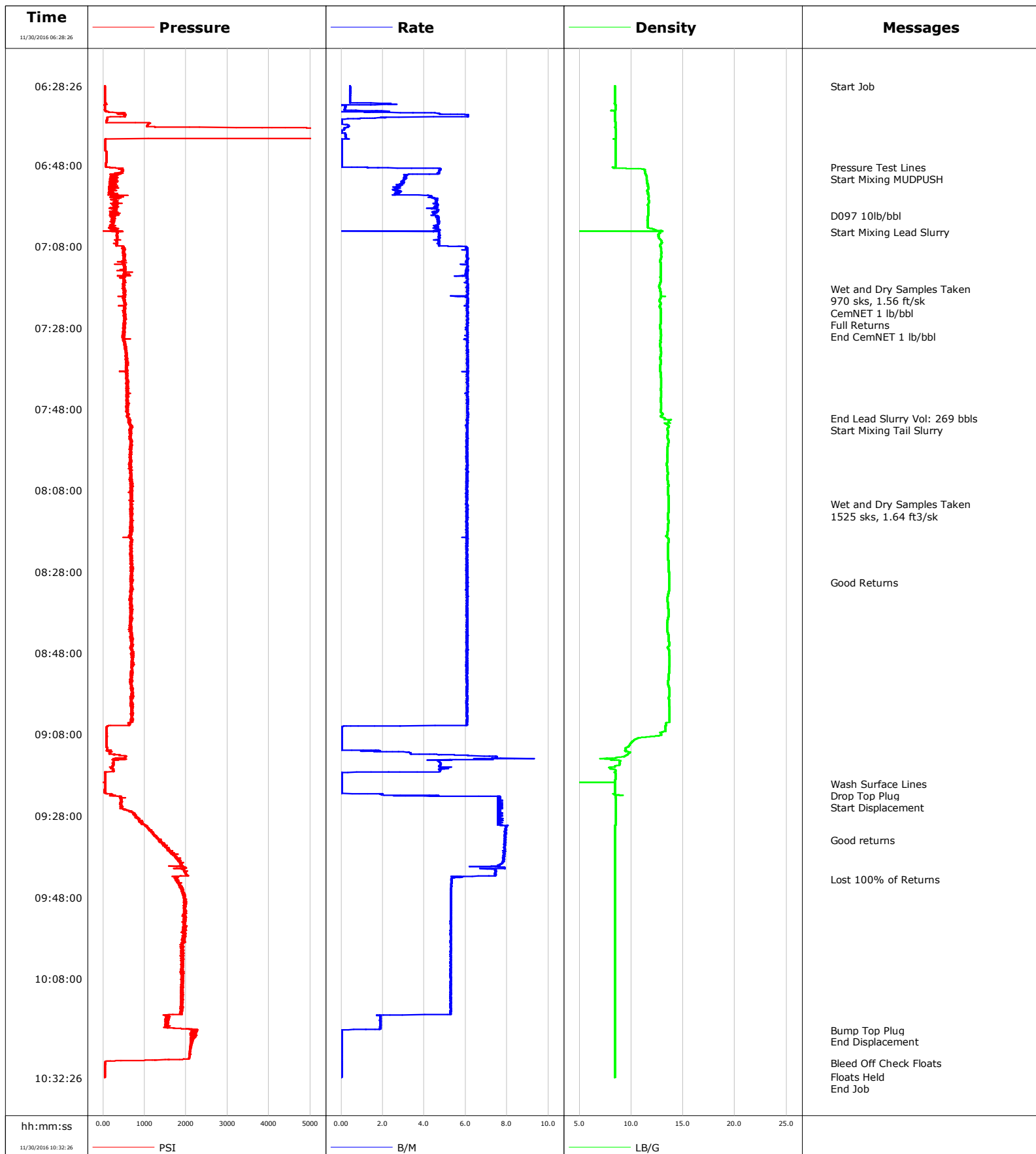


**Well** WOOLLEY BECKY 2A-7H-E168  
**Field** Wattenberg  
**Engineer** Billy Barg  
**Country** United States

**Client** CRESTONE PEAK RESOURCES OPERAT  
**SIR No.** DDGG-00662  
**Job Type** Production  
**Job Date** 11-29-2016



# Cementing Service Report

				<b>Customer</b> CRESTONE PEAK RESOURCES OPERAT				<b>Job Number</b> DDGG-00662									
<b>Well</b> WOOLLEY BECKY 2A-7H-E168 0631497836			<b>Location (legal)</b>			<b>Schlumberger Location</b> Cheyenne, WY			<b>Job Start</b> Nov/29/2016								
<b>Field</b> Wattenberg		<b>Formation Name/Type</b>			<b>Deviation</b> deg		<b>Bit Size</b> 8.8 in		<b>Well MD</b> 14830.0 ft		<b>Well TVD</b> 7653.1 ft						
<b>County</b>		<b>State/Province</b> Colorado			<b>BHP</b> psi		<b>BHST</b> 240 degF		<b>BHCT</b> 220 degF		<b>Pore Press. Gradient</b> lb/gal						
<b>Well Master</b> 0631497836		<b>API/UWI</b> 4937774															
<b>Rig Name</b> Ensign 140		<b>Drilled For</b> Oil		<b>Service Via</b> Land		<b>Casing/ Liner</b>											
						<b>Depth, ft</b>		<b>Size, in</b>		<b>Weight, lb/ft</b>		<b>Grade</b>		<b>Thread</b>			
<b>Offshore Zone</b>		<b>Well Class</b> New		<b>Well Type</b> Exploration		1798.0		9.6		40.0		J55		LTC			
						14816.0		5.5		20.0		C-90		LTC			
<b>Drilling Fluid Type</b>		<b>Max. Density</b> lb/gal		<b>Plastic Viscosity</b> cP		<b>Tubing/Drill Pipe</b>											
						<b>T/D</b>		<b>Depth, ft</b>		<b>Size, in</b>		<b>Weight, lb/ft</b>		<b>Grade</b>		<b>Thread</b>	
<b>Service Line</b> Cementing		<b>Job Type</b> Production															
<b>Max. Allowed Tub. Press</b> psi		<b>Max. Allowed Ann. Press</b> psi		<b>WH Connection</b> Topsco Rotating Head		<b>Perforations/Open Hole</b>											
						<b>Top, ft</b>		<b>Bottom, ft</b>		<b>shot/ft</b>		<b>No. of Shots</b>		<b>Total Interval</b>			
<b>Service Instructions</b> Provide cement and services for production cement treatment. TD = 14830' Est. Top of tail = 6500' Est. Top of lead = 0' 8.75" open hole, 15% excess						ft		ft								<b>Diameter</b> in	
						ft		ft									
						ft		ft									
		<b>Treat Down</b> Casing		<b>Displacement</b> 327.0 bbl		<b>Packer Type</b>		<b>Packer Depth</b> ft									
		<b>Tubing Vol.</b> bbl		<b>Casing Vol.</b> 329.0 bbl		<b>Annular Vol.</b> 669.2 bbl		<b>Openhole Vol.</b> bbl									
<b>Casing/Tubing Secured</b> <input checked="" type="checkbox"/>		<b>1 Hole Vol. Circulated prior to Cement</b> <input checked="" type="checkbox"/>				<b>Casing Tools</b>				<b>Squeeze Job</b>							
<b>Lift Pressure</b> 12472 psi						<b>Shoe Type</b> Float				<b>Squeeze Type</b>							
<b>Pipe Rotated</b> <input checked="" type="checkbox"/>		<b>Pipe Reciprocated</b> <input type="checkbox"/>				<b>Shoe Depth</b> 14816.0 ft				<b>Tool Type</b>							
<b>No. Centralizers</b>		<b>Top Plugs</b> 1		<b>Bottom Plugs</b>		<b>Stage Tool Type</b>				<b>Tool Depth</b> ft							
<b>Cement Head Type</b> TOPSCO						<b>Stage Tool Depth</b> ft				<b>Tail Pipe Size</b> in							
<b>Job Scheduled For</b> Nov/29/2016 17:00		<b>Arrived on Location</b> Nov/29/2016 17:00		<b>Leave Location</b> Nov/30/2016 12:00		<b>Collar Type</b> 14761				<b>Tail Pipe Depth</b> ft							
						<b>Collar Depth</b> ft				<b>Sqz. Total Vol.</b> bbl							
<b>Date</b>	<b>Time 24-hr clock</b>	<b>Treating Pressure PSI</b>	<b>Flow Rate B/M</b>	<b>Density LB/G</b>	<b>Volume BBL</b>	<b>Message</b>											
11/30/2016	06:28:26	40	0.4	8.43	9.3	Started Acquisition											
11/30/2016	06:28:30	39	0.4	8.43	9.3	Start Job											
11/30/2016	06:30:06	40	0.4	8.43	10.0												
11/30/2016	06:31:46	39	0.4	8.43	10.7												
11/30/2016	06:33:26	39	0.2	8.49	12.1												
11/30/2016	06:35:06	481	4.5	8.42	0.9												
11/30/2016	06:36:46	97	0.0	8.42	7.4												
11/30/2016	06:38:26	1057	0.3	8.45	7.6												
11/30/2016	06:40:06	5206	0.2	8.50	7.7												
11/30/2016	06:41:46	55	0.0	8.47	8.0												
11/30/2016	06:43:26	52	0.0	8.47	8.0												
11/30/2016	06:45:06	77	0.0	8.47	0.0												
11/30/2016	06:46:46	73	0.0	8.48	0.0												
11/30/2016	06:48:26	98	0.0	8.46	0.0												
11/30/2016	06:48:27	98	0.5	8.45	0.0	Pressure Test Lines											
11/30/2016	06:48:40	373	3.4	8.37	0.3	Start Mixing MUDPUSH											
11/30/2016	06:50:06	413	4.7	11.36	7.0												
11/30/2016	06:51:46	174	3.0	11.51	12.2												
11/30/2016	06:53:26	139	2.6	11.62	17.0												
11/30/2016	06:55:06	133	2.6	11.61	21.5												
11/30/2016	06:56:46	285	4.6	11.72	28.5												

Well			Field		Job Start	Customer	Job Number
WOOLLEY BECKY 2A-7H-E168 0631497836			Wattenberg		Nov/29/2016	CRESTONE PEAK RESOURCES OPERAT	DDGG-00662
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/30/2016	07:00:06	169	4.5	11.62	43.7		
11/30/2016	07:00:25	259	4.6	11.61	45.2	D097 10lb/bbl	
11/30/2016	07:01:46	226	4.7	11.57	51.5		
11/30/2016	07:03:26	165	4.5	11.65	59.2		
11/30/2016	07:04:22	337	4.7	12.72	63.5	Start Mixing Lead Slurry	
11/30/2016	07:05:06	332	4.7	12.60	66.9		
11/30/2016	07:06:46	318	4.7	12.93	74.8		
11/30/2016	07:08:26	514	6.1	12.88	83.3		
11/30/2016	07:10:06	537	6.1	12.87	93.5		
11/30/2016	07:11:46	350	6.1	12.79	103.6		
11/30/2016	07:13:26	544	6.1	12.84	113.7		
11/30/2016	07:15:06	656	6.1	12.81	123.8		
11/30/2016	07:16:46	482	6.1	12.81	133.9		
11/30/2016	07:18:24	490	6.1	12.76	143.8	Wet and Dry Samples Taken	
11/30/2016	07:18:26	500	6.1	12.76	144.0		
11/30/2016	07:18:40	491	6.1	12.78	145.4	970 sks, 1.56 ft/sk	
11/30/2016	07:18:49	501	6.1	12.79	146.4	CemNET 1 lb/bbl	
11/30/2016	07:20:06	500	6.1	12.83	154.2		
11/30/2016	07:21:46	518	6.1	12.80	164.3		
11/30/2016	07:23:26	512	6.1	12.83	174.4		
11/30/2016	07:23:47	473	6.1	12.84	176.5	Full Returns	
11/30/2016	07:25:06	526	6.0	12.83	184.5		
11/30/2016	07:26:46	498	6.1	12.80	194.7		
11/30/2016	07:28:26	531	6.1	12.80	204.8		
11/30/2016	07:29:27	493	6.1	12.84	211.0	End CemNET 1 lb/bbl	
11/30/2016	07:30:06	512	6.1	12.84	214.9		
11/30/2016	07:31:46	528	6.1	12.80	225.0		
11/30/2016	07:33:26	534	6.1	12.84	235.2		
11/30/2016	07:35:06	554	6.1	12.80	245.3		
11/30/2016	07:36:46	565	6.1	12.82	255.5		
11/30/2016	07:38:26	557	6.1	12.78	265.6		
11/30/2016	07:40:06	554	6.1	12.84	275.8		
11/30/2016	07:41:46	555	6.1	12.88	285.9		
11/30/2016	07:43:26	605	6.1	12.85	296.1		
11/30/2016	07:45:06	575	6.1	12.85	306.2		
11/30/2016	07:46:46	600	6.1	12.86	316.3		
11/30/2016	07:48:26	579	6.1	12.84	326.5		
11/30/2016	07:50:06	597	6.1	13.13	336.6		
11/30/2016	07:50:12	622	6.1	13.22	337.2	End Lead Slurry Vol: 269 bbls	
11/30/2016	07:50:25	657	6.1	13.25	338.6	Start Mixing Tail Slurry	
11/30/2016	07:51:46	632	6.1	13.46	346.8		
11/30/2016	07:53:26	682	6.1	13.55	356.9		
11/30/2016	07:55:06	653	6.1	13.50	367.0		
11/30/2016	07:56:46	674	6.1	13.55	377.1		
11/30/2016	07:58:26	652	6.1	13.49	387.2		
11/30/2016	08:00:06	676	6.1	13.47	397.3		
11/30/2016	08:01:46	642	6.1	13.42	407.4		
11/30/2016	08:03:26	664	6.1	13.51	417.6		
11/30/2016	08:05:06	686	6.1	13.49	427.7		
11/30/2016	08:06:46	678	6.1	13.57	437.8		
11/30/2016	08:08:26	617	6.1	13.54	447.9		
11/30/2016	08:10:06	667	6.1	13.58	458.0		
11/30/2016	08:11:24	718	6.0	13.57	465.8	Wet and Dry Samples Taken	
11/30/2016	08:11:46	677	6.1	13.57	468.0	1525 sks, 1.64 ft3/sk	

Well			Field		Job Start	Customer	Job Number
WOOLLEY BECKY 2A-7H-E168 0631497836			Wattenberg		Nov/29/2016	CRESTONE PEAK RESOURCES OPERAT	DDGG-00662
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/30/2016	08:15:06	673	6.1	13.56	488.3		
11/30/2016	08:16:46	652	6.1	13.56	498.3		
11/30/2016	08:18:26	672	6.1	13.50	508.5		
11/30/2016	08:20:06	712	6.1	13.61	518.6		
11/30/2016	08:21:46	665	6.1	13.54	528.7		
11/30/2016	08:23:26	645	6.1	13.52	538.8		
11/30/2016	08:25:06	676	6.0	13.56	548.9		
11/30/2016	08:26:46	693	6.1	13.61	559.0		
11/30/2016	08:28:26	706	6.1	13.61	569.1		
11/30/2016	08:30:06	693	6.1	13.62	579.2		
11/30/2016	08:30:37	681	6.1	13.62	582.3	Good Returns	
11/30/2016	08:31:46	690	6.1	13.64	589.3		
11/30/2016	08:33:26	666	6.1	13.56	599.4		
11/30/2016	08:35:06	675	6.1	13.51	609.5		
11/30/2016	08:36:46	642	6.1	13.55	619.6		
11/30/2016	08:38:26	674	6.1	13.59	629.7		
11/30/2016	08:40:06	690	6.1	13.50	639.9		
11/30/2016	08:41:46	671	6.1	13.46	650.0		
11/30/2016	08:43:26	661	6.1	13.57	660.1		
11/30/2016	08:45:06	668	6.1	13.60	670.2		
11/30/2016	08:46:46	651	6.1	13.54	680.3		
11/30/2016	08:48:26	706	6.1	13.66	690.4		
11/30/2016	08:50:06	695	6.1	13.67	700.5		
11/30/2016	08:51:46	708	6.1	13.64	710.6		
11/30/2016	08:53:26	709	6.1	13.59	720.7		
11/30/2016	08:55:06	706	6.1	13.55	730.8		
11/30/2016	08:56:46	677	6.1	13.65	740.9		
11/30/2016	08:58:26	675	6.1	13.68	751.0		
11/30/2016	09:00:06	708	6.1	13.63	761.2		
11/30/2016	09:01:46	689	6.1	13.67	771.3		
11/30/2016	09:03:26	714	6.1	13.68	781.4		
11/30/2016	09:05:06	649	6.1	13.41	791.5		
11/30/2016	09:06:46	74	0.0	13.28	796.2		
11/30/2016	09:08:26	84	0.0	12.28	796.2		
11/30/2016	09:10:06	78	0.0	9.98	796.2		
11/30/2016	09:11:46	106	0.0	9.42	796.2		
11/30/2016	09:13:26	555	7.5	9.32	802.1		
11/30/2016	09:15:06	260	4.8	8.88	812.1		
11/30/2016	09:16:46	231	4.8	8.45	820.1		
11/30/2016	09:18:26	49	0.0	8.45	822.4		
11/30/2016	09:20:04	50	0.0	8.44	822.4	Wash Surface Lines	
11/30/2016	09:20:06	49	0.0	8.44	822.4		
11/30/2016	09:21:46	50	0.0	8.43	822.4		
11/30/2016	09:22:55	226	2.1	8.89	823.1	Drop Top Plug	
11/30/2016	09:23:03	278	4.7	8.48	823.7	Start Displacement	
11/30/2016	09:23:26	407	7.7	8.49	826.1		
11/30/2016	09:25:06	441	7.7	8.52	838.8		
11/30/2016	09:26:46	582	7.7	8.51	851.5		
11/30/2016	09:28:26	806	7.7	8.51	864.2		
11/30/2016	09:30:06	932	7.7	8.51	876.9		
11/30/2016	09:31:46	1171	7.9	8.43	890.1		
11/30/2016	09:33:26	1324	7.9	8.43	903.3		
11/30/2016	09:33:56	1345	7.9	8.43	907.2	Good returns	
11/30/2016	09:35:06	1438	7.9	8.43	916.4		

Well			Field		Job Start	Customer	Job Number
WOOLLEY BECKY 2A-7H-E168 0631497836			Wattenberg		Nov/29/2016	CRESTONE PEAK RESOURCES OPERAT	DDGG-00662
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/30/2016	09:38:26	1750	7.8	8.43	942.6		
11/30/2016	09:40:06	1898	7.6	8.43	955.6		
11/30/2016	09:41:46	1971	7.4	8.43	968.1		
11/30/2016	09:43:26	1732	5.3	8.43	979.5		
11/30/2016	09:43:36	1784	5.3	8.43	980.3	Lost 100% of Returns	
11/30/2016	09:45:06	1844	5.3	8.43	988.3		
11/30/2016	09:46:46	1934	5.3	8.43	997.2		
11/30/2016	09:48:26	1974	5.3	8.43	1006.0		
11/30/2016	09:50:06	1937	5.3	8.43	1014.8		
11/30/2016	09:51:46	1976	5.3	8.43	1023.6		
11/30/2016	09:53:26	1948	5.3	8.43	1032.4		
11/30/2016	09:55:06	1980	5.3	8.43	1041.2		
11/30/2016	09:56:46	1966	5.3	8.43	1050.0		
11/30/2016	09:58:26	1891	5.3	8.43	1058.8		
11/30/2016	10:00:06	1901	5.3	8.43	1067.6		
11/30/2016	10:01:46	1946	5.3	8.43	1076.4		
11/30/2016	10:03:26	1930	5.3	8.43	1085.2		
11/30/2016	10:05:06	1923	5.3	8.43	1094.0		
11/30/2016	10:06:46	1921	5.3	8.43	1102.8		
11/30/2016	10:08:26	1903	5.3	8.43	1111.6		
11/30/2016	10:10:06	1886	5.3	8.43	1120.3		
11/30/2016	10:11:46	1913	5.3	8.43	1129.1		
11/30/2016	10:13:26	1908	5.3	8.43	1137.9		
11/30/2016	10:15:06	1875	5.3	8.43	1146.7		
11/30/2016	10:16:46	1875	5.3	8.43	1155.5		
11/30/2016	10:18:26	1517	1.9	8.42	1159.3		
11/30/2016	10:20:06	1469	1.9	8.42	1162.5		
11/30/2016	10:20:38	2289	0.3	8.42	1163.4	Bump Top Plug	
11/30/2016	10:20:39	2269	0.2	8.42	1163.4	End Displacement	
11/30/2016	10:21:46	2228	0.0	8.42	1163.4		
11/30/2016	10:23:26	2158	0.0	8.43	1163.4		
11/30/2016	10:25:06	2119	0.0	8.43	1163.4		
11/30/2016	10:26:46	2083	0.0	8.43	1163.4		
11/30/2016	10:28:26	58	0.0	8.42	1163.4		
11/30/2016	10:28:47	50	0.0	8.42	1163.4	Bleed Off Check Floats	
11/30/2016	10:30:06	47	0.0	8.42	1163.4		
11/30/2016	10:31:46	45	0.0	8.42	1163.4		
11/30/2016	10:32:13	45	0.0	8.42	1163.4	Floats Held	

<b>Well</b> WOOLLEY BECKY 2A-7H-E168 0631497836	<b>Field</b> Wattenberg	<b>Job Start</b> Nov/29/2016	<b>Customer</b> CRESTONE PEAK RESOURCES OPERAT	<b>Job Number</b> DDGG-00662
----------------------------------------------------	----------------------------	---------------------------------	---------------------------------------------------	---------------------------------

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.5	N2	Mud	Maximum Rate 9.3		Total Slurry 714.0	Mud 0.0	Spacer 60.0	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 5286	Final 45	Average 862	Bump Plug to	Breakdown	Type	Volume bbl		Density lb/gal
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 327.0 bbl	Mix Water Temp 58 degF	Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl		
				Washed Thru Perfs <input type="checkbox"/>		To ft		
Customer or Authorized Representative Ricky Wadley			Schlumberger Supervisor Billy Barg			Circulation Lost <input checked="" type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
						-		-