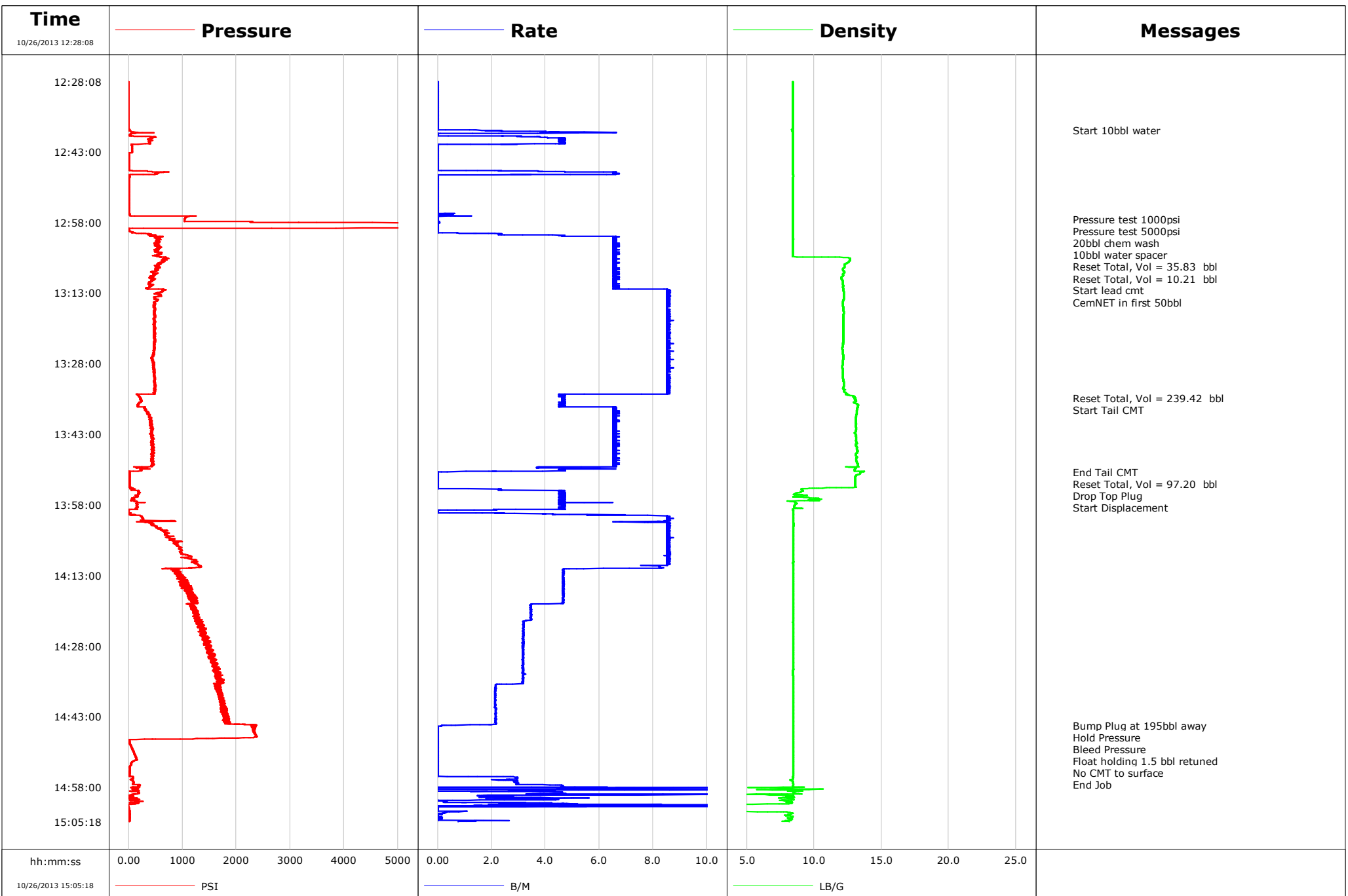


<b>Well</b>	Big Sky	<b>Client</b>	Nighthawk
<b>Field</b>	DJ	<b>SIR No.</b>	CPU7-00004
<b>Engineer</b>	Chris Valerio	<b>Job Type</b>	Production
<b>Country</b>	United States	<b>Job Date</b>	10-26-2013



				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					
Offshore Zone	Well Class		Well Type		Depth, ft	Size, in	Weight, lb/ft	Grade
	New		Development		349.0	8.6	24.0	J55
					8381.0	5.5	17.0	N80
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe			
Oil Mud		lb/gal	cP					
Service Line	Job Type		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Cementing	Production							
Max. Allowed Tub. Press	Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole			
4500 psi	psi		Single Cement head					
Service Instructions					Top, ft	Bottom, ft	shot/ft	No. of Shots
231bbl 724sks Lead CMT @ 12# 1.79 Yield 10gal/sk water					ft	ft		Total Interval
95bbl 283sks Tail CMT @ 13# 1.88 Yield 9.48gal/sk water					ft	ft		Diameter
					ft	ft		in
Treat Down		Displacement		Packer Type		Packer Depth		
Casing		192.3 bbl				ft		
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.		
bbl		194.4 bbl		260.0 bbl		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	
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			Collar Type		Tail Pipe Depth	
Single		Oct/26/2013 09:30			Float		ft	
Arrived on Location		Leave Location			Collar Depth		Sqz. Total Vol.	
Oct/26/2013 08:30		Oct/26/2013 16:00			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"/>	
						To	
						ft	
						Job Completed	
						<input checked="" type="checkbox"/>	