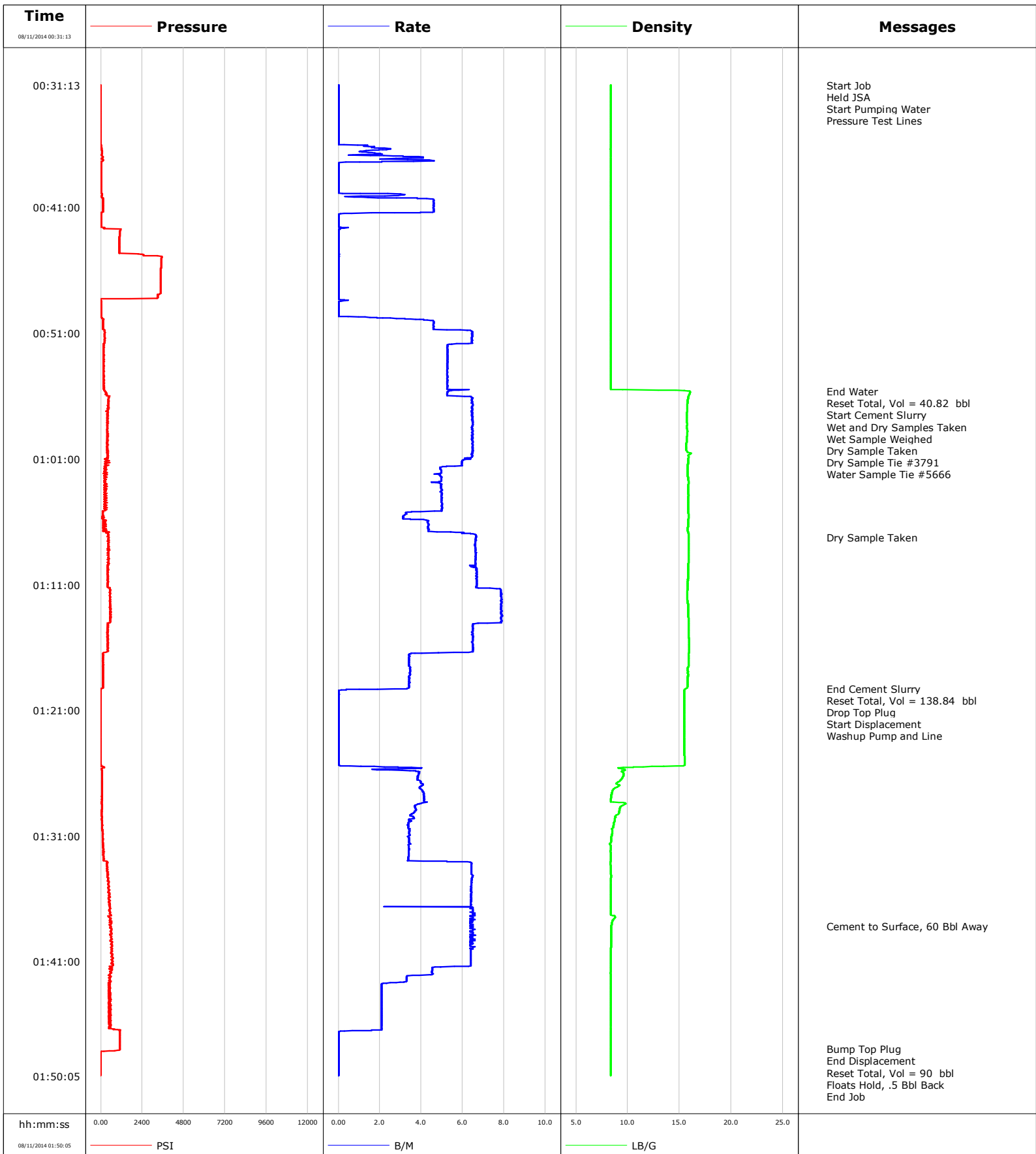


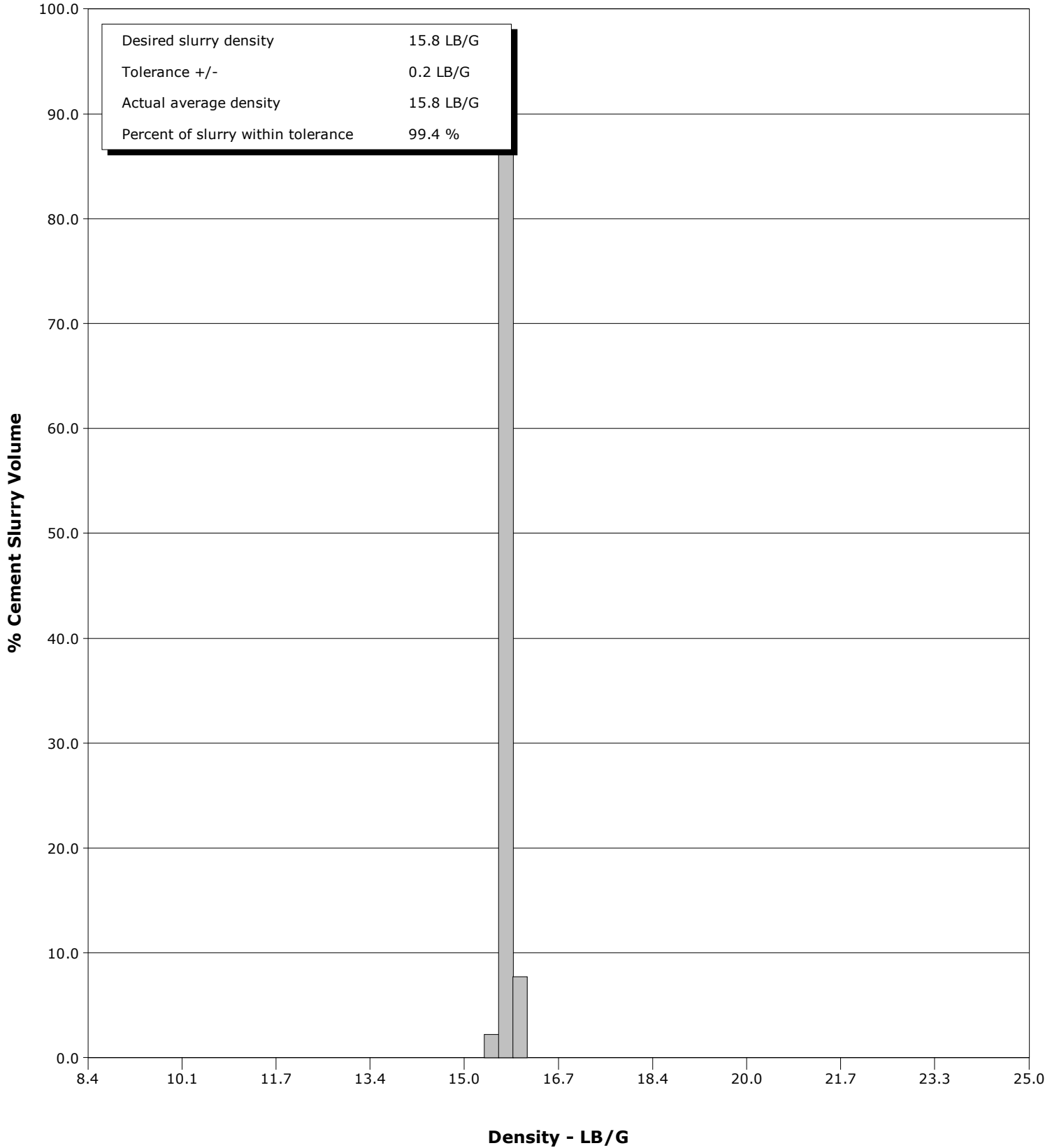
Well	Hiner 36C-24W	Client	Extraction
Field	Wattenberg	SIR No.	D2IK-00102
Engineer	Ryan Drilling	Job Type	9 5/8 Surface
Country	United States	Job Date	08-10-2014



Well Hiner 36C-24W
Field Wattenberg
Engineer Ryan Drilling
Country United States

Client Extraction
SIR No. D2IK-00102
Job Type 9 5/8 Surface
Job Date 08-10-2014

Cement Slurry - 08/11/2014 00:55:51 to 08/11/2014 01:19:16



					Customer			Job Number	
					Extraction			D2IK-00102	
Well		Location (legal)			Schlumberger Location			Job Start	
Hiner 36C-24W 36C-24W		Cheyenne			Rock Springs			Aug/10/2014	
Field		Formation Name/Type			Deviation	Bit Size		Well MD	Well TVD
Wattenberg		Dirty-Sandstone			0 deg	13.5 in		1218.0 ft	1200.0 ft
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient	
Weld		Colorado			psi	94 degF	82 degF	lb/gal	
Well Master		API/UWI							
0631573371									
Rig Name	Drilled For		Service Via		Casing/Liner				
Xtreme 7	Oil		Land						
Offshore Zone	Well Class		Well Type		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
	New		Development						
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe				
Bentonite		8.40 lb/gal	cP						
Service Line	Job Type		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Cementing	9 5/8 Surface								
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole				
psi	psi		Single Cement head						
Service Instructions					Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
Cement 9 5/8" surface casing in 13.5" hole to 1,200 feet with 25% excess. TOC = surface.					ft	ft			ft
					ft	ft			Diameter
					ft	ft			in
Treat Down		Displacement		Packer Type		Packer Depth			
Casing		90.9 bbl				ft			
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.			
bbl		90.9 bbl		bbl		109.0 bbl			
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement			Casing Tools			Squeeze Job	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							
Lift Pressure		Shoe Type			Shoe Depth		Squeeze Type		
600 psi		Float			1218.3 ft				
Pipe Rotated		Pipe Reciprocated			Stage Tool Type		Tool Depth		ft
<input type="checkbox"/>		<input type="checkbox"/>							
No. Centralizers		Top Plugs	Bottom Plugs		Stage Tool Depth		Tail Pipe Size		in
10		1			ft				
Cement Head Type		Job Scheduled For			Arrived on Location		Leave Location		Collar Type
Single		Aug/10/2014 20:00			Aug/10/2014 20:00		Aug/11/2014 03:00		Float
		Collar Depth			Tail Pipe Depth		Sqz. Total Vol.		ft
		1175.9 ft					bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message		
08/11/2014	00:31:13	-1	0.0	8.34	1.5	0	Started Acquisition		
08/11/2014	00:31:16	-2	0.0	8.35	1.5	0	Held JSA		
08/11/2014	00:31:24	-1	0.0	8.34	1.5	0	Start Pumping Water		
08/11/2014	00:31:28	-1	0.0	8.34	1.5	0	Pressure Test Lines		
08/11/2014	00:32:13	-1	0.0	8.35	1.5	0			
08/11/2014	00:33:13	-1	0.0	8.35	1.5	0			
08/11/2014	00:34:13	-1	0.0	8.35	1.6	0			
08/11/2014	00:35:13	-3	0.0	8.35	1.6	0			
08/11/2014	00:36:13	27	1.6	8.34	0.3	0			
08/11/2014	00:37:13	129	4.4	8.34	2.5	0			
08/11/2014	00:38:13	7	0.0	8.34	3.1	0			
08/11/2014	00:39:13	7	0.0	8.34	3.1	0			
08/11/2014	00:40:13	81	1.9	8.34	3.8	0			
08/11/2014	00:41:13	123	4.6	8.34	8.3	0			
08/11/2014	00:42:13	8	0.0	8.34	9.3	0			
08/11/2014	00:43:13	1088	0.0	8.34	9.3	0			
08/11/2014	00:44:13	1071	0.0	8.34	9.4	0			
08/11/2014	00:45:13	3503	0.0	8.34	9.4	0			
08/11/2014	00:46:13	3479	0.0	8.34	9.4	0			
08/11/2014	00:47:13	3464	0.0	8.34	9.4	0			
08/11/2014	00:48:13	3256	0.0	8.34	9.4	0			

Well			Field		Job Start	Customer		Job Number
Hiner 36C-24W 36C-24W			Wattenberg		Aug/10/2014	Extraction		D2IK-00102
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
08/11/2014	00:50:13	119	4.6	8.34	11.3	0		
08/11/2014	00:51:13	231	6.5	8.34	16.8	0		
08/11/2014	00:52:13	169	5.3	8.34	22.8	0		
08/11/2014	00:53:13	163	5.3	8.34	28.1	0		
08/11/2014	00:54:13	169	5.3	8.34	33.4	0		
08/11/2014	00:55:13	162	5.3	8.34	38.6	0		
08/11/2014	00:55:35	223	5.4	15.84	40.6	39	End Water	
08/11/2014	00:55:36	231	5.3	15.96	40.7	39	Reset Total, Vol = 40.82 bbl	
08/11/2014	00:55:51	277	5.2	15.97	42.0	40	Start Cement Slurry	
08/11/2014	00:56:13	441	6.5	15.83	44.2	41		
08/11/2014	00:57:05	403	6.5	15.74	49.8	42	Wet and Dry Samples Taken	
08/11/2014	00:57:06	392	6.5	15.74	49.9	42	Wet Sample Weighed	
08/11/2014	00:57:13	388	6.4	15.73	50.6	42		
08/11/2014	00:58:13	360	6.5	15.72	57.1	42		
08/11/2014	00:59:02	368	6.5	15.74	62.4	40	Dry Sample Taken	
08/11/2014	00:59:13	412	6.5	15.71	63.6	40		
08/11/2014	00:59:14	412	6.5	15.71	63.7	40	Dry Sample Tie #3791	
08/11/2014	01:00:13	372	6.5	15.64	70.1	40		
08/11/2014	01:01:13	249	6.0	15.81	76.4	40		
08/11/2014	01:02:13	241	4.8	15.79	81.7	40		
08/11/2014	01:03:13	223	4.9	15.85	86.7	41		
08/11/2014	01:04:13	192	5.0	15.83	91.6	42		
08/11/2014	01:05:13	112	3.5	15.83	96.6	42		
08/11/2014	01:06:13	255	4.4	15.83	100.3	41		
08/11/2014	01:07:13	429	6.7	15.87	105.4	42		
08/11/2014	01:07:15	456	6.7	15.87	105.6	42	Dry Sample Taken	
08/11/2014	01:08:13	444	6.6	15.86	112.0	43		
08/11/2014	01:09:13	392	6.6	15.86	118.7	43		
08/11/2014	01:10:13	387	6.7	15.82	125.3	43		
08/11/2014	01:11:13	405	6.7	15.78	132.0	43		
08/11/2014	01:12:13	556	7.9	15.76	139.7	42		
08/11/2014	01:13:13	579	7.9	15.85	147.6	42		
08/11/2014	01:14:13	394	6.5	15.87	155.3	42		
08/11/2014	01:15:13	378	6.5	15.90	161.8	42		
08/11/2014	01:16:13	411	6.5	15.91	168.3	42		
08/11/2014	01:17:13	137	3.4	15.90	172.4	40		
08/11/2014	01:18:13	126	3.4	15.82	175.8	31		
08/11/2014	01:19:13	119	3.4	15.74	179.2	72		
08/11/2014	01:19:16	55	3.3	15.64	179.4	74	End Cement Slurry	
08/11/2014	01:19:21	-11	0.4	15.49	179.6	0	Reset Total, Vol = 138.84 bbl	
08/11/2014	01:19:24	-2	0.0	15.47	179.6	0	Drop Top Plug	
08/11/2014	01:19:26	-2	0.0	15.46	179.6	0	Start Displacement	
08/11/2014	01:19:45	-3	0.0	15.45	179.6	0	Washup Pump and Line	
08/11/2014	01:20:13	-3	0.0	15.44	179.6	0		
08/11/2014	01:21:13	-2	0.0	15.44	179.6	0		
08/11/2014	01:22:13	-2	0.0	15.44	179.7	0		
08/11/2014	01:23:13	-1	0.0	15.45	179.7	0		
08/11/2014	01:24:13	-1	0.0	15.47	0.0	0		
08/11/2014	01:25:13	-1	0.0	15.49	0.0	0		
08/11/2014	01:26:13	68	3.9	9.58	2.5	75		
08/11/2014	01:27:13	60	3.9	8.71	6.5	75		
08/11/2014	01:28:13	58	4.1	8.35	10.6	75		
08/11/2014	01:29:13	50	3.6	9.14	14.4	0		
08/11/2014	01:30:13	80	3.4	8.61	17.8	7		

Well			Field		Job Start	Customer		Job Number
Hiner 36C-24W 36C-24W			Wattenberg		Aug/10/2014	Extraction		D2IK-00102
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Solid Fraction NULL	Message	
08/11/2014	01:32:13	167	3.4	8.30	24.7	5		
08/11/2014	01:33:13	323	6.4	8.33	28.6	75		
08/11/2014	01:34:13	381	6.5	8.41	35.0	0		
08/11/2014	01:35:13	434	6.4	8.34	41.5	0		
08/11/2014	01:36:13	485	6.4	8.34	47.9	0		
08/11/2014	01:37:13	512	6.5	8.34	54.2	0		
08/11/2014	01:38:10	557	6.4	8.42	60.4	0	Cement to Surface, 60 Bbl Away	
08/11/2014	01:38:13	580	6.5	8.42	60.7	0		
08/11/2014	01:39:13	636	6.5	8.39	67.1	0		
08/11/2014	01:40:13	620	6.4	8.34	73.6	0		
08/11/2014	01:41:13	707	6.4	8.34	79.9	0		
08/11/2014	01:42:13	559	3.3	8.34	84.6	0		
08/11/2014	01:43:13	464	2.1	8.34	87.3	0		
08/11/2014	01:44:13	548	2.1	8.34	89.4	0		
08/11/2014	01:45:13	472	2.1	8.34	91.4	0		
08/11/2014	01:47:13	1098	0.0	8.34	94.1	0		
08/11/2014	01:47:56	1096	0.0	8.34	94.1	0	Bump Top Plug	
08/11/2014	01:47:58	1096	0.0	8.34	94.1	0	End Displacement	
08/11/2014	01:48:03	1072	0.0	8.34	94.1	0	Reset Total, Vol = 90 bbl	
08/11/2014	01:48:13	-7	0.0	8.34	94.1	0		
08/11/2014	01:48:20	-5	0.0	8.34	94.1	0	Floats Hold, .5 Bbl Back	
08/11/2014	01:49:13	-2	0.0	8.34	94.1	0		

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3.7			7.9	138.0	0.0	0.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3529	-2	508	1100			bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	30.0 bbl
%	136.8 bbl	90.0 bbl	70 degF	Washed Thru Perfs	<input type="checkbox"/>	To	ft
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	<input type="checkbox"/>	Job Completed
Sean McIntyre			Ryan Drilling		-		<input checked="" type="checkbox"/>