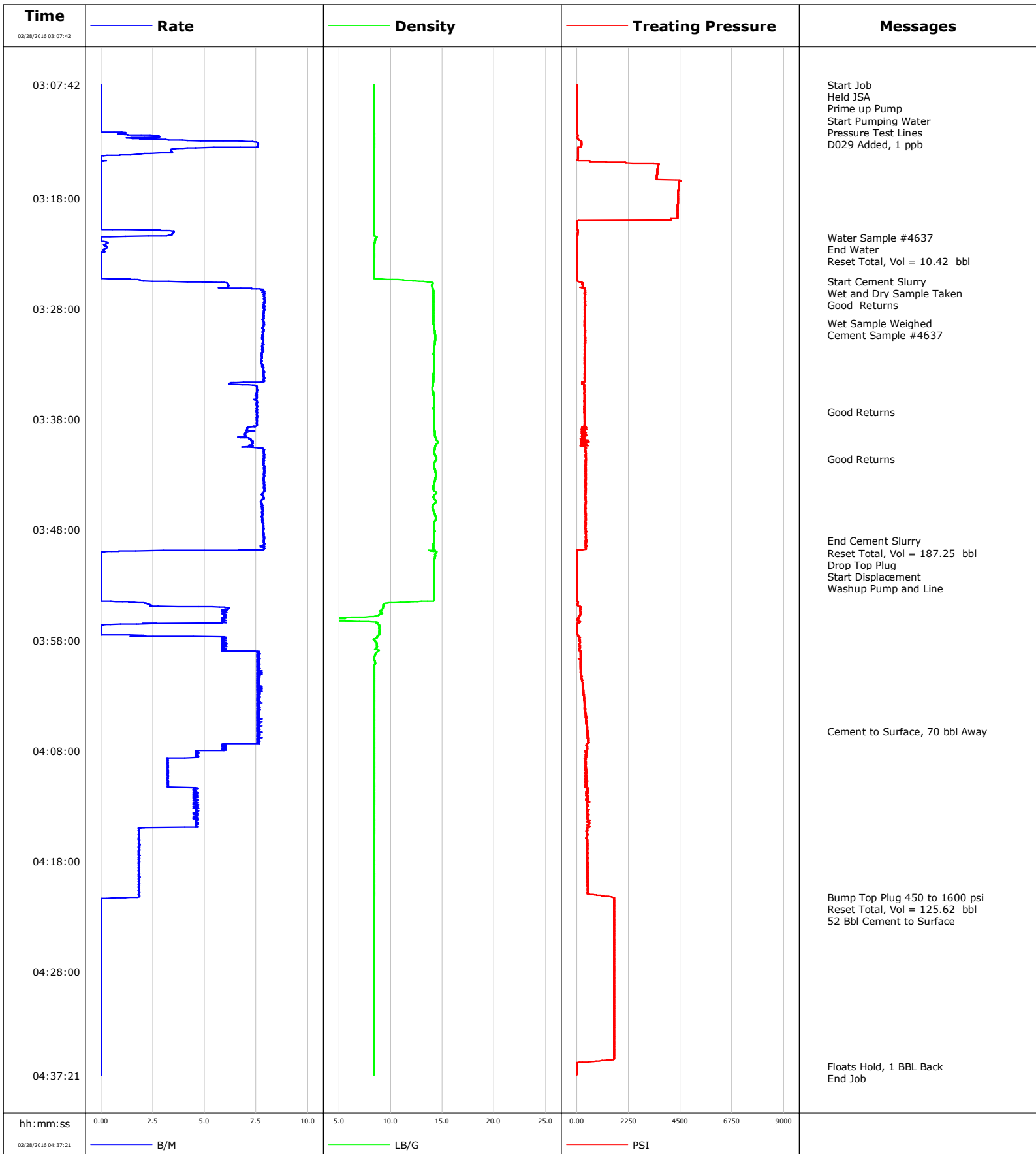


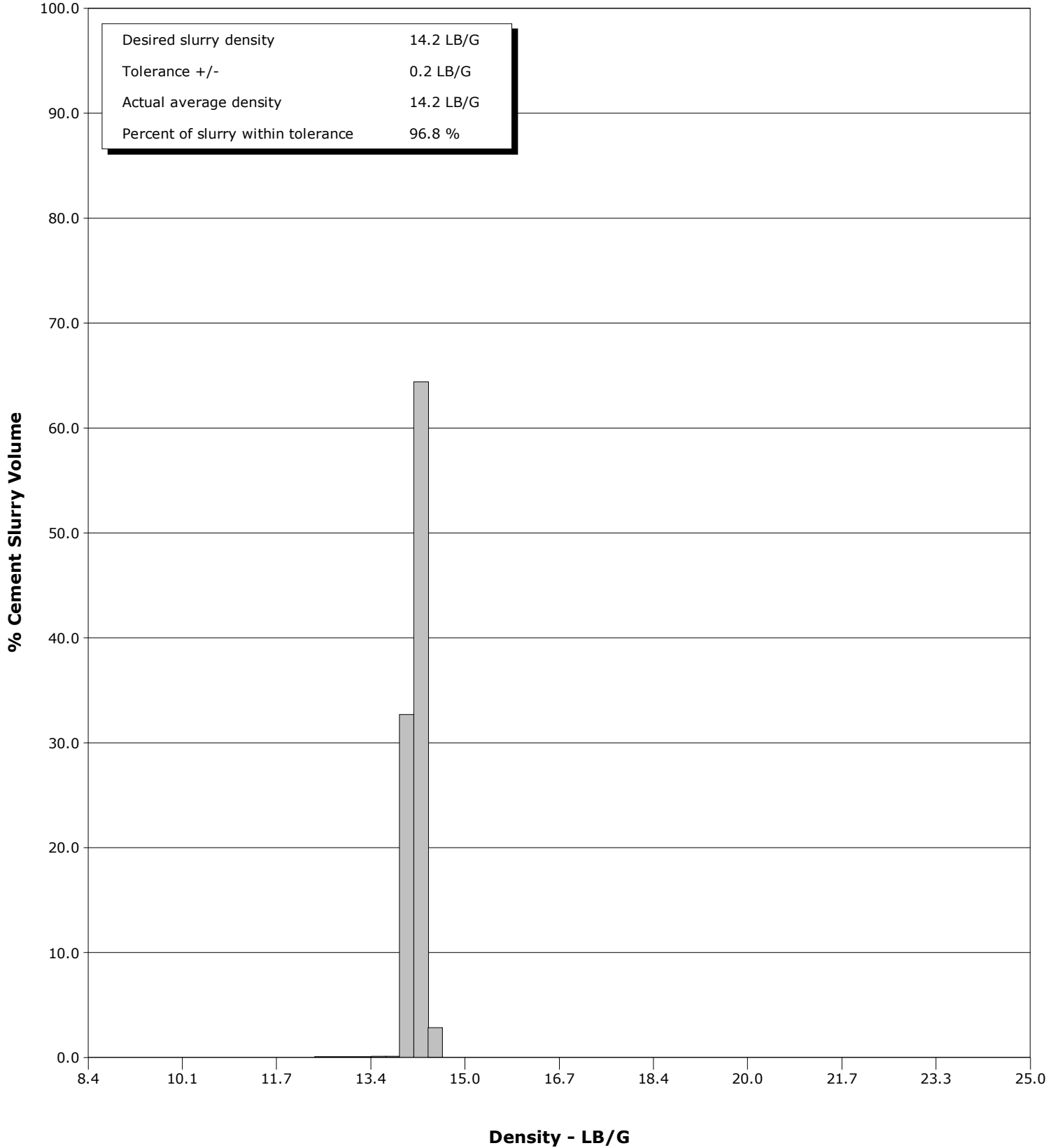
<b>Well</b>	State Antelope O34-21-16XRLNB	<b>Client</b>	Bonanza Creek
<b>Field</b>	DJ Basin	<b>SIR No.</b>	DKFJ-00013
<b>Engineer</b>	Ryan Drilling/Justin Storey/Glenn Mendez	<b>Job Type</b>	surface
<b>Country</b>	United States	<b>Job Date</b>	02-28-2016



**Well** State Antelope O34-21-16XRLNB  
**Field** DJ Basin  
**Engineer** Ryan Drilling/Justin Storey/Glenn Mendez  
**Country** United States

**Client** Bonanza Creek  
**SIR No.** DKFJ-00013  
**Job Type** surface  
**Job Date** 02-28-2016

Cement Slurry - 02/28/2016 03:25:30 to 02/28/2016 03:48:58



				Customer			Job Number		
				Bonanza Creek			DKFJ-00013		
Well		Location (legal)			Schlumberger Location			Job Start	
State Antelope O34-21-16XRLNB		CWY			Cheyenne			Feb/28/2016	
Field		Formation Name/Type		Deviation	Bit Size	Well MD		Well TVD	
DJ Basin				0 deg	13.5 in	1634.0 ft		1634.0 ft	
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient	
		Colorado			459 psi	110 degF	83 degF	lb/gal	
Well Master		API/UWI							
05123426970000									
Rig Name	Drilled For	Service Via		Casing/Liner					
X22	Oil & Gas	Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type		1634.0	9.6	36.0	155	LTC	
	New	Development		0.0	0.0	0.0			
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe				
Bentonite		8.40 lb/gal	5.000 cP		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade
Service Line	Job Type								
Cementing	surface								
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole					
4500 psi	psi	9 5/8		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
<b>Service Instructions</b> 9 5/8" Casing Set at 1600 ft 13.5" OH, 30% Excess Top of 14.2ppg Slurry: Surface				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
				Treat Down	Displacement	Packer Type	Packer Depth		
Casing	122.4 bbl		ft						
Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.						
bbl	125.8 bbl	bbl	141.5 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		Shoe Type			Shoe Depth		Squeeze Type		
450 psi		Guide			1625.0 ft				
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Stage Tool Type			Tool Depth		
							ft		
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Depth			Tail Pipe Size		
		1	1	ft			in		
Cement Head Type		Job Scheduled For			Collar Type		Tail Pipe Depth		
Single		Feb/28/2016 00:00		Float		ft			
Arrived on Location		Leave Location		Collar Depth			Sqz. Total Vol.		
Feb/28/2016 00:00		Feb/28/2016 06:00		1582.9 ft			bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2016	03:07:42	1	0.0	8.39	0.0	Started Acquisition			
02/28/2016	03:07:43	1	0.0	8.39	0.0	Held JSA			
02/28/2016	03:07:50	1	0.0	8.39	0.0	Prime up Pump			
02/28/2016	03:07:59	1	0.0	8.39	0.0	Start Pumping Water			
02/28/2016	03:08:12	1	0.0	8.39	0.0				
02/28/2016	03:08:14	1	0.0	8.39	0.0	Pressure Test Lines			
02/28/2016	03:08:16	1	0.0	8.39	0.0	D029 Added, 1 ppb			
02/28/2016	03:08:42	0	0.0	8.40	0.0				
02/28/2016	03:09:12	0	0.0	8.39	0.0				
02/28/2016	03:09:42	1	0.0	8.39	0.0				
02/28/2016	03:10:12	1	0.0	8.39	0.0				
02/28/2016	03:10:42	1	0.0	8.39	0.0				
02/28/2016	03:11:12	1	0.0	8.39	0.0				
02/28/2016	03:11:42	0	0.0	8.39	0.0				
02/28/2016	03:12:12	8	0.8	8.42	0.2				
02/28/2016	03:12:42	90	3.1	8.41	1.2				
02/28/2016	03:13:12	203	7.6	8.40	4.6				
02/28/2016	03:13:42	51	3.4	8.39	7.2				
02/28/2016	03:14:12	56	0.0	8.39	8.3				
02/28/2016	03:14:42	1312	0.0	8.39	8.3				
02/28/2016	03:15:12	3520	0.0	8.39	8.3				

Well		Field	Job Start	Customer	Job Number	
State Antelope O34-21-16XRLNB O34-21-16XRLNB		DJ Basin	Feb/28/2016	Bonanza Creek	DKFJ-00013	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
02/28/2016	03:16:12	3481	0.0	8.39	8.3	
02/28/2016	03:16:42	4428	0.0	8.39	8.3	
02/28/2016	03:17:12	4415	0.0	8.39	8.3	
02/28/2016	03:17:42	4405	0.0	8.39	8.3	
02/28/2016	03:18:12	4398	0.0	8.39	8.3	
02/28/2016	03:18:42	4391	0.0	8.39	8.3	
02/28/2016	03:19:12	4384	0.0	8.39	8.3	
02/28/2016	03:19:42	4377	0.0	8.39	8.3	
02/28/2016	03:20:12	4	0.0	8.39	8.3	
02/28/2016	03:20:42	-5	0.0	8.39	8.3	
02/28/2016	03:21:12	41	3.5	8.39	9.5	
02/28/2016	03:21:34	-3	0.0	8.63	10.3	Water Sample #4637
02/28/2016	03:21:42	-2	0.0	8.52	10.3	
02/28/2016	03:21:59	-5	0.3	8.46	10.4	End Water
02/28/2016	03:22:04	-5	0.3	8.44	10.4	Reset Total, Vol = 10.42 bbl
02/28/2016	03:22:12	-5	0.1	8.42	10.4	
02/28/2016	03:22:42	-6	0.1	8.40	10.5	
02/28/2016	03:23:12	-10	0.0	8.40	10.5	
02/28/2016	03:23:42	-12	0.0	8.39	10.5	
02/28/2016	03:24:12	-13	0.0	8.39	10.5	
02/28/2016	03:24:42	-13	0.0	8.39	10.5	
02/28/2016	03:25:12	-6	0.0	8.39	10.5	
02/28/2016	03:25:30	57	2.0	12.41	10.9	Start Cement Slurry
02/28/2016	03:25:42	216	6.1	14.07	11.9	
02/28/2016	03:25:55	245	6.2	13.99	13.2	Wet and Dry Sample Taken
02/28/2016	03:26:12	358	7.5	14.06	15.0	
02/28/2016	03:26:23	370	7.9	14.10	16.4	Good Returns
02/28/2016	03:26:42	367	7.8	14.13	18.9	
02/28/2016	03:27:12	362	7.9	14.12	22.9	
02/28/2016	03:27:42	369	7.9	14.12	26.8	
02/28/2016	03:28:12	352	7.9	14.13	30.7	
02/28/2016	03:28:42	352	7.9	14.12	34.7	
02/28/2016	03:29:18	351	7.9	14.12	39.4	Wet Sample Weighed
02/28/2016	03:29:24	337	7.9	14.13	40.2	Cement Sample #4637
02/28/2016	03:29:42	354	7.8	14.19	42.5	
02/28/2016	03:30:12	364	7.8	14.27	46.4	
02/28/2016	03:30:42	369	7.8	14.29	50.3	
02/28/2016	03:31:12	351	7.8	14.24	54.2	
02/28/2016	03:31:42	351	7.8	14.17	58.1	
02/28/2016	03:32:12	352	7.8	14.14	62.0	
02/28/2016	03:32:42	349	7.8	14.19	65.9	
02/28/2016	03:33:12	352	7.8	14.19	69.8	
02/28/2016	03:33:42	340	7.9	14.14	73.7	
02/28/2016	03:34:12	339	7.9	14.13	77.6	
02/28/2016	03:34:42	224	6.4	14.08	81.5	
02/28/2016	03:35:12	330	7.5	14.01	85.0	
02/28/2016	03:35:42	319	7.5	14.12	88.8	
02/28/2016	03:36:12	330	7.5	14.14	92.6	
02/28/2016	03:36:42	330	7.5	14.14	96.3	
02/28/2016	03:37:12	335	7.5	14.19	100.1	
02/28/2016	03:37:20	324	7.5	14.22	101.1	Good Returns
02/28/2016	03:37:42	340	7.5	14.23	103.8	
02/28/2016	03:38:12	358	7.5	14.21	107.6	
02/28/2016	03:38:42	391	7.3	14.19	111.4	

Well		Field		Job Start		Customer		Job Number	
State Antelope O34-21-16XRLNB O34-21-16XRLNB		DJ Basin		Feb/28/2016		Bonanza Creek		DKFJ-00013	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2016	03:39:42	299	7.2	14.35	118.4				
02/28/2016	03:40:12	238	7.3	14.49	122.0				
02/28/2016	03:40:42	381	7.8	14.25	125.7				
02/28/2016	03:41:12	376	7.9	14.27	129.6				
02/28/2016	03:41:34	389	7.9	14.43	132.5	Good Returns			
02/28/2016	03:41:42	409	7.9	14.36	133.6				
02/28/2016	03:42:12	381	7.9	14.14	137.5				
02/28/2016	03:42:42	390	7.9	14.31	141.4				
02/28/2016	03:43:12	383	7.9	14.34	145.4				
02/28/2016	03:43:42	362	7.9	14.21	149.3				
02/28/2016	03:44:12	395	7.9	14.11	153.2				
02/28/2016	03:44:42	381	7.8	14.39	157.2				
02/28/2016	03:45:12	378	7.8	14.18	161.1				
02/28/2016	03:45:42	391	7.8	14.14	164.9				
02/28/2016	03:46:12	389	7.8	14.09	168.8				
02/28/2016	03:46:42	394	7.8	14.30	172.7				
02/28/2016	03:47:12	409	7.8	14.27	176.6				
02/28/2016	03:47:42	395	7.8	14.15	180.5				
02/28/2016	03:48:12	397	7.8	14.23	184.4				
02/28/2016	03:48:42	394	7.8	14.23	188.4				
02/28/2016	03:48:58	373	7.8	14.22	190.5	End Cement Slurry			
02/28/2016	03:49:12	420	7.9	14.15	192.3				
02/28/2016	03:49:42	408	7.9	14.13	196.2				
02/28/2016	03:50:04	14	0.0	14.41	197.6	Reset Total, Vol = 187.25 bbl			
02/28/2016	03:50:12	12	0.0	14.32	197.6				
02/28/2016	03:50:13	11	0.0	14.29	197.6	Drop Top Plug			
02/28/2016	03:50:14	11	0.0	14.28	197.6	Washup Pump and Line			
02/28/2016	03:50:42	8	0.0	14.22	197.6				
02/28/2016	03:51:12	8	0.0	14.19	197.6				
02/28/2016	03:51:42	1	0.0	14.18	197.6				
02/28/2016	03:52:12	3	0.0	14.18	197.6				
02/28/2016	03:52:42	5	0.0	14.18	197.6				
02/28/2016	03:53:12	5	0.0	14.17	197.6				
02/28/2016	03:53:42	4	0.0	14.17	197.6				
02/28/2016	03:54:12	4	0.0	14.17	197.6				
02/28/2016	03:54:42	43	2.3	9.38	198.0				
02/28/2016	03:55:12	157	6.1	9.19	200.1				
02/28/2016	03:55:42	156	6.0	8.87	203.1				
02/28/2016	03:56:12	20	6.1	2.42	206.1				
02/28/2016	03:56:42	3	0.0	8.92	207.8				
02/28/2016	03:57:12	0	0.0	8.90	207.8				
02/28/2016	03:57:42	127	6.0	8.71	208.3				
02/28/2016	03:58:12	131	6.0	8.62	211.2				
02/28/2016	03:58:42	128	6.0	8.63	214.2				
02/28/2016	03:59:12	167	7.7	8.57	217.5				
02/28/2016	03:59:42	168	7.6	8.43	221.3				
02/28/2016	04:00:12	156	7.6	8.45	225.1				
02/28/2016	04:00:42	173	7.6	8.42	228.9				
02/28/2016	04:01:12	207	7.6	8.41	232.7				
02/28/2016	04:01:42	224	7.7	8.41	236.5				
02/28/2016	04:02:12	267	7.6	8.41	240.3				
02/28/2016	04:02:42	285	7.6	8.40	244.1				
02/28/2016	04:03:12	320	7.7	8.40	247.9				
02/28/2016	04:03:42	327	7.7	8.40	251.7				

Well		Field		Job Start		Customer		Job Number	
State Antelope O34-21-16XRLNB O34-21-16XRLNB		DJ Basin		Feb/28/2016		Bonanza Creek		DKFJ-00013	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2016	04:04:42	369	7.6	8.40	259.3				
02/28/2016	04:05:12	405	7.6	8.40	263.1				
02/28/2016	04:05:42	419	7.7	8.40	266.9				
02/28/2016	04:06:12	480	7.6	8.40	270.7				
02/28/2016	04:06:14	442	7.6	8.40	271.0	Cement to Surface, 70 bbl Away			
02/28/2016	04:06:42	512	7.6	8.40	274.5				
02/28/2016	04:07:12	529	7.6	8.40	278.4				
02/28/2016	04:07:42	455	6.0	8.40	281.6				
02/28/2016	04:08:12	433	4.7	8.40	284.2				
02/28/2016	04:08:42	400	3.2	8.41	286.5				
02/28/2016	04:09:12	375	3.2	8.41	288.1				
02/28/2016	04:09:42	356	3.2	8.41	289.7				
02/28/2016	04:10:12	355	3.2	8.40	291.3				
02/28/2016	04:10:42	383	3.2	8.39	292.9				
02/28/2016	04:11:12	422	3.2	8.40	294.5				
02/28/2016	04:11:42	409	4.6	8.40	296.7				
02/28/2016	04:12:12	522	4.7	8.40	298.9				
02/28/2016	04:12:42	425	4.6	8.40	301.2				
02/28/2016	04:13:12	460	4.5	8.40	303.5				
02/28/2016	04:13:42	461	4.7	8.40	305.8				
02/28/2016	04:14:12	481	4.6	8.40	308.1				
02/28/2016	04:14:42	509	4.6	8.40	310.4				
02/28/2016	04:15:12	482	1.8	8.40	312.0				
02/28/2016	04:15:42	456	1.8	8.40	312.9				
02/28/2016	04:16:12	459	1.9	8.40	313.9				
02/28/2016	04:16:42	451	1.9	8.40	314.8				
02/28/2016	04:17:12	457	1.9	8.40	315.7				
02/28/2016	04:17:42	461	1.8	8.40	316.6				
02/28/2016	04:18:12	488	1.9	8.40	317.5				
02/28/2016	04:18:42	474	1.8	8.40	318.5				
02/28/2016	04:19:12	476	1.8	8.40	319.4				
02/28/2016	04:19:42	463	1.9	8.40	320.3				
02/28/2016	04:20:12	507	1.9	8.40	321.2				
02/28/2016	04:20:42	468	1.8	8.40	322.1				
02/28/2016	04:21:12	1398	1.8	8.40	323.1				
02/28/2016	04:21:13	1501	1.9	8.40	323.1	Bump Top Plug 450 to 1600 psi			
02/28/2016	04:21:19	1617	1.0	8.39	323.3	Reset Total, Vol = 125.62 bbl			
02/28/2016	04:21:42	1625	0.0	8.39	323.3				
02/28/2016	04:21:43	1626	0.0	8.39	323.3	52 Bbl Cement to Surface			
02/28/2016	04:22:12	1627	0.0	8.39	323.3				
02/28/2016	04:22:42	1625	0.0	8.39	323.3				
02/28/2016	04:23:12	1626	0.0	8.39	323.3				
02/28/2016	04:23:42	1625	0.0	8.39	323.3				
02/28/2016	04:24:12	1625	0.0	8.39	323.3				
02/28/2016	04:24:42	1625	0.0	8.39	323.3				
02/28/2016	04:25:12	1625	0.0	8.39	323.3				
02/28/2016	04:25:42	1625	0.0	8.39	323.3				
02/28/2016	04:26:12	1624	0.0	8.39	323.3				
02/28/2016	04:26:42	1625	0.0	8.38	323.3				
02/28/2016	04:27:12	1625	0.0	8.38	323.3				
02/28/2016	04:27:42	1625	0.0	8.38	323.3				
02/28/2016	04:28:12	1625	0.0	8.38	323.3				
02/28/2016	04:28:42	1626	0.0	8.38	323.3				
02/28/2016	04:29:12	1625	0.0	8.38	323.3				

Well		Field		Job Start		Customer		Job Number	
State Antelope O34-21-16XRLNB O34-21-16XRLNB		DJ Basin		Feb/28/2016		Bonanza Creek		DKFJ-00013	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/28/2016	04:30:12	1626	0.0	8.38	323.3				
02/28/2016	04:30:42	1626	0.0	8.38	323.3				
02/28/2016	04:31:12	1626	0.0	8.38	323.3				
02/28/2016	04:31:42	1627	0.0	8.38	323.3				
02/28/2016	04:32:12	1627	0.0	8.38	323.3				
02/28/2016	04:32:42	1627	0.0	8.38	323.3				
02/28/2016	04:33:12	1627	0.0	8.38	323.3				
02/28/2016	04:34:12	1627	0.0	8.38	323.3				
02/28/2016	04:35:12	1627	0.0	8.38	323.3				
02/28/2016	04:35:42	1628	0.0	8.38	323.3				
02/28/2016	04:36:12	27	0.0	8.38	323.3				
02/28/2016	04:36:35	0	0.0	8.38	323.3	Floats Hold, 1 BBL Back			
02/28/2016	04:36:42	-0	0.0	8.38	323.3				
02/28/2016	04:37:12	0	0.0	8.38	323.3				

### Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
5.9			7.9	125.6	0.0	0.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
4512	-1	761	1600			bbl	lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	52.0 bbl	
%	184.0 bbl	125.5 bbl	62 degF	Washed Thru Perfs	<input type="checkbox"/>	To	ft	
Customer or Authorized Representative			Schlumberger Supervisor	Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>	
			Ryan Drilling/Justin Storey/Glenn Mendez	-		-		