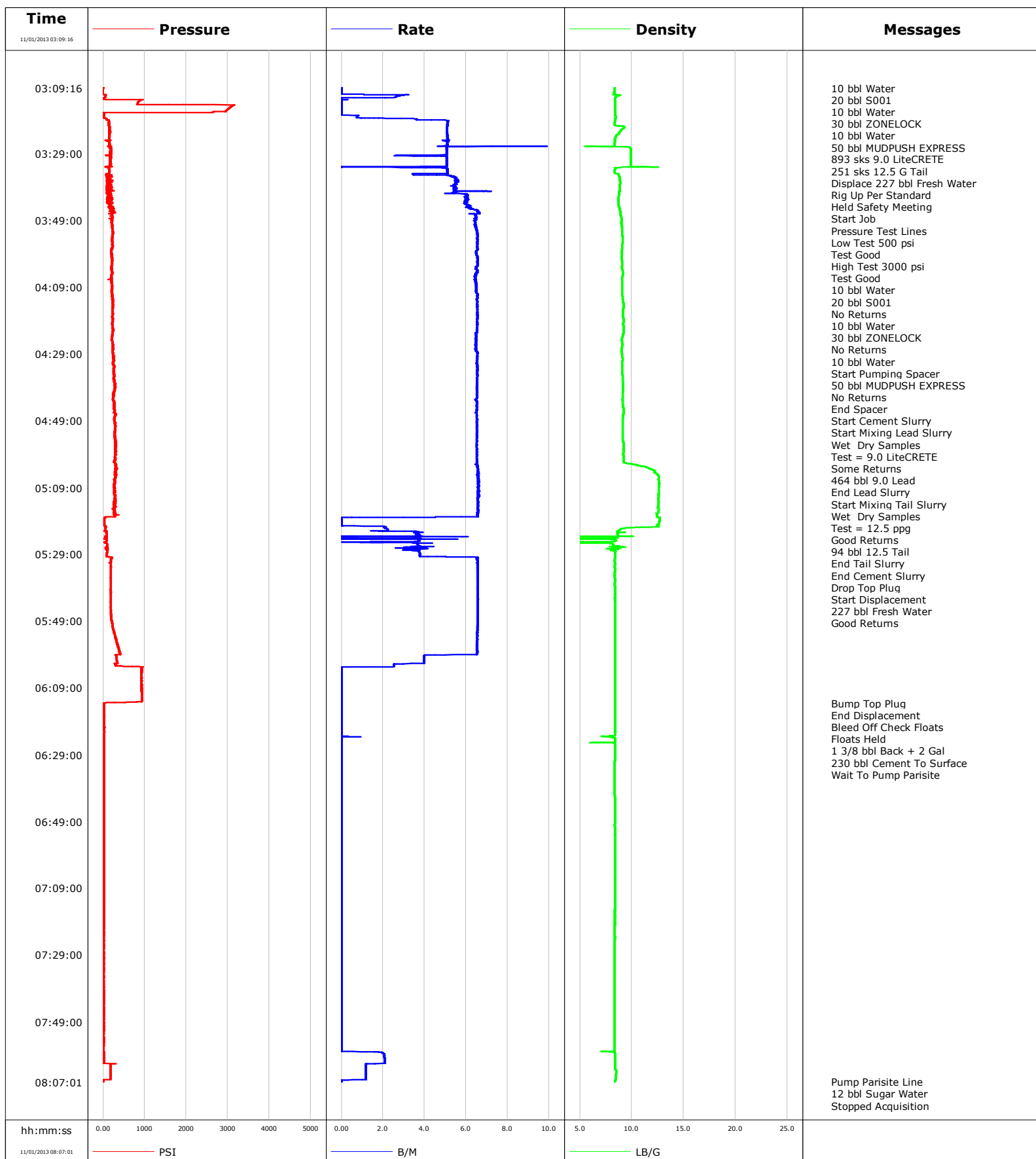


Well SGU 8515D-34
Field Story Gulch
Engineer Jordan Moreland / TJ Morrow
Country United States

Client Encana
SIR No. COU5-00053
Job Type 9 5/8 Surface
Job Date 11-01-2013





Cementing Service Report

				Customer Encana		Job Number COU5-00053			
Well SGU 8515D-34			Location (legal) E34		Schlumberger Location GCO		Job Start Nov/01/2013		
Field Story Gulch		Formation Name/Type		Deviation	Bit Size		Well MD		Well TVD
County Garfield		State/Province Colorado		BHP	BHST	BHCT	Pore Press. Gradient		
Well Master		API/UWI							
Rig Name Patterson 326		Drilled For Gas	Service Via Land	Casing/Liner					
				Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone		Well Class New	Well Type Development	2980.0	9.630	36.0	J55	8RD	
				0.0	0.000	0.0			
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
				Depth, ft	Size,	Weight,	Grade	Thread	
Service Line Cementing		Job Type 9 5/8 Surface		2980.0					
				0.0					
Max. Allowed Tub. Press		Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole					
				Top,	Bottom,		No. of Shots	Total Interval	
Service Instructions RATE And Density Checked ZONELOCK Pill 50 bbl MUDPUSH EXPRESS 893 sks 9.0 LiteCRETE 251 sks 12.5 G Tail Displace 227 bbl Fresh Water								Diameter	
		Treat Down	Displacement 227.0 bbl	Packer Type	Packer Depth				
		Tubing Vol.	Casing Vol. 230.0 bbl	Annular Vol.	Openhole Vol.				
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 Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 2980.0 ft		Tool Type			
No. Centralizers		Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth			
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size			
Job Scheduled For Nov/01/2013		Arrived on Location Nov/01/2013	Leave Location Nov/01/2013	Collar Type Float		Tail Pipe Depth			
				Collar Depth 2934.0 ft		Sqz. Total Vol.			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
01/01/1970	00:00:00					Started Acquisition			
11/01/2013	02:43:45					Started Acquisition			
11/01/2013	03:09:16	1	0.0	8.37	0.0				
11/01/2013	03:09:17					10 bbl Water			
11/01/2013	03:09:17	0	0.0	8.37	0.0				
11/01/2013	03:09:18					20 bbl S001			
11/01/2013	03:09:18					10 bbl Water			
11/01/2013	03:09:18					30 bbl ZONELOCK			
11/01/2013	03:09:18					10 bbl Water			
11/01/2013	03:09:18					50 bbl MUDPUSH EXPRESS			
11/01/2013	03:09:18					893 sks 9.0 LiteCRETE			
11/01/2013	03:09:18	1	0.0	8.37	0.0				
11/01/2013	03:09:19					251 sks 12.5 G Tail			
11/01/2013	03:09:19					Displace 227 bbl Fresh Water			
11/01/2013	03:09:19					Rig Up Per Standard			
11/01/2013	03:09:19					Held Safety Meeting			
11/01/2013	03:09:19	0	0.0	8.37	0.0				
11/01/2013	03:09:21					Start Job			
11/01/2013	03:09:21	0	0.0	8.37	0.0				
11/01/2013	03:09:22					Pressure Test Lines			
11/01/2013	03:09:22	0	0.0	8.37	0.0				

Well			Field		Job Start		Customer		Job Number	
SGU 8515D-34			Story Gulch		Nov/01/2013		Encana		COU5-00053	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL		Message	
11/01/2013	03:09:24								Test Good	
11/01/2013	03:09:24								High Test 3000 psi	
11/01/2013	03:09:24								Test Good	
11/01/2013	03:09:24	0		0.0	8.37		0.0			
11/01/2013	03:10:00	-1		0.0	8.37		0.0			
11/01/2013	03:12:30	22		0.0	8.42		2.6			
11/01/2013	03:15:00	3078		0.0	8.42		2.6			
11/01/2013	03:17:30	16		0.0	8.42		2.6			
11/01/2013	03:20:00	137		5.1	8.38		10.4			
11/01/2013	03:22:30	155		5.1	8.85		23.1			
11/01/2013	03:25:00	136		5.1	8.35		35.9			
11/01/2013	03:27:30	171		5.1	9.86		48.8			
11/01/2013	03:29:05								10 bbl Water	
11/01/2013	03:29:05	204		5.1	9.86		56.8			
11/01/2013	03:29:06								20 bbl S001	
11/01/2013	03:29:06	183		5.1	9.86		56.9			
11/01/2013	03:29:09								No Returns	
11/01/2013	03:29:09	163		5.1	9.86		57.2			
11/01/2013	03:29:12								10 bbl Water	
11/01/2013	03:29:12	173		5.1	9.86		57.4			
11/01/2013	03:29:14								30 bbl ZONELOCK	
11/01/2013	03:29:14	182		5.1	9.86		57.6			
11/01/2013	03:29:15								No Returns	
11/01/2013	03:29:15	187		5.1	9.86		57.7			
11/01/2013	03:29:17								10 bbl Water	
11/01/2013	03:29:17	174		5.1	9.86		57.8			
11/01/2013	03:30:00	193		5.1	9.86		60.8			
11/01/2013	03:32:30	190		5.1	9.86		73.5			
11/01/2013	03:35:00	102		4.7	8.60		85.1			
11/01/2013	03:37:30	177		5.6	8.88		97.9			
11/01/2013	03:40:00	83		5.5	8.82		111.6			
11/01/2013	03:42:26								Start Pumping Spacer	
11/01/2013	03:42:26	98		6.1	8.69		125.9			
11/01/2013	03:42:27								50 bbl MUDPUSH EXPRESS	
11/01/2013	03:42:27	109		6.0	8.69		126.0			
11/01/2013	03:42:28								No Returns	
11/01/2013	03:42:28	96		6.0	8.69		126.1			
11/01/2013	03:42:30	221		6.0	8.69		126.3			
11/01/2013	03:45:00	197		6.0	8.77		141.4			
11/01/2013	03:47:30	219		6.5	8.94		157.5			
11/01/2013	03:50:00	212		6.4	9.00		173.6			
11/01/2013	03:52:30	231		6.5	9.08		189.8			
11/01/2013	03:55:00	227		6.5	9.12		206.2			
11/01/2013	03:57:30	202		6.5	9.07		222.5			
11/01/2013	03:58:34								End Spacer	
11/01/2013	03:58:34	193		6.5	9.02		229.5			
11/01/2013	03:58:35								Start Cement Slurry	
11/01/2013	03:58:35	207		6.5	9.02		229.6			
11/01/2013	03:58:36								Start Mixing Lead Slurry	
11/01/2013	03:58:36	202		6.5	9.02		229.7			
11/01/2013	03:58:38								Wet Dry Samples	
11/01/2013	03:58:38								Test = 9.0 LiteCRETE	
11/01/2013	03:58:38								Some Returns	
11/01/2013	03:58:38								464 bbl 9.0 Lead	

Well			Field		Job Start	Customer	Job Number
SGU 8515D-34			Story Gulch		Nov/01/2013	Encana	COU5-00053
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/01/2013	04:00:00	225	6.5	9.04	238.8		
11/01/2013	04:02:30	213	6.5	9.05	255.2		
11/01/2013	04:05:00	229	6.5	9.15	271.4		
11/01/2013	04:07:30	195	6.5	9.08	287.6		
11/01/2013	04:10:00	208	6.5	9.06	303.8		
11/01/2013	04:12:30	222	6.5	9.12	320.1		
11/01/2013	04:15:00	235	6.5	9.21	336.4		
11/01/2013	04:17:30	224	6.5	9.17	352.8		
11/01/2013	04:20:00	221	6.5	9.19	369.1		
11/01/2013	04:22:30	219	6.5	9.22	385.4		
11/01/2013	04:25:00	212	6.5	9.05	401.6		
11/01/2013	04:27:30	236	6.4	9.03	417.8		
11/01/2013	04:30:00	255	6.5	9.09	434.1		
11/01/2013	04:32:30	252	6.5	9.06	450.4		
11/01/2013	04:35:00	254	6.5	9.09	466.8		
11/01/2013	04:37:30	267	6.5	9.14	483.1		
11/01/2013	04:40:00	263	6.5	9.15	499.4		
11/01/2013	04:42:30	238	6.5	9.11	515.7		
11/01/2013	04:45:00	270	6.5	9.19	532.0		
11/01/2013	04:47:30	276	6.5	9.19	548.3		
11/01/2013	04:50:00	284	6.5	9.12	564.6		
11/01/2013	04:52:30	274	6.5	9.11	580.9		
11/01/2013	04:55:00	286	6.5	9.15	597.2		
11/01/2013	04:57:30	302	6.5	9.19	613.5		
11/01/2013	05:00:00	287	6.5	9.21	629.8		
11/01/2013	05:01:13					End Lead Slurry	
11/01/2013	05:01:13	266	6.5	9.20	637.8		
11/01/2013	05:02:30	305	6.6	10.67	646.1		
11/01/2013	05:05:00	299	6.6	12.45	662.6		
11/01/2013	05:07:30	264	6.6	12.64	679.0		
11/01/2013	05:10:00	298	6.6	12.58	695.5		
11/01/2013	05:10:59					Start Mixing Tail Slurry	
11/01/2013	05:10:59	273	6.6	12.57	702.0		
11/01/2013	05:11:00					Wet Dry Samples	
11/01/2013	05:11:00	274	6.6	12.58	702.1		
11/01/2013	05:11:01					Test = 12.5 ppg	
11/01/2013	05:11:01					Good Returns	
11/01/2013	05:11:01					94 bbl 12.5 Tail	
11/01/2013	05:11:01	259	6.6	12.58	702.2		
11/01/2013	05:12:30	276	6.5	12.57	712.0		
11/01/2013	05:15:00	247	6.5	12.51	728.4		
11/01/2013	05:17:00					End Tail Slurry	
11/01/2013	05:17:00					End Cement Slurry	
11/01/2013	05:17:00	297	6.5	12.44	741.5		
11/01/2013	05:17:30	268	6.6	12.43	744.8		
11/01/2013	05:20:00	27	0.0	12.63	747.5		
11/01/2013	05:22:30	92	3.7	8.87	752.1		
11/01/2013	05:23:53					Drop Top Plug	
11/01/2013	05:23:53	91	3.6	8.35	757.0		
11/01/2013	05:23:54					Start Displacement	
11/01/2013	05:23:54	91	3.6	8.38	757.1		
11/01/2013	05:23:55					227 bbl Fresh Water	
11/01/2013	05:23:55					Good Returns	
11/01/2013	05:23:55	88	3.6	8.40	757.2		

Well			Field		Job Start		Customer		Job Number	
SGU 8515D-34			Story Gulch		Nov/01/2013		Encana		COU5-00053	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
11/01/2013	05:27:30	95	3.6	8.44	769.2					
11/01/2013	05:30:00	195	6.5	8.39	779.1					
11/01/2013	05:32:30	187	6.6	8.38	795.5					
11/01/2013	05:35:00	181	6.5	8.38	811.9					
11/01/2013	05:37:30	185	6.6	8.38	828.3					
11/01/2013	05:40:00	188	6.6	8.38	844.7					
11/01/2013	05:42:30	185	6.6	8.38	861.0					
11/01/2013	05:45:00	186	6.6	8.38	877.4					
11/01/2013	05:47:30	193	6.6	8.38	893.8					
11/01/2013	05:50:00	222	6.5	8.38	910.2					
11/01/2013	05:52:30	262	6.5	8.38	926.6					
11/01/2013	05:55:00	318	6.5	8.38	942.9					
11/01/2013	05:57:30	379	6.5	8.38	959.2					
11/01/2013	06:00:00	322	4.0	8.38	973.4					
11/01/2013	06:02:30	408	2.5	8.38	982.3					
11/01/2013	06:05:00	928	0.0	8.38	983.0					
11/01/2013	06:07:30	928	0.0	8.38	983.0					
11/01/2013	06:10:00	929	0.0	8.38	983.0					
11/01/2013	06:12:30	930	0.0	8.38	983.0					
11/01/2013	06:13:36					Bump Top Plug				
11/01/2013	06:13:36	19	0.0	8.38	983.0					
11/01/2013	06:13:37					End Displacement				
11/01/2013	06:13:37	19	0.0	8.38	983.0					
11/01/2013	06:13:38					Bleed Off Check Floats				
11/01/2013	06:13:38	18	0.0	8.38	983.0					
11/01/2013	06:13:39					Floats Held				
11/01/2013	06:13:39					1 3/8 bbl Back + 2 Gal				
11/01/2013	06:13:39					230 bbl Cement To Surface				
11/01/2013	06:13:39					Wait To Pump Parisite				
11/01/2013	06:13:39	18	0.0	8.38	983.0					
11/01/2013	06:15:00	15	0.0	8.38	983.0					
11/01/2013	06:17:30	14	0.0	8.38	983.0					
11/01/2013	06:20:00	15	0.0	8.38	983.0					
11/01/2013	06:22:30	20	0.0	8.38	983.0					
11/01/2013	06:25:00	15	0.0	8.38	983.0					
11/01/2013	06:27:30	14	0.0	8.38	983.0					
11/01/2013	06:30:00	13	0.0	8.38	983.0					
11/01/2013	06:32:30	13	0.0	8.38	983.0					
11/01/2013	06:35:00	13	0.0	8.38	983.0					
11/01/2013	06:37:30	13	0.0	8.38	983.0					
11/01/2013	06:40:00	14	0.0	8.38	983.0					
11/01/2013	06:42:30	13	0.0	8.38	983.0					
11/01/2013	06:45:00	13	0.0	8.38	983.0					
11/01/2013	06:47:30	13	0.0	8.38	983.0					
11/01/2013	06:50:00	13	0.0	8.38	983.0					
11/01/2013	06:52:30	13	0.0	8.38	983.0					
11/01/2013	06:55:00	12	0.0	8.38	983.0					
11/01/2013	06:57:30	12	0.0	8.38	983.0					
11/01/2013	07:00:00	12	0.0	8.38	983.0					
11/01/2013	07:02:30	13	0.0	8.38	983.0					
11/01/2013	07:05:00	12	0.0	8.38	983.0					
11/01/2013	07:07:30	13	0.0	8.38	983.0					
11/01/2013	07:10:00	12	0.0	8.38	983.0					
11/01/2013	07:12:30	13	0.0	8.38	983.0					

Well			Field		Job Start	Customer	Job Number
SGU 8515D-34			Story Gulch		Nov/01/2013	Encana	COU5-00053
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
11/01/2013	07:17:30	12	0.0	8.38	983.0		
11/01/2013	07:20:00	12	0.0	8.38	983.0		
11/01/2013	07:22:30	13	0.0	8.38	983.0		
11/01/2013	07:25:00	12	0.0	8.38	983.0		
11/01/2013	07:27:30	12	0.0	8.38	983.0		
11/01/2013	07:30:00	12	0.0	8.38	983.0		
11/01/2013	07:32:30	12	0.0	8.38	983.0		
11/01/2013	07:35:00	12	0.0	8.38	983.0		
11/01/2013	07:37:30	12	0.0	8.38	983.0		
11/01/2013	07:40:00	12	0.0	8.38	983.0		
11/01/2013	07:42:30	12	0.0	8.38	983.0		
11/01/2013	07:45:00	13	0.0	8.38	983.0		
11/01/2013	07:47:30	12	0.0	8.38	983.0		
11/01/2013	07:50:00	12	0.0	8.38	983.0		
11/01/2013	07:52:30	11	0.0	8.38	983.0		
11/01/2013	07:55:00	12	0.0	8.38	983.0		
11/01/2013	07:57:30	7	0.0	8.38	983.0		
11/01/2013	08:00:00	13	2.1	8.41	987.1		
11/01/2013	08:02:30	176	1.2	8.41	991.4		
11/01/2013	08:05:00	176	1.2	8.47	994.3		
11/01/2013	08:06:56					Pump Parisite Line	
11/01/2013	08:06:56					12 bbl Sugar Water	
11/01/2013	08:06:56	3	0.0	8.43	996.0		

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary,					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume		Density
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	
				68 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed
Mark Schultz			Jordan Moreland / TJ Morrow			-	<input checked="" type="checkbox"/>	-