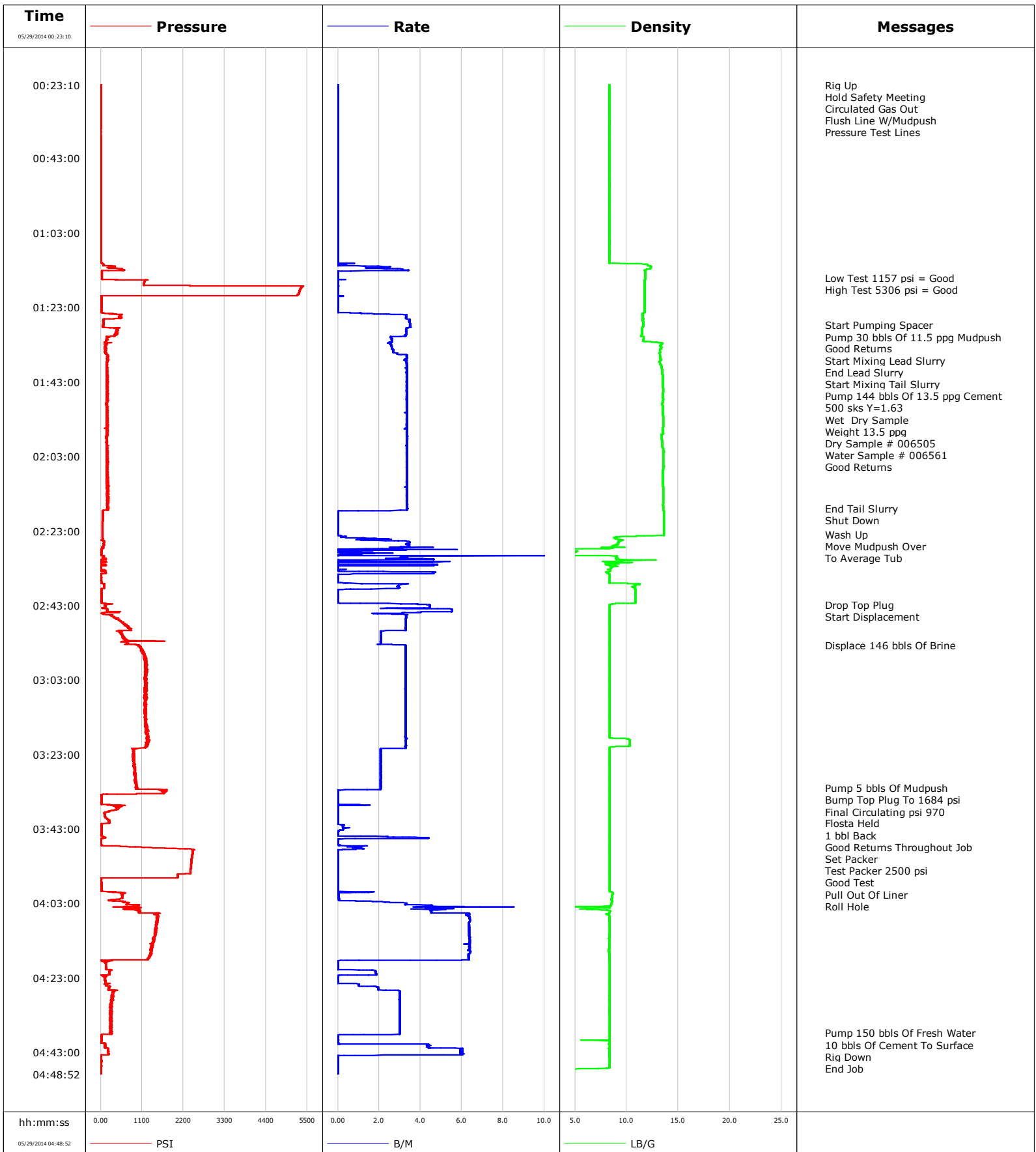


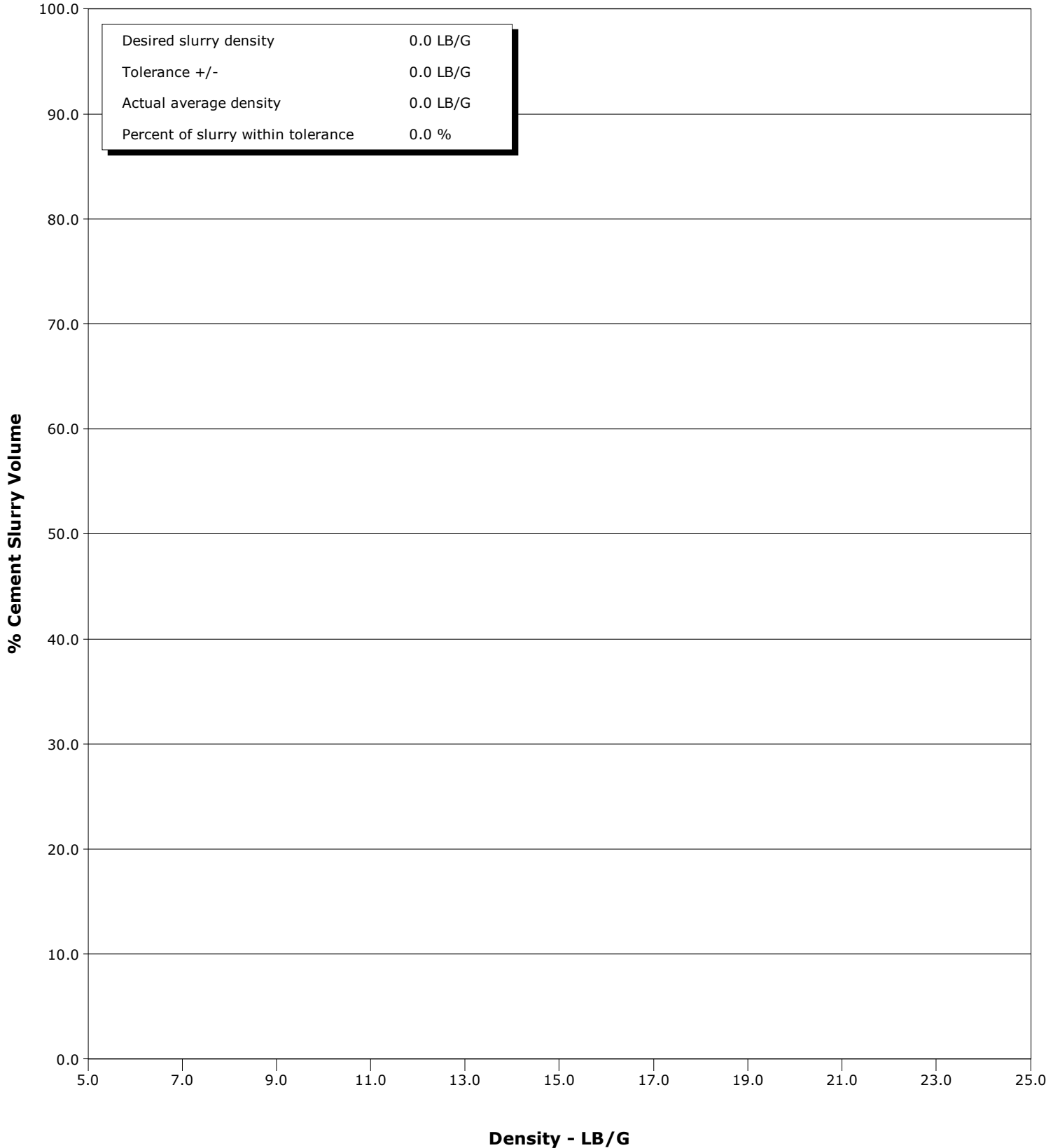
Well	Razor Federal 26J-3509A	Client	Whiting
Field		SIR No.	
Engineer	Justin Zika	Job Type	Liner
Country	United States	Job Date	05-29-2014



Well Razor Federal 26J-3509A
Field
Engineer Justin Zika
Country United States

Client Whiting
SIR No.
Job Type Liner
Job Date 05-29-2014

- 03/12/1972 17:48:40 to 03/12/1972 17:52:24





Cementing Service Report

Customer Whiting				Job Number 1968697							
Well Razor Federal 26J-3509A 26J-3509A			Location (legal) Cheyenne,WY			Schlumberger Location Cheyenne, WY		Job Start May/29/2014			
Field		Formation Name/Type Shale		Deviation		Bit Size 6.1 in		Well MD 12310.0 ft		Well TVD	
County Weld		State/Province Colorado		BHP		BHST 200 degF		BHCT 200 degF		Pore Press. Gradient	
Well Master 0631506281		API/UWI 5123383450000									
Rig Name Xtreme 18		Drilled For Oil		Service Via Land		Casing/Liner					
						Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone		Well Class New		Well Type Development		12300.0	4.500	11.6	N80	8RD	
						0.0	0.000	0.0			
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe					
						Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Service Line Cementing		Job Type Liner				4862.0	4.000	0.0	N/A	N/A	
						0.0	0.000	0.0			
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole					
						Top,	Bottom,		No. of Shots	Total Interval	
Service Instructions Rig Up Hold Safety Meeting Flush Lines Pressure Test Lines Pump 30 bbls Of 11.5 ppg Mudpush Pump 144 bbls Of 13.5 ppg Liner Cement Shut Down/Wash Up/Drop Wiper Plug Displace Set Packer/Test Packer/POOH/Role Hole										Diameter	
						Treat Down Casing	Displacement 146.0 bbl	Packer Type	Packer Depth		
						Tubing Vol.	Casing Vol. 146.0 bbl	Annular Vol. 239.0 bbl	Openhole Vol. 385.0 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				Shoe Type Float				Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 12300.0 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 May/27/2014 20:00		Arrived on Location May/27/2014 20:00		Leave Location May/29/2014 06:00		Collar Type Float				Tail Pipe Depth	
						Collar Depth 12250.0 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					
01/01/1970	00:00:00					Stopped Acquisition					
01/01/1970	00:00:00					Remark					
01/01/1970	00:00:00					Remark					
01/01/1970	00:00:00					Remark					
05/28/2014	22:04:51					Started Acquisition					
05/29/2014	00:23:10	5	0.0	8.33	0.0						
05/29/2014	00:23:13					Rig Up					
05/29/2014	00:23:13					Hold Safety Meeting					
05/29/2014	00:23:13					Circulated Gas Out					
05/29/2014	00:23:13					Flush Line W/Mudpush					
05/29/2014	00:23:13	5	0.0	8.33	0.0						
05/29/2014	00:23:20	5	0.0	8.33	0.0						
05/29/2014	00:23:24					Pressure Test Lines					
05/29/2014	00:23:24	5	0.0	8.33	0.0						
05/29/2014	00:25:00	5	0.0	8.33	0.0						
05/29/2014	00:26:40	5	0.0	8.33	0.0						
05/29/2014	00:28:20	5	0.0	8.33	0.0						
05/29/2014	00:30:00	2	0.0	8.33	0.0						
05/29/2014	00:31:40	1	0.0	8.33	0.0						
05/29/2014	00:33:20	1	0.0	8.33	0.1						

Well		Field		Job Start		Customer		Job Number	
Razor Federal 26J-3509A 26J-3509A				May/29/2014		Whiting		1968697	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/29/2014	00:36:40	-1	0.0	8.33	0.1				
05/29/2014	00:38:20	1	0.0	8.33	0.1				
05/29/2014	00:40:00	0	0.0	8.33	0.1				
05/29/2014	00:41:40	1	0.0	8.33	0.1				
05/29/2014	00:43:20	1	0.0	8.33	0.1				
05/29/2014	00:45:00	1	0.0	8.33	0.1				
05/29/2014	00:46:40	1	0.0	8.32	0.1				
05/29/2014	00:48:20	1	0.0	8.32	0.1				
05/29/2014	00:50:00	0	0.0	8.33	0.1				
05/29/2014	00:51:40	1	0.0	8.32	0.1				
05/29/2014	00:53:20	-0	0.0	8.32	0.1				
05/29/2014	00:55:00	1	0.0	8.33	0.2				
05/29/2014	00:56:40	-0	0.0	8.32	0.2				
05/29/2014	00:58:20	0	0.0	8.32	0.2				
05/29/2014	01:00:00	1	0.0	8.32	0.2				
05/29/2014	01:01:40	0	0.0	8.33	0.2				
05/29/2014	01:03:20	1	0.0	8.32	0.2				
05/29/2014	01:05:00	1	0.0	8.32	0.2				
05/29/2014	01:06:40	1	0.0	8.32	0.2				
05/29/2014	01:08:20	-0	0.0	8.32	0.2				
05/29/2014	01:10:00	1	0.0	8.32	0.2				
05/29/2014	01:11:40	76	0.0	12.04	0.4				
05/29/2014	01:13:20	27	0.0	11.77	3.7				
05/29/2014	01:15:00					Low Test 1157 psi = Good			
05/29/2014	01:15:00	31	0.0	11.77	3.7				
05/29/2014	01:15:01					High Test 5306 psi = Good			
05/29/2014	01:15:01	31	0.0	11.77	3.7				
05/29/2014	01:16:40	1150	0.0	11.75	3.8				
05/29/2014	01:18:20	5305	0.0	11.76	3.8				
05/29/2014	01:20:00	15	0.1	11.72	3.8				
05/29/2014	01:21:40	23	0.0	11.72	3.8				
05/29/2014	01:23:20	24	0.0	11.72	3.8				
05/29/2014	01:25:00	512	3.3	11.52	4.8				
05/29/2014	01:26:40	71	3.5	11.57	10.4				
05/29/2014	01:27:44					Start Pumping Spacer			
05/29/2014	01:27:44	66	3.5	11.58	14.1				
05/29/2014	01:27:49					Pump 30 bbls Of 11.5 ppg Mudpush			
05/29/2014	01:27:49	68	3.5	11.57	14.4				
05/29/2014	01:27:50					Good Returns			
05/29/2014	01:27:50	67	3.5	11.57	14.5				
05/29/2014	01:28:00					Start Mixing Lead Slurry			
05/29/2014	01:28:00					End Lead Slurry			
05/29/2014	01:28:00	65	3.5	11.57	15.0				
05/29/2014	01:28:20	64	3.5	11.54	16.2				
05/29/2014	01:30:00	392	3.3	11.51	21.8				
05/29/2014	01:31:40	200	2.6	11.60	26.7				
05/29/2014	01:32:42					Start Mixing Tail Slurry			
05/29/2014	01:32:42	150	2.6	13.44	29.4				
05/29/2014	01:33:20	132	2.6	13.25	31.0				
05/29/2014	01:34:45					Pump 144 bbls Of 13.5 ppg Cement			
05/29/2014	01:34:45					500 sks Y=1.63			
05/29/2014	01:34:45					Wet Dry Sample			
05/29/2014	01:34:45	134	2.7	13.22	34.7				
05/29/2014	01:34:46					Weight 13.5 ppg			

Well Razor Federal 26J-3509A 26J-3509A			Field		Job Start May/29/2014	Customer Whiting		Job Number 1968697
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
05/29/2014	01:34:46	134	2.7	13.22	34.8			
05/29/2014	01:35:00	123	2.7	13.24	35.4			
05/29/2014	01:35:24					Water Sample # 006561		
05/29/2014	01:35:24	128	2.9	13.19	36.5			
05/29/2014	01:35:25					Good Returns		
05/29/2014	01:35:25	128	2.9	13.20	36.5			
05/29/2014	01:36:40	174	3.3	13.26	40.6			
05/29/2014	01:38:20	153	3.3	13.28	46.1			
05/29/2014	01:40:00	160	3.3	13.47	51.7			
05/29/2014	01:41:40	193	3.3	13.49	57.3			
05/29/2014	01:43:20	155	3.3	13.51	62.9			
05/29/2014	01:45:00	162	3.3	13.54	68.4			
05/29/2014	01:46:40	162	3.3	13.50	74.0			
05/29/2014	01:48:20	177	3.3	13.50	79.6			
05/29/2014	01:50:00	184	3.3	13.52	85.1			
05/29/2014	01:51:40	174	3.3	13.52	90.7			
05/29/2014	01:53:20	161	3.3	13.54	96.3			
05/29/2014	01:55:00	187	3.3	13.54	101.8			
05/29/2014	01:56:40	193	3.3	13.51	107.4			
05/29/2014	01:58:20	157	3.4	13.40	113.0			
05/29/2014	02:00:00	178	3.3	13.47	118.6			
05/29/2014	02:01:40	166	3.3	13.57	124.2			
05/29/2014	02:03:20	176	3.3	13.56	129.7			
05/29/2014	02:05:00	192	3.3	13.54	135.3			
05/29/2014	02:06:40	183	3.4	13.53	140.9			
05/29/2014	02:08:20	167	3.3	13.51	146.5			
05/29/2014	02:10:00	188	3.3	13.51	152.1			
05/29/2014	02:11:40	190	3.3	13.53	157.6			
05/29/2014	02:13:20	169	3.3	13.56	163.2			
05/29/2014	02:15:00	181	3.3	13.57	168.8			
05/29/2014	02:16:40	184	3.3	13.53	174.4			
05/29/2014	02:17:00					End Tail Slurry		
05/29/2014	02:17:00	214	3.4	13.54	175.5			
05/29/2014	02:17:01					Shut Down		
05/29/2014	02:17:01	179	3.4	13.54	175.5			
05/29/2014	02:18:20	56	0.0	13.60	177.4			
05/29/2014	02:20:00	53	0.0	13.60	177.4			
05/29/2014	02:21:40	51	0.0	13.60	177.4			
05/29/2014	02:23:20	49	0.0	13.60	177.4			
05/29/2014	02:24:00					Wash Up		
05/29/2014	02:24:00					Move Mudpush Over		
05/29/2014	02:24:00					To Average Tub		
05/29/2014	02:24:00	47	0.0	13.60	177.4			
05/29/2014	02:25:00	50	1.3	8.85	177.7			
05/29/2014	02:26:40	80	3.3	9.14	182.3			
05/29/2014	02:28:20	17	0.0	3.84	186.7			
05/29/2014	02:30:00	75	3.3	9.07	189.3			
05/29/2014	02:31:40	12	0.0	8.19	193.5			
05/29/2014	02:33:20	12	0.0	8.42	195.4			
05/29/2014	02:35:00	13	0.0	8.34	198.3			
05/29/2014	02:36:40	13	0.0	8.34	198.3			
05/29/2014	02:38:20	83	3.0	10.86	201.9			
05/29/2014	02:40:00	16	0.0	10.83	202.8			
05/29/2014	02:41:40	17	0.0	10.82	202.8			

Well		Field		Job Start		Customer		Job Number	
Razor Federal 26J-3509A 26J-3509A				May/29/2014		Whiting		1968697	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
05/29/2014	02:42:58					Start Displacement			
05/29/2014	02:42:58	122	4.4	8.35	204.5				
05/29/2014	02:43:20	122	4.4	8.35	206.1				
05/29/2014	02:45:00	106	4.0	8.34	213.9				
05/29/2014	02:46:40	448	3.3	8.34	219.1				
05/29/2014	02:48:20	685	3.3	8.34	224.6				
05/29/2014	02:50:00	533	2.1	8.34	229.9				
05/29/2014	02:51:40	590	2.1	8.34	233.3				
05/29/2014	02:53:20	695	2.1	8.34	236.8				
05/29/2014	02:53:42					Displace 146 bbls Of Brine			
05/29/2014	02:53:42	994	3.3	8.34	237.7				
05/29/2014	02:55:00	1077	3.3	8.34	241.9				
05/29/2014	02:56:40	1181	3.3	8.34	247.4				
05/29/2014	02:58:20	1196	3.3	8.34	252.9				
05/29/2014	03:00:00	1210	3.3	8.34	258.3				
05/29/2014	03:01:40	1211	3.3	8.34	263.8				
05/29/2014	03:03:20	1194	3.3	8.34	269.2				
05/29/2014	03:05:00	1223	3.3	8.34	274.7				
05/29/2014	03:06:40	1189	3.3	8.34	280.1				
05/29/2014	03:08:20	1184	3.3	8.34	285.6				
05/29/2014	03:10:00	1213	3.3	8.34	291.0				
05/29/2014	03:11:40	1177	3.3	8.34	296.5				
05/29/2014	03:13:20	1216	3.3	8.34	302.0				
05/29/2014	03:15:00	1183	3.3	8.34	307.4				
05/29/2014	03:16:40	1226	3.3	8.34	312.9				
05/29/2014	03:18:20	1270	3.3	8.34	318.3				
05/29/2014	03:20:00	1253	3.3	10.29	323.8				
05/29/2014	03:21:40	874	2.1	8.34	329.0				
05/29/2014	03:23:20	904	2.1	8.34	332.5				
05/29/2014	03:25:00	891	2.1	8.34	335.9				
05/29/2014	03:26:40	890	2.1	8.34	339.4				
05/29/2014	03:28:20	927	2.1	8.34	342.8				
05/29/2014	03:30:00	941	2.1	8.34	346.3				
05/29/2014	03:31:40	939	2.1	8.34	349.7				
05/29/2014	03:32:00					Pump 5 bbls Of Mudpush			
05/29/2014	03:32:00	960	2.1	8.34	350.4				
05/29/2014	03:32:42					Bump Top Plug To 1684 psi			
05/29/2014	03:32:42	1605	0.0	8.34	351.6				
05/29/2014	03:32:46					Final Circulating psi 970			
05/29/2014	03:32:46	1741	0.0	8.34	351.6				
05/29/2014	03:32:47					Flosta Held			
05/29/2014	03:32:47					1 bbl Back			
05/29/2014	03:32:47					Good Returns Throughout Job			
05/29/2014	03:32:47	1615	0.0	8.34	351.6				
05/29/2014	03:33:20	1686	0.0	8.34	351.6				
05/29/2014	03:35:00	15	0.0	8.34	351.6				
05/29/2014	03:36:40	532	1.5	8.34	351.8				
05/29/2014	03:36:54					Set Packer			
05/29/2014	03:36:54	539	0.0	8.34	351.9				
05/29/2014	03:38:20	228	0.0	8.34	351.9				
05/29/2014	03:40:00	122	0.0	8.34	351.9				
05/29/2014	03:41:40	25	0.0	8.34	351.9				
05/29/2014	03:43:20	15	0.3	8.34	352.3				
05/29/2014	03:45:00	46	1.1	8.34	352.4				

Well		Field			Job Start	Customer	Job Number
Razor Federal 26J-3509A 26J-3509A					May/29/2014	Whiting	1968697
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
05/29/2014	03:47:56					Test Packer 2500 psi	
05/29/2014	03:47:56					Good Test	
05/29/2014	03:47:56	937	1.0	8.35	355.0		
05/29/2014	03:48:20	1930	1.2	8.35	355.4		
05/29/2014	03:50:00	2436	0.0	8.35	355.7		
05/29/2014	03:51:40	2416	0.0	8.35	355.7		
05/29/2014	03:53:20	2400	0.0	8.35	355.7		
05/29/2014	03:55:00	2385	0.0	8.35	355.7		
05/29/2014	03:56:40	12	0.0	8.35	355.7		
05/29/2014	03:58:20	17	0.0	8.35	355.7		
05/29/2014	03:59:00					Pull Out Of Liner	
05/29/2014	03:59:00	17	0.0	8.35	355.7		
05/29/2014	04:00:00	409	1.8	8.57	355.9		
05/29/2014	04:01:00					Roll Hole	
05/29/2014	04:01:00	575	0.0	8.60	356.1		
05/29/2014	04:01:40	574	0.0	8.57	356.1		
05/29/2014	04:03:20	704	3.3	8.51	358.7		
05/29/2014	04:05:00	997	4.5	8.33	366.4		
05/29/2014	04:06:40	1501	6.4	8.31	375.7		
05/29/2014	04:08:20	1508	6.3	8.34	386.4		
05/29/2014	04:10:00	1459	6.3	8.33	397.0		
05/29/2014	04:11:40	1457	6.4	8.33	407.6		
05/29/2014	04:13:20	1403	6.4	8.29	418.2		
05/29/2014	04:15:00	1340	6.4	8.29	428.8		
05/29/2014	04:16:40	1338	6.3	8.33	439.4		
05/29/2014	04:18:20	18	3.5	8.33	449.9		
05/29/2014	04:20:00	144	0.0	8.34	450.1		
05/29/2014	04:21:40	253	1.8	8.34	451.4		
05/29/2014	04:23:20	113	0.0	8.34	452.6		
05/29/2014	04:25:00	144	1.0	8.34	453.0		
05/29/2014	04:26:40	336	3.0	8.34	456.2		
05/29/2014	04:28:20	319	3.0	8.33	461.2		
05/29/2014	04:30:00	279	3.0	8.34	466.2		
05/29/2014	04:31:40	262	3.0	8.32	471.2		
05/29/2014	04:33:20	282	3.0	8.34	476.2		
05/29/2014	04:35:00	278	3.0	8.34	481.2		
05/29/2014	04:36:40	293	3.0	8.34	486.2		
05/29/2014	04:37:46					Pump 150 bbls Of Fresh Water	
05/29/2014	04:37:46					10 bbls Of Cement To Surface	
05/29/2014	04:37:46					Rig Down	
05/29/2014	04:37:46					End Job	
05/29/2014	04:37:46	255	3.0	8.34	489.5		
05/29/2014	04:38:20	24	1.2	8.34	491.1		
05/29/2014	04:40:00	18	0.0	8.33	491.2		
05/29/2014	04:41:40	134	4.4	8.34	494.5		
05/29/2014	04:43:20	206	6.0	8.33	504.0		
05/29/2014	04:45:00	10	0.0	8.33	506.9		
05/29/2014	04:46:40	23	0.0	8.32	506.9		

Well Razor Federal 26J-3509A 26J-3509A	Field	Job Start May/29/2014	Customer Whiting	Job Number 1968697
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Post Job Summary

Average Pump Rates,					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry 144.0	Mud	Spacer 30.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 5000	Final 970	Average	Bump Plug to 1684	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 144.0 bbl	Displacement 146.0 bbl	Mix Water Temp 75 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 10.0 bbl			
				Washed Thru Perfs <input type="checkbox"/>	To			
Customer or Authorized Representative Lewis Young			Schlumberger Supervisor Justin Zika		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
				-	-			