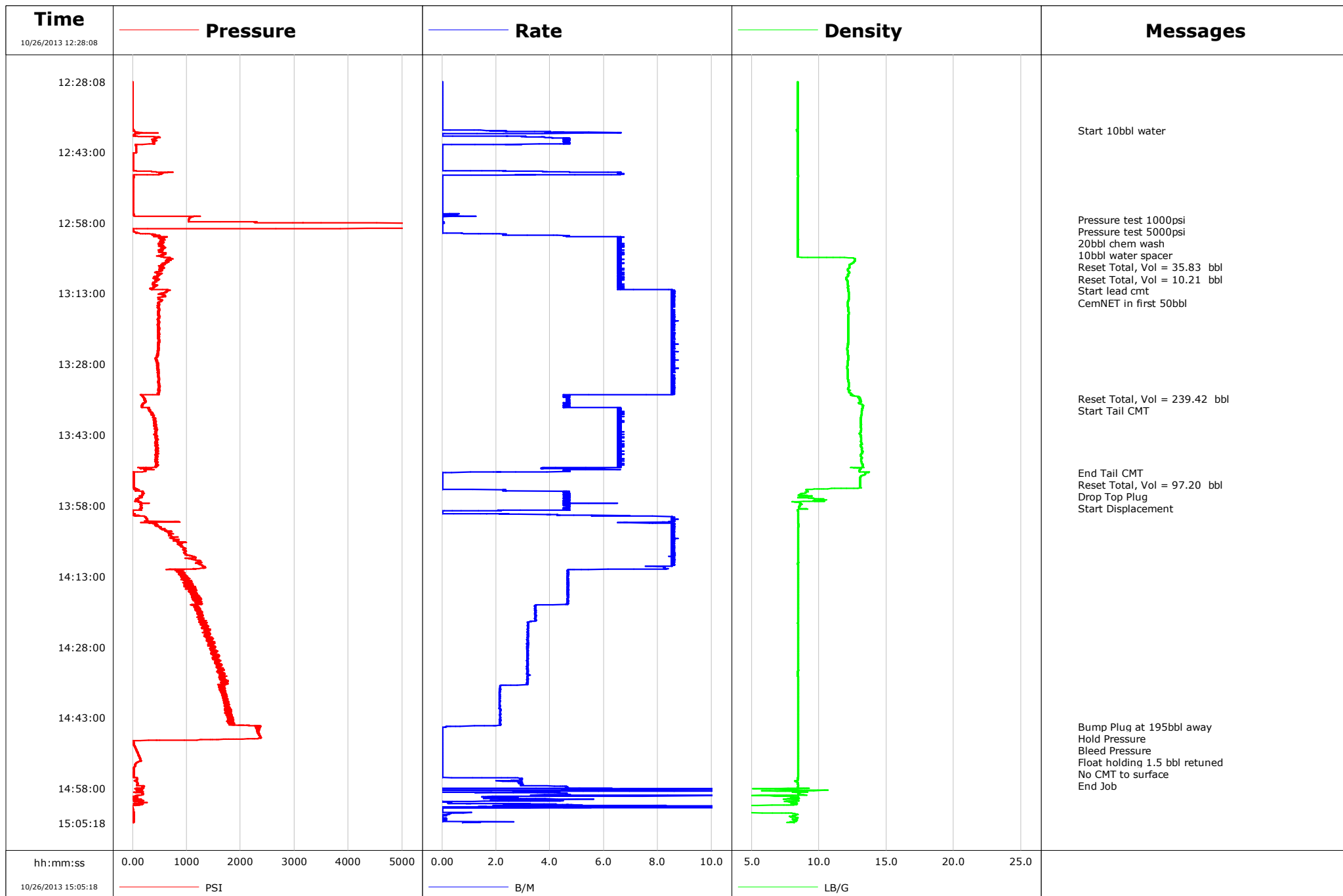


Well Big Sky
Field DJ
Engineer Chris Valerio
Country United States

Client Nighthawk
SIR No. CPU7-00004
Job Type Production
Job Date 10-26-2013



				Customer			Job Number				
				Nighthawk			CPU7-00004				
Well		Location (legal)			Schlumberger Location			Job Start			
Big Sky 12-11								Oct/26/2013			
Field		Formation Name/Type			Deviation	Bit Size	Well MD	Well TVD			
DJ					deg	7.9 in	8370.0 ft	8370.0 ft			
County		State/Province			BHP	BHST	BHCT	Pore Press. Gradient			
Lincoln		Colorado			psi	184 degF	157 degF	lb/gal			
Well Master		API/UWI									
		631486425									
Rig Name	Drilled For		Service Via		Casing/Liner						
Xtreme #11	Oil		Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class		Well Type		349.0	8.6	24.0	J55	8RD		
	New		Development		8381.0	5.5	17.0	N80	8RD		
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe						
Oil Mud		lb/gal	cP		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Service Line	Job Type				Perforations/Open Hole						
Cementing	Production				Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
					ft	ft			ft		
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection		ft	ft			Diameter		
4500 psi	psi		Single Cement head		ft	ft			in		
Service Instructions											
231bbl 724sks Lead CMT @ 12# 1.79 Yield 10gal/sk water											
95bbl 283sks Tail CMT @ 13# 1.88 Yield 9.48gal/sk water											
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				
6011 psi		Guide			8381.0 ft						
Pipe Rotated		Pipe Reciprocated			Stage Tool Type		Tool Depth				
<input type="checkbox"/>		<input checked="" type="checkbox"/>					ft				
No. Centralizers		Top Plugs	Bottom Plugs		Stage Tool Depth		Tail Pipe Size				
		1			ft		in				
Cement Head Type		Job Scheduled For			Arrived on Location		Leave Location		Collar Type	Tail Pipe Depth	
Single		Oct/26/2013 09:30			Oct/26/2013 08:30		Oct/26/2013 16:00		Float		ft
		Collar Depth			Sqz. Total Vol.						
		8289.0 ft			bbl						
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
10/26/2013	12:28:08	-3	0.0	8.42	0.0	Started Acquisition					
10/26/2013	12:33:08	-5	0.0	8.42	0.0						
10/26/2013	12:38:08	-5	0.0	8.42	0.0						
10/26/2013	12:38:23	15	0.3	8.36	0.0	Start 10bbl water					
10/26/2013	12:43:08	64	0.0	8.42	10.4						
10/26/2013	12:48:08	13	0.0	8.43	15.1						
10/26/2013	12:53:08	6	0.0	8.42	15.1						
10/26/2013	12:57:16	1042	0.0	8.42	15.3	Pressure test 1000psi					
10/26/2013	12:58:08	5204	0.1	8.42	15.3						
10/26/2013	12:58:54	5125	0.0	8.42	15.3	Pressure test 5000psi					
10/26/2013	13:01:24	504	6.5	8.42	20.2	20bbl chem wash					
10/26/2013	13:03:08	513	6.6	8.42	31.7						
10/26/2013	13:03:43	547	6.6	8.42	35.5	10bbl water spacer					
10/26/2013	13:03:46	506	6.6	8.42	35.8	Reset Total, Vol = 35.83 bbl					
10/26/2013	13:05:19	528	6.6	8.42	46.0	Reset Total, Vol = 10.21 bbl					
10/26/2013	13:05:27	696	6.6	11.89	46.9	Start lead cmt					
10/26/2013	13:08:08	507	6.5	12.13	64.6						
10/26/2013	13:13:01	530	8.6	12.19	98.3	CemNET in first 50bbl					
10/26/2013	13:13:08	505	8.5	12.19	99.3						
10/26/2013	13:18:08	493	8.5	12.17	142.0						
10/26/2013	13:23:08	496	8.6	12.16	184.6						

Well			Field		Job Start	Customer		Job Number	
Big Sky 12-11			DJ		Oct/26/2013	Nighthawk		CPU7-00004	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
10/26/2013	13:33:08	475	8.5	12.16	270.0				
10/26/2013	13:35:18	215	4.7	13.04	285.5	Reset Total, Vol = 239.42 bbl			
10/26/2013	13:35:25	211	4.6	13.02	286.0	Start Tail CMT			
10/26/2013	13:38:08	325	6.5	13.17	300.3				
10/26/2013	13:43:08	422	6.6	13.10	333.2				
10/26/2013	13:48:08	417	6.6	13.12	366.1				
10/26/2013	13:51:03	11	0.0	13.52	382.7	End Tail CMT			
10/26/2013	13:51:05	12	0.0	13.47	382.7	Reset Total, Vol = 97.20 bbl			
10/26/2013	13:51:09	12	0.0	13.44	382.7	Drop Top Plug			
10/26/2013	13:51:12	11	0.0	13.43	382.7	Start Displacement			
10/26/2013	13:53:08	11	0.0	13.06	382.7				
10/26/2013	13:58:08	148	4.6	8.58	398.1				
10/26/2013	14:03:08	574	8.5	8.43	428.7				
10/26/2013	14:08:08	963	8.5	8.43	471.3				
10/26/2013	14:13:08	906	4.7	8.43	507.8				
10/26/2013	14:18:08	1149	4.7	8.43	531.1				
10/26/2013	14:23:08	1337	3.2	8.43	549.3				
10/26/2013	14:28:08	1452	3.2	8.43	565.2				
10/26/2013	14:33:08	1580	3.2	8.43	581.1				
10/26/2013	14:38:08	1699	2.1	8.43	594.8				
10/26/2013	14:43:08	1818	2.1	8.43	605.5				
10/26/2013	14:44:52	2339	0.2	8.44	609.1	Bump Plug at 195bbl away			
10/26/2013	14:45:27	2333	0.0	8.44	609.1	Hold Pressure			
10/26/2013	14:48:08	11	0.0	8.44	609.1				
10/26/2013	14:48:13	10	0.0	8.44	609.1	Bleed Pressure			
10/26/2013	14:49:22	45	0.0	8.44	609.1	Float holding 1.5 bbl returned			
10/26/2013	14:49:46	61	0.0	8.44	609.1	No CMT to surface			
10/26/2013	14:49:55	67	0.0	8.44	609.1	End Job			
10/26/2013	14:53:08	42	0.0	8.44	609.1				
10/26/2013	14:58:08	76	8.8	6.85	617.2				

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
5.7		0.0	8.5	326.0	0.0	0.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
2339	2339	674	2300			bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume
%	326.0 bbl		195.0 bbl	63 degF	<input type="checkbox"/>		bbl
Customer or Authorized Representative				Schlumberger Supervisor		Circulation Lost	
Jim Weir				Chris Valerio		<input type="checkbox"/>	
						Job Completed <input checked="" type="checkbox"/>	
						-	