00:55:37	2101	0.0	8.36	449.1	Bump Top Plug 800-2000psi	
10/30/2016	00:55:38	2105	0.0	8.36	449.1	End Displacement	
10/30/2016	00:55:40	2103	0.0	8.36	449.1	52 Bbl Cement to Surface	
10/30/2016	00:55:52	2104	0.0	8.36	449.1		
10/30/2016	00:56:52	2103	0.0	8.36	449.1		
10/30/2016	00:56:55	2103	0.0	8.36	449.1	Reset Total, Vol = 128 bbl	
10/30/2016	00:57:52	2103	0.0	8.36	449.1		
10/30/2016	00:58:52	2103	0.0	8.37	449.1		
10/30/2016	00:59:52	2104	0.0	8.36	449.1		
10/30/2016	01:00:52	2104	0.0	8.36	449.1		
10/30/2016	01:01:52	2105	0.0	8.36	449.1		
10/30/2016	01:02:40	56	0.0	8.37	449.1	Floats Hold, .5 Bbl Back	
10/30/2016	01:02:52	55	0.0	8.37	449.1		

<b>Well</b> Woolley Becky 2A-7H-E168	<b>Field</b> DJ	<b>Job Start</b> Oct/29/2016	<b>Customer</b> Crestone Peak Resources	<b>Job Number</b> DDGG-00478
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 5.9	N2	Mud	Maximum Rate 8.4		Total Slurry 221.0	Mud 0.0	Spacer 80.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 4398	Final 55	Average 466	Bump Plug to 2000	Breakdown	Type		Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 212.0 bbl		Displacement 128.0 bbl		Mix Water Temp 70 degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>	
								Volume 52.0 bbl	
								Washed Thru Perfs <input type="checkbox"/>	
								To ft	
Customer or Authorized Representative				Schlumberger Supervisor				Circulation Lost <input type="checkbox"/>	
				Ryan Drilling/Robert Pippin				Job Completed <input checked="" type="checkbox"/>	
								-	