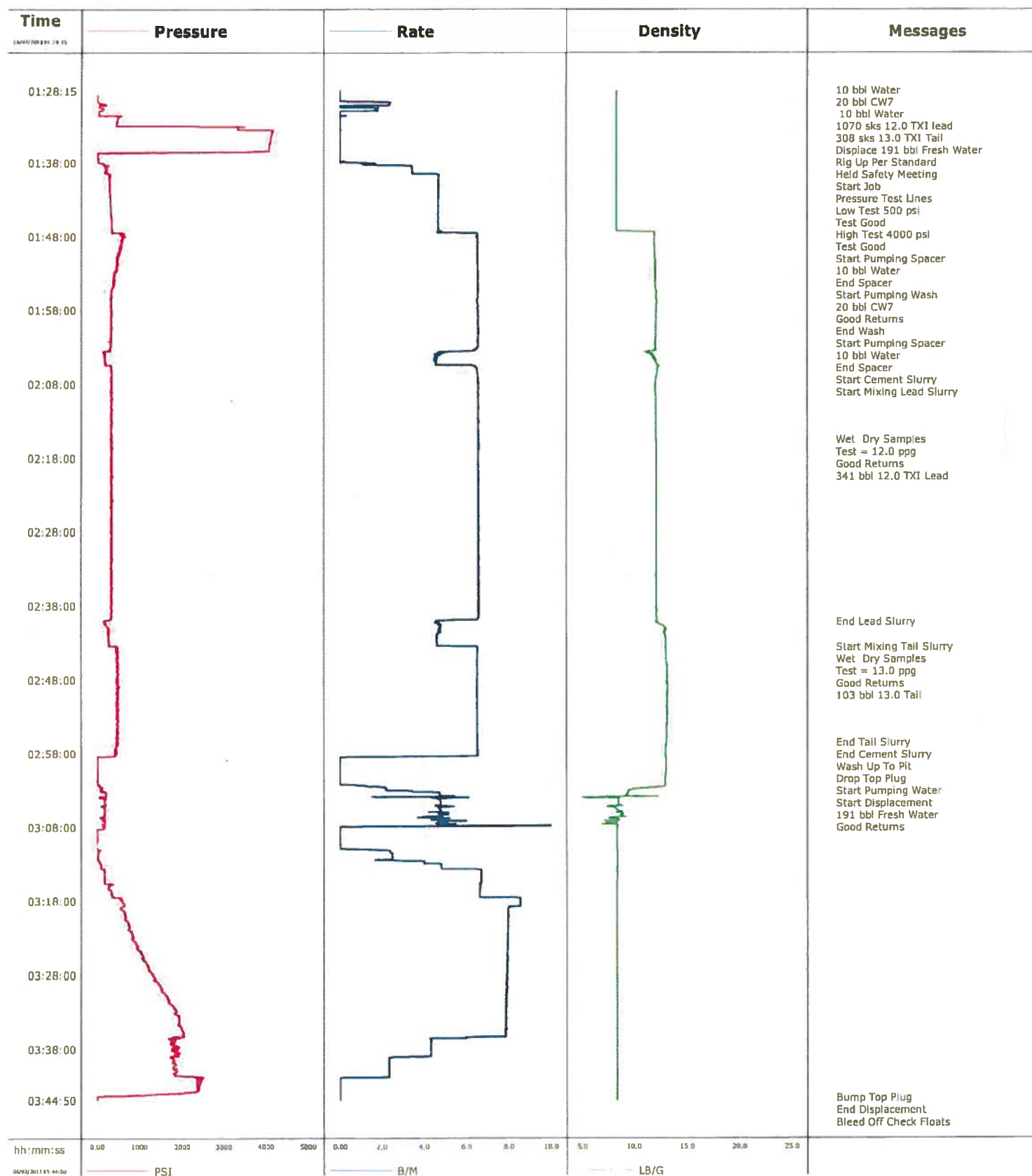


Well	Taos 1-10	Client	Nighthawk Production
Field	Wildcat	SIR No.	
Engineer	Jordan Moreland	Job Type	5 1/2 Production
Country	United States	Job Date	06-01-2013





Cementing Service Report

				Customer Nighthawk Production		Job Number CAIO-00533									
Well Taos 1-10			Location (legal)		Schlumberger Location GCO		Job Start Jun/01/2013								
Field Wildcat		Formation Name/Type		Deviation		Bit Size 7.9 in		Well MD		Well TVD					
County Lincoln		State/Province Colorado		BHP		BHST 183 degF		BHCT 148 degF		Pore Press. Gradient					
Well Master 0631451707		API/UWI 05073065200000													
Rig Name Extreme 11		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		300.0		8.630		24.0		n80		8RD	
						8296.0		5.500		17.0		n80		BUTT	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
						Depth,		Size,		Weight,		Grade		Thread	
Service Line Cementing		Job Type 5 1/2 Production													
Max. Allowed Tub. Press 4000 psi		Max. Allowed Ann. Press		WH Connection Single Cement head		Perforations/Open Hole									
						Top,		Bottom,				No. of Shots		Total Interval	
														Diameter	
						Treat Down Casing		Displacement 191.0 bbl		Packer Type		Packer Depth			
						Tubing Vol.		Casing Vol. 193.0 bbl		Annular Vol. 257.0 bbl		Openhole Vol. 451.0 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 5936 psi						Shoe Type Guide		Squeeze Type							
Pipe Rotated		<input type="checkbox"/> Pipe Reciprocated		<input checked="" type="checkbox"/>		Shoe Depth 8296.0 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 Jun/01/2013		Arrived on Location Jun/01/2013		Leave Location Jun/01/2013		Collar Type Float		Tail Pipe Depth							
						Collar Depth 8205.0 ft		Sqz. Total Vol.							
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message									
06/02/2013	00:28:00					Started Acquisition									
06/02/2013	01:28:15					10 bbl Water									
06/02/2013	01:28:15					20 bbl CW7									
06/02/2013	01:28:15					10 bbl Water									
06/02/2013	01:28:15	-48	0.0	8.32	0.0										
06/02/2013	01:28:16					1070 sks 12.0 TXI lead									
06/02/2013	01:28:16					308 sks 13.0 TXI Tail									
06/02/2013	01:28:16					Displace 191 bbl Fresh Water									
06/02/2013	01:28:16					Rig Up Per Standard									
06/02/2013	01:28:16					Held Safety Meeting									
06/02/2013	01:28:16	-49	0.0	8.32	0.0										
06/02/2013	01:28:18					Start Job									
06/02/2013	01:28:18	-48	0.0	8.32	0.0										
06/02/2013	01:28:20					Pressure Test Lines									
06/02/2013	01:28:20	-48	0.0	8.32	0.0										
06/02/2013	01:28:21					Low Test 500 psi									
06/02/2013	01:28:21	-48	0.0	8.32	0.0										
06/02/2013	01:28:22					Test Good									
06/02/2013	01:28:22					High Test 4000 psi									
06/02/2013	01:28:22					Test Good									
06/02/2013	01:28:22	-48	0.0	8.32	0.0										

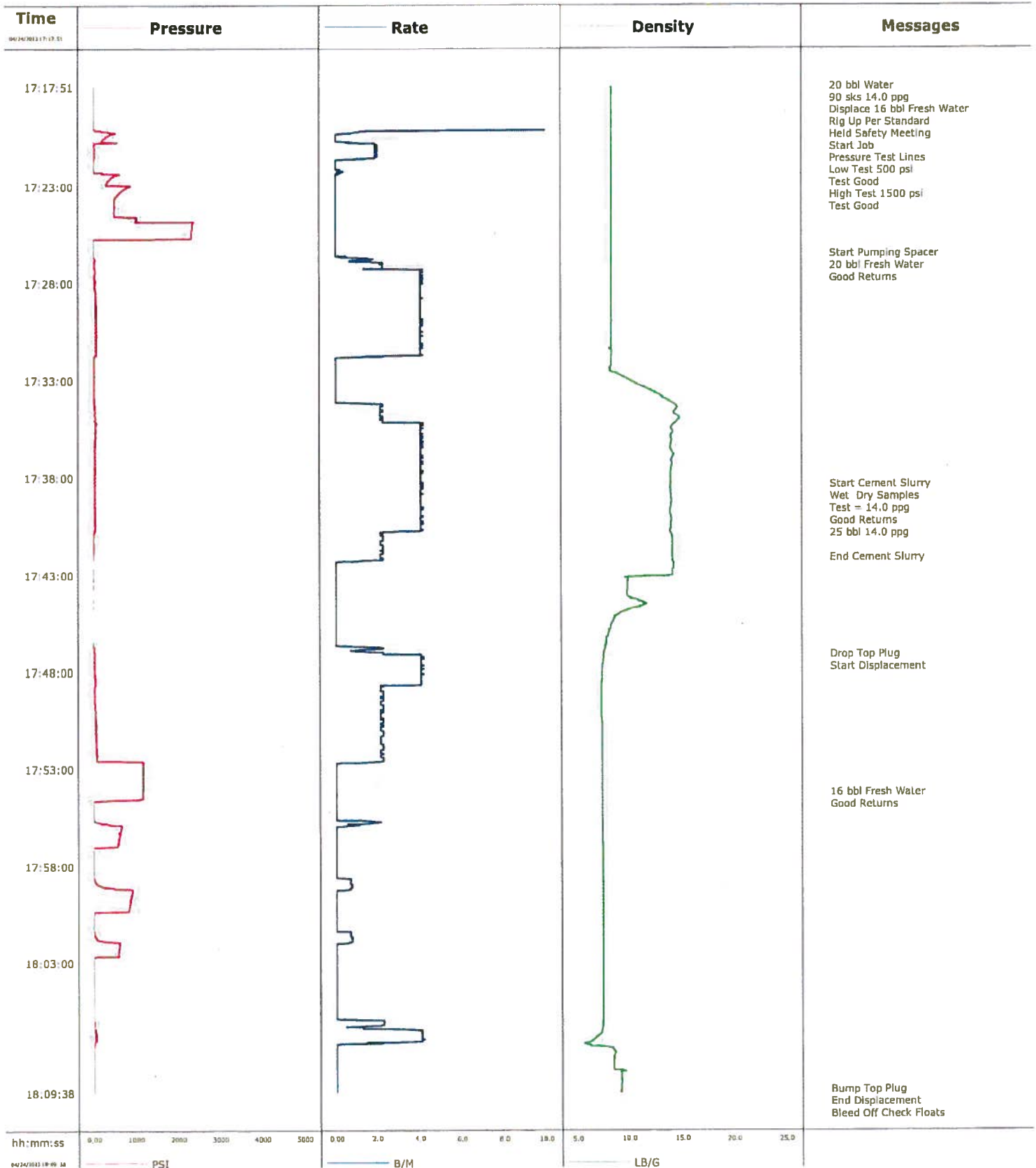
Well		Field	Job Start		Customer	Job Number
Taos 1-10		Wildcat	Jun/01/2013		Nighthawk Production	CAIO-00533
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/02/2013	01:34:40	4113	0.0	8.32	2.2	
06/02/2013	01:37:00					Start Pumping Spacer
06/02/2013	01:37:00	13	0.0	8.32	2.2	
06/02/2013	01:38:50	194	3.4	8.32	4.4	
06/02/2013	01:40:00					10 bbl Water
06/02/2013	01:40:00					End Spacer
06/02/2013	01:40:00					Start Pumping Wash
06/02/2013	01:40:00					20 bbl CW7
06/02/2013	01:40:00					Good Returns
06/02/2013	01:40:00					End Wash
06/02/2013	01:40:00	287	4.7	8.32	9.1	
06/02/2013	01:43:00	311	4.7	8.32	23.1	
06/02/2013	01:45:00					Start Pumping Spacer
06/02/2013	01:45:00					10 bbl Water
06/02/2013	01:45:00					End Spacer
06/02/2013	01:45:00	325	4.7	8.32	32.5	
06/02/2013	01:47:10	358	4.7	8.31	42.6	
06/02/2013	01:48:00					Start Cement Slurry
06/02/2013	01:48:00	595	6.5	11.89	47.4	
06/02/2013	01:50:00					Start Mixing Lead Slurry
06/02/2013	01:50:00	519	6.6	11.92	60.5	
06/02/2013	01:51:20	478	6.6	11.96	69.3	
06/02/2013	01:55:30	333	6.6	12.09	96.6	
06/02/2013	01:59:40	323	6.6	12.04	124.0	
06/02/2013	02:03:50	168	4.7	11.53	150.9	
06/02/2013	02:08:00	342	6.6	11.99	175.0	
06/02/2013	02:12:10	317	6.6	12.01	202.4	
06/02/2013	02:15:34					Wet Dry Samples
06/02/2013	02:15:34	340	6.6	12.05	224.8	
06/02/2013	02:15:35					Test = 12.0 ppg
06/02/2013	02:15:35					Good Returns
06/02/2013	02:15:35					341 bbl 12.0 TXI Lead
06/02/2013	02:15:35	339	6.6	12.05	224.9	
06/02/2013	02:16:20	342	6.6	12.06	229.8	
06/02/2013	02:20:30	346	6.6	12.07	257.3	
06/02/2013	02:24:40	332	6.6	12.07	284.7	
06/02/2013	02:28:50	345	6.6	12.08	312.1	
06/02/2013	02:33:00	342	6.6	12.06	339.5	
06/02/2013	02:37:10	342	6.6	12.06	367.0	
06/02/2013	02:40:14					End Lead Slurry
06/02/2013	02:40:14	197	4.6	12.09	386.5	
06/02/2013	02:41:20	284	4.8	12.86	391.7	
06/02/2013	02:43:36					Start Mixing Tail Slurry
06/02/2013	02:43:36	463	6.5	12.95	402.4	
06/02/2013	02:43:38					Wet Dry Samples
06/02/2013	02:43:38					Test = 13.0 ppg
06/02/2013	02:43:38	466	6.5	12.95	402.7	
06/02/2013	02:43:39					Good Returns
06/02/2013	02:43:39					103 bbl 13.0 Tail
06/02/2013	02:43:39	463	6.5	12.95	402.8	
06/02/2013	02:45:30	478	6.5	13.00	414.8	
06/02/2013	02:49:40	512	6.5	13.09	441.9	
06/02/2013	02:53:50	480	6.5	13.05	469.1	
06/02/2013	02:56:33					End Tail Slurry

Well			Field	Job Start		Customer	Job Number
Taos 1-10			Wildcat	Jun/01/2013		Nighthawk Production	CAIO-00533
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
06/02/2013	02:56:35					End Cement Slurry	
06/02/2013	02:56:35	496	6.5	13.03	487.0		
06/02/2013	02:56:36					Wash Up To Pit	
06/02/2013	02:56:36	496	6.5	13.03	487.1		
06/02/2013	02:56:37					Drop Top Plug	
06/02/2013	02:56:37	479	6.5	13.03	487.2		
06/02/2013	02:56:38					Start Pumping Water	
06/02/2013	02:56:38					Start Displacement	
06/02/2013	02:56:38	480	6.5	13.03	487.3		
06/02/2013	02:56:39					191 bbl Fresh Water	
06/02/2013	02:56:39					Good Returns	
06/02/2013	02:56:39	449	6.5	13.03	487.4		
06/02/2013	02:58:00	427	6.5	12.92	496.2		
06/02/2013	03:02:10	38	0.0	12.91	499.0		
06/02/2013	03:06:20	165	4.8	8.79	515.7		
06/02/2013	03:10:30	-2	0.0	8.33	523.1		
06/02/2013	03:14:40	178	6.7	8.34	538.7		
06/02/2013	03:18:50	555	8.0	8.32	568.9		
06/02/2013	03:23:00	853	7.9	8.32	602.0		
06/02/2013	03:27:10	1229	7.9	8.32	635.0		
06/02/2013	03:31:20	1690	7.8	8.32	667.8		
06/02/2013	03:35:30	2012	7.8	8.32	700.5		
06/02/2013	03:39:40	1831	2.3	8.32	720.6		
06/02/2013	03:43:50	2157	0.0	8.32	725.6		
06/02/2013	03:44:39					Bump Top Plug	
06/02/2013	03:44:39	-0	0.0	8.32	725.6		
06/02/2013	03:44:41					End Displacement	
06/02/2013	03:44:41	-0	0.0	8.32	725.6		
06/02/2013	03:44:42					Bleed Off Check Floats	
06/02/2013	03:44:42					Floats Held	
06/02/2013	03:44:42					2 bbl Back	
06/02/2013	03:44:42	-0	0.0	8.32	725.6		
06/02/2013	03:44:43					20 bbl Cement To Surface	
06/02/2013	03:44:43					Rig Down	
06/02/2013	03:44:43	-1	0.0	8.32	725.6		
06/02/2013	03:44:44					End Job	
06/02/2013	03:44:44	1	0.0	8.32	725.6		

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			
						65 degF			
				Cement Circulated to Surface?		<input checked="" type="checkbox"/>	Volume		
				Washed Thru Perfs		<input type="checkbox"/>	To		
Customer or Authorized Representative				Circulation Lost		<input type="checkbox"/>	Job Completed		
Jim Weir				Schlumberger Supervisor		<input checked="" type="checkbox"/>			
				Jordan Moreland					

Well	TAOS 1-10	Client	Nighthawk
Field	Wildcat	SIR No.	
Engineer	Jordan Moreland	Job Type	8 5/8 Surface
Country	United States	Job Date	04-24-2013





Cementing Service Report

				Customer Nighthawk		Job Number C1YY-00007	
Well TAOS 1-10			Location (legal)		Schlumberger Location GCO		Job Start Apr/24/2013
Field Wildcat		Formation Name/Type		Deviation	Bit Size 11.0 in	Well MD	Well TVD
County		State/Province Colorado		BHP	BHST 84 degF	BHCT 80 degF	Pore Press. Gradient
Well Master 0631451707		API/UWI					
Log Name SPUD		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	295.0	8.630	24.0	155
				0.0	0.000	0.0	BRD
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe		
			Depth,	Size,	Weight,	Grade	Thread
Service Line Cementing		Job Type 8 5/8 Surface					
Max. Allowed Tub. Press 1500 psi		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! 20 bbl Water 90 sks 14.0 G						Diameter	
Treat Down Casing		Displacement 16.0 bbl		Packer Type		Packer Depth	
Tubing Vol.		Casing Vol. 17.0 bbl		Annular Vol. 14.0 bbl		Openhole Vol. 33.0 bbl	
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job	
Jft Pressure 123 psi		Shoe Type Guide		Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 300.0 ft		Tool Type	
No. Centralizers		Top Plugs	Bottom Plugs		Stage Tool Type		Tool Depth
Cement Head Type Single		Stage Tool Depth		Tail Pipe Size			
Job Scheduled For Apr/24/2013		Arrived on Location Apr/24/2013		Leave Location Apr/24/2013		Collar Type Float	
						Tail Pipe Depth	
				Collar Depth 150.0 ft		Seq. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
04/24/2013	17:08:58					Started Acquisition	
04/24/2013	17:17:51					20 bbl Water	
04/24/2013	17:17:51					90 sks 14.0 ppg	
04/24/2013	17:17:51					Displace 16 bbl Fresh Water	
04/24/2013	17:17:51					Rig Up Per Standard	
04/24/2013	17:17:51					Held Safety Meeting	
04/24/2013	17:17:51	-4	25.0	8.38	0.4		
04/24/2013	17:17:53					Start Job	
04/24/2013	17:17:53	-4	25.0	8.38	1.2		
04/24/2013	17:17:54					Pressure Test Lines	
04/24/2013	17:17:54	-6	25.0	8.38	1.7		
04/24/2013	17:17:55					Low Test 500 psi	
04/24/2013	17:17:55					Test Good	
04/24/2013	17:17:55					High Test 1500 psi	
04/24/2013	17:17:55					Test Good	
04/24/2013	17:17:55	-6	25.0	8.38	2.1		
04/24/2013	17:18:58	-3	25.0	8.38	28.3		
04/24/2013	17:20:58	12	2.0	8.38	57.9		
04/24/2013	17:22:58	877	0.0	8.38	59.2		
04/24/2013	17:24:58	2356	0.0	8.38	59.2		
04/24/2013	17:26:30					Start Pumping Spacer	

Well		Field	Job Start	Customer	Job Number	
TAOS 1-10		Wildcat	Apr/24/2013	Nighthawk	C1YY-00007	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
04/24/2013	17:26:39					20 bbl Fresh Water
04/24/2013	17:26:39	-4	0.3	8.38	59.2	
04/24/2013	17:26:40					Good Returns
04/24/2013	17:26:40	-2	0.3	8.38	59.2	
04/24/2013	17:26:58	17	2.2	8.38	59.6	
04/24/2013	17:28:58	51	4.1	8.38	67.2	
04/24/2013	17:30:58	66	4.1	8.38	75.4	
04/24/2013	17:32:58	17	0.0	9.95	78.7	
04/24/2013	17:34:58	48	2.2	14.81	80.4	
04/24/2013	17:36:58	37	4.1	14.15	88.3	
04/24/2013	17:38:22					Start Cement Slurry
04/24/2013	17:38:22	37	4.1	13.96	94.0	
04/24/2013	17:38:24					Wet Dry Samples
04/24/2013	17:38:24	27	4.1	13.95	94.1	
04/24/2013	17:38:25					Test = 14.0 ppg
04/24/2013	17:38:25	28	4.1	13.95	94.2	
04/24/2013	17:38:26					Good Returns
04/24/2013	17:38:26					25 bbl 14 0 ppg
04/24/2013	17:38:26	28	4.1	13.95	94.3	
04/24/2013	17:38:58	32	4.1	14.03	96.5	
04/24/2013	17:40:58	7	2.2	14.07	104.3	
04/24/2013	17:42:05					End Cement Slurry
04/24/2013	17:42:05	-1	2.2	14.11	106.8	
04/24/2013	17:42:58	-14	0.0	14.11	107.2	
04/24/2013	17:44:58	-12	0.0	9.17	107.2	
04/24/2013	17:46:58	13	1.6	7.60	107.7	
04/24/2013	17:47:08					Drop Top Plug
04/24/2013	17:47:08	28	4.1	7.56	108.2	
04/24/2013	17:47:09					Start Displacement
04/24/2013	17:47:09	25	4.1	7.56	108.2	
04/24/2013	17:48:58	20	2.2	7.37	115.1	
04/24/2013	17:50:58	54	2.2	7.39	119.6	
04/24/2013	17:52:58	1172	0.0	7.42	123.3	
04/24/2013	17:54:13					16 bbl Fresh Water
04/24/2013	17:54:13					Good Returns
04/24/2013	17:54:13	1168	0.0	7.42	123.3	
04/24/2013	17:54:58	-4	0.0	7.42	123.3	
04/24/2013	17:56:58	566	0.0	7.43	123.8	
04/24/2013	17:58:58	111	0.8	7.45	124.0	
04/24/2013	18:00:58	-7	0.0	7.47	124.2	
04/24/2013	18:02:58	-9	0.0	7.45	124.6	
04/24/2013	18:04:58	-9	0.0	7.44	124.6	
04/24/2013	18:06:58	37	4.1	6.50	127.8	
04/24/2013	18:08:58	-7	0.0	9.17	128.4	
04/24/2013	18:09:31					Bump Top Plug
04/24/2013	18:09:31					End Displacement
04/24/2013	18:09:31	-7	0.0	9.15	128.4	
04/24/2013	18:09:33					Bleed Off Check Floats
04/24/2013	18:09:33					Rebump Floats
04/24/2013	18:09:33					Bleed Off
04/24/2013	18:09:33					Floats Held
04/24/2013	18:09:33					Wash Up Rig Down
04/24/2013	18:09:33	-7	0.0	9.14	128.4	

Well	Field	Job Start	Customer	Job Number
TAOS 1-10	Wildcat	Apr/24/2013	Nighthawk	C1YY-00007

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?	Volume		
				65 degF	Washed Thru Perfs	To		
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed		
Jim Weir			Jordan Moreland		-	-		