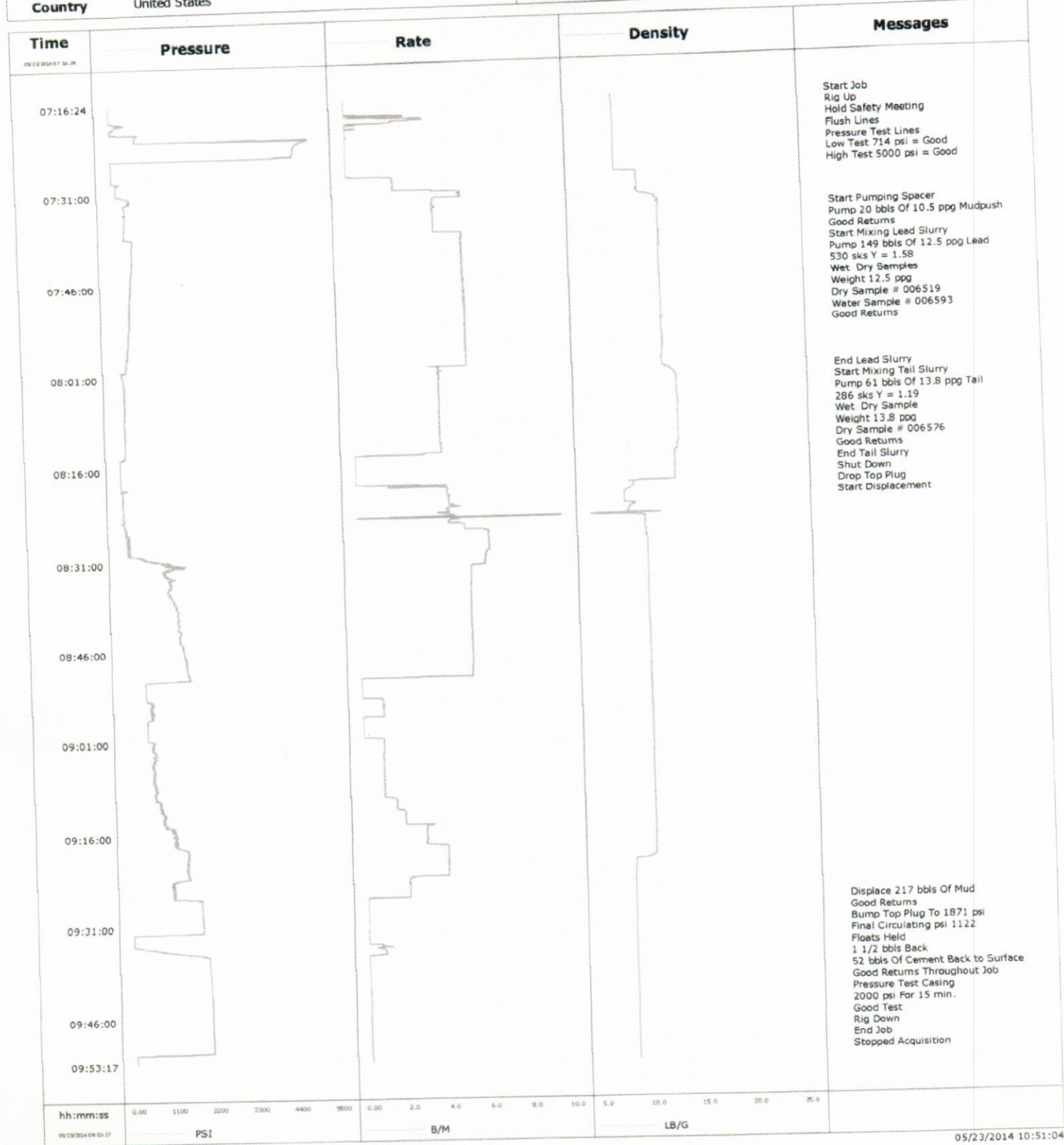




Cementing Job Report

Well	Razor Federal 26J-2000 3509 A	Client	Whiting
Field	Wildcat	SIR No.	
Engineer	Justin Zika	Job Type	Intermediate
Country	United States	Job Date	05-23-2014





Cementing Service Report

Well Razor Federal 26J-23000 26J-2300A		Location (legal) Cheyenne, WY		Customer Whiting		Job Number 1939998			
Field Wildcat		Formation Name/Type Shale		Schlumberger Location Cheyenne, WY		Job Start May/23/2014			
County Weld		State/Province Colorado		Deviation		Well TVD 5579.0 ft			
Well Master 0631496880		API/UWI S123380440000		Bit Size 8.8 in		Well MD 6008.0 ft			
Rig Name Xtreme 18		Drilled For Oil		Service Via Land		BHP 187 degF			
Offshore Zone		Well Class New		Well Type Development		BHTC 148 degF			
Drilling Fluid Type		Max. Density		Plastic Viscosity		Pore Press. Gradient			
Service Line Cementing		Job Type Intermediate		Casing/Liner					
Max. Allowed Tub. Press 5000 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole			
Service Instructions Rig Up Hold Safety Meeting Flush Lines Pressure Test Lines Pump 20 bbls Of 10.5 ppg Mudpush Pump 149 bbls Of 12.5 ppg Lead Pump 61 bbls Of 13.8 ppg Tail Shut Down/ Drop Plug Displace		Depth, ft		Size, in		Weight, lb/ft			
		5998.0		7.000		29.0			
		0.0		0.000		0.0			
		Depth,		Size,		Weight,		Grade	
		Treat Down Casing		Displacement 221.0 bbl		Packer Type		Packer Depth	
Tubing Vol.		Casing Vol. 223.0 bbl		Annular Vol. 165.0 bbl		Openhole Vol. 393.0 bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools					
Lift Pressure 4520 psi		Pipe Rotated <input type="checkbox"/>		Shoe Type Float		Squeeze Job			
Pipe Reciprocated <input type="checkbox"/>		No. Centralizers		Shoe Depth 5998.0 ft		Squeeze Type			
Top Plugs 1		Bottom Plugs		Stage Tool Type		Tool Type			
Cement Head Type Single		Job Scheduled For May/23/2014 19:30		Stage Tool Depth		Tool Depth			
Arrived on Location May/23/2014 04:30		Leave Location May/23/2014 11:30		Collar Type Float		Tail Pipe Size			
Date		Time 24-hr clock		Collar Depth 5951.0 ft		Tail Pipe Depth			
Treating Pressure PSI		Flow Rate B/M		Density LB/G		Volume BBL			
05/23/2014		07:01:33				Message			
05/23/2014		07:16:24		2		0.0			
05/23/2014		07:16:26		2		0.0			
05/23/2014		07:16:26		3		0.0			
05/23/2014		07:16:33				Started Acquisition			
05/23/2014		07:16:36				Start Job			
05/23/2014		07:16:36				Rig Up			
05/23/2014		07:16:36				Hold Safety Meeting			
05/23/2014		07:16:36		3		0.0			
05/23/2014		07:16:36				Flush Lines			
05/23/2014		07:16:40		2		0.0			
05/23/2014		07:16:40				Pressure Test Lines			
05/23/2014		07:16:43				Low Test 714 psi = Good			
05/23/2014		07:16:43				High Test 5000 psi = Good			
05/23/2014		07:16:43		2		0.0			
05/23/2014		07:18:13		1		0.0			
05/23/2014		07:19:53		156		2.5			
05/23/2014		07:21:33		698		0.0			
05/23/2014		07:23:13		5033		0.0			
05/23/2014		07:24:53		4903		0.0			
05/23/2014		07:26:33		29		0.0			
05/23/2014		07:28:13		29		0.0			

Well		Field	Job Start	Customer	Job Number	
3509A Razor Federal 26J-2900A 26J-2999A		Wildcat	May/23/2014	Whiting	1939998	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
05/23/2014	07:31:33	489	5.6	10.53	10.4	
05/23/2014	07:33:13	356	4.2	12.24	18.7	
05/23/2014	07:34:33					Start Pumping Spacer
05/23/2014	07:34:33	348	4.2	12.53	24.2	
05/23/2014	07:34:36					Pump 20 bbls Of 10.5 ppg Mudpush
05/23/2014	07:34:36					Good Returns
05/23/2014	07:34:36	351	4.2	12.51	24.5	
05/23/2014	07:34:53	357	4.2	12.50	25.6	
05/23/2014	07:34:57					Start Mixing Lead Slurry
05/23/2014	07:34:57	354	4.2	12.51	25.9	
05/23/2014	07:35:03					Pump 149 bbls Of 12.5 ppg Lead
05/23/2014	07:35:03					530 sks Y = 1.58
05/23/2014	07:35:03					Wet Dry Samples
05/23/2014	07:35:03					Weight 12.5 ppg
05/23/2014	07:35:03					Dry Sample # 006519
05/23/2014	07:35:03					Water Sample # 006593
05/23/2014	07:35:03					Good Returns
05/23/2014	07:35:03	345	4.2	12.52	26.3	
05/23/2014	07:36:33	332	4.2	12.44	32.6	
05/23/2014	07:38:13	518	5.6	12.52	39.8	
05/23/2014	07:39:53	528	5.5	12.53	49.1	
05/23/2014	07:41:33	519	5.5	12.52	58.3	
05/23/2014	07:43:13	500	5.5	12.49	67.6	
05/23/2014	07:44:53	453	5.5	12.49	76.8	
05/23/2014	07:46:33	445	5.6	12.51	86.1	
05/23/2014	07:48:13	415	5.6	12.52	95.4	
05/23/2014	07:49:53	394	5.6	12.51	104.7	
05/23/2014	07:51:33	404	5.6	12.51	114.0	
05/23/2014	07:53:13	368	5.6	12.52	123.3	
05/23/2014	07:54:53	351	5.6	12.52	132.7	
05/23/2014	07:56:33	332	5.6	12.55	142.0	
05/23/2014	07:58:13	282	5.6	12.51	151.3	
05/23/2014	07:59:53	152	4.4	12.39	160.6	
05/23/2014	08:00:39					End Lead Slurry
05/23/2014	08:00:39	137	4.2	12.70	163.8	
05/23/2014	08:01:33	169	4.2	13.49	167.6	
05/23/2014	08:01:57					Start Mixing Tail Slurry
05/23/2014	08:01:57	177	4.2	13.61	169.3	
05/23/2014	08:02:02					Pump 61 bbls Of 13.8 ppg Tail
05/23/2014	08:02:02					286 sks Y = 1.19
05/23/2014	08:02:02					Wet Dry Sample
05/23/2014	08:02:02					Weight 13.8 ppg
05/23/2014	08:02:02					Dry Sample # 006576
05/23/2014	08:02:02					Good Returns
05/23/2014	08:02:02	179	4.2	13.65	169.7	
05/23/2014	08:03:13	186	4.2	13.77	174.6	
05/23/2014	08:04:53	182	4.2	13.73	181.6	
05/23/2014	08:06:33	186	4.2	13.84	188.6	
05/23/2014	08:08:13	182	4.2	13.82	195.6	
05/23/2014	08:09:53	179	4.2	13.84	202.6	
05/23/2014	08:11:33	180	4.2	13.84	209.7	
05/23/2014	08:13:13	175	4.3	13.70	216.7	
05/23/2014	08:14:19					End Tail Slurry
05/23/2014	08:14:19	10	0.6	13.41	220.9	

Well		Field	Job Start	Customer	Job Number	
3509A Razor Federal 26J-2400A-26J-2300A		Wildcat	May/23/2014	Whiting	1039998	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
05/23/2014	08:14:21	15	0.1	13.40	220.9	
05/23/2014	08:14:23					Drop Top Plug
05/23/2014	08:14:23	16	0.0	13.40	220.9	
05/23/2014	08:14:26					Start Displacement
05/23/2014	08:14:26	16	0.0	13.40	220.9	
05/23/2014	08:14:53	17	0.0	13.39	220.9	
05/23/2014	08:16:33	19	0.0	13.38	220.9	
05/23/2014	08:18:13	20	0.0	13.38	220.9	
05/23/2014	08:19:53	68	4.5	9.21	223.5	
05/23/2014	08:21:33	68	4.5	8.34	231.0	
05/23/2014	08:23:13	76	4.4	9.00	238.7	
05/23/2014	08:24:53	89	4.7	10.31	246.5	
05/23/2014	08:26:33	125	6.3	10.27	254.9	
05/23/2014	08:28:13	146	6.4	10.39	265.6	
05/23/2014	08:29:53	263	6.4	10.46	276.3	
05/23/2014	08:31:33	1509	6.2	10.46	286.7	
05/23/2014	08:33:13	1241	5.5	10.46	296.3	
05/23/2014	08:34:53	1249	5.5	10.47	305.5	
05/23/2014	08:36:33	1314	5.5	10.46	314.6	
05/23/2014	08:38:13	1417	5.5	10.47	323.8	
05/23/2014	08:39:53	1455	5.5	10.47	333.0	
05/23/2014	08:41:33	1450	5.5	10.47	342.1	
05/23/2014	08:43:13	1483	5.5	10.47	351.3	
05/23/2014	08:44:53	1562	5.5	10.48	360.4	
05/23/2014	08:46:33	1579	5.5	10.47	369.5	
05/23/2014	08:48:13	1638	5.5	10.47	378.7	
05/23/2014	08:49:53	1697	5.5	10.47	387.8	
05/23/2014	08:51:33	518	0.0	10.48	393.4	
05/23/2014	08:53:13	535	0.0	10.48	393.5	
05/23/2014	08:54:53	661	1.0	10.48	394.1	
05/23/2014	08:56:33	647	1.0	10.48	395.9	
05/23/2014	08:58:13	538	0.0	10.48	396.7	
05/23/2014	08:59:53	546	0.0	10.48	396.8	
05/23/2014	09:01:33	655	1.0	10.49	397.6	
05/23/2014	09:03:13	689	1.0	10.48	399.2	
05/23/2014	09:04:53	679	1.0	10.48	400.9	
05/23/2014	09:06:33	677	1.0	10.49	402.6	
05/23/2014	09:08:13	754	1.0	10.49	404.2	
05/23/2014	09:09:53	730	1.0	10.49	405.9	
05/23/2014	09:11:33	854	1.6	10.48	408.3	
05/23/2014	09:13:13	936	2.0	10.48	411.3	
05/23/2014	09:14:53	1137	3.0	10.49	414.9	
05/23/2014	09:16:33	1221	3.0	10.48	419.8	
05/23/2014	09:18:13	1499	4.0	10.48	425.0	
05/23/2014	09:19:53	1556	4.0	10.45	431.8	
05/23/2014	09:21:33	1526	4.0	8.49	438.5	
05/23/2014	09:23:13	1263	2.2	8.43	444.9	
05/23/2014	09:24:53	1104	2.1	8.36	448.4	
05/23/2014	09:26:33	1627	2.1	8.35	451.9	
05/23/2014	09:26:56					Displace 217 bbls Of Mud
05/23/2014	09:26:56					Good Returns
05/23/2014	09:26:56	1851	0.0	8.36	452.1	
05/23/2014	09:27:02					Bump Top Plug To 1871 psi
05/23/2014	09:27:02	1852	0.0	8.36	452.1	

Well		Field	Job Start	Customer	Job Number	
Razor Federal 263-2300A-263-2309A		Wildcat	May/23/2014	Whiting	1939998	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/H	Density LB/G	Volume BBL	Message
05/23/2014	09:27:06	1854	0.0	8.36	452.1	
05/23/2014	09:27:07					Floats Held
05/23/2014	09:27:07					1 1/2 bbls Back
05/23/2014	09:27:07					52 bbls Of Cement Back to Surface
05/23/2014	09:27:07					Good Returns Throughout Job
05/23/2014	09:27:07	1854	0.0	8.36	452.1	
05/23/2014	09:28:13	1866	0.0	8.36	452.1	
05/23/2014	09:29:53	1879	0.0	8.36	452.2	
05/23/2014	09:31:33	1890	0.0	8.36	452.2	
05/23/2014	09:33:13	23	0.0	8.36	452.2	
05/23/2014	09:34:46					Pressure Test Casing
05/23/2014	09:34:46	797	0.7	8.36	452.7	
05/23/2014	09:34:47					2000 psi For 15 min.
05/23/2014	09:34:47					Good Test
05/23/2014	09:34:47	815	0.7	8.36	452.7	
05/23/2014	09:34:48					Rig Down
05/23/2014	09:34:48					End Job
05/23/2014	09:34:48	835	0.7	8.36	452.8	
05/23/2014	09:34:53	930	0.8	8.36	452.8	
05/23/2014	09:36:33	2043	0.0	8.36	453.6	
05/23/2014	09:38:13	2052	0.0	8.36	453.6	
05/23/2014	09:39:53	2060	0.0	8.36	453.7	
05/23/2014	09:41:33	2067	0.0	8.36	453.7	
05/23/2014	09:43:13	2073	0.0	8.36	453.7	
05/23/2014	09:44:53	2079	0.0	8.36	453.8	
05/23/2014	09:46:33	2087	0.0	8.36	453.8	
05/23/2014	09:48:13	2094	0.0	8.36	453.8	
05/23/2014	09:49:53	2100	0.0	8.36	453.9	
05/23/2014	09:51:33	1518	0.0	8.36	453.9	
05/23/2014	09:53:13	21	0.0	8.35	453.9	

Post Job Summary

Average Pump Rates,				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
				210.0		20.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
5000	1122		1871				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	52.0 bbl
	210.0 bbl	221.0 bbl	70 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative	Schlumberger Supervisor			Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>
Brady Sharp	Justin Zika						