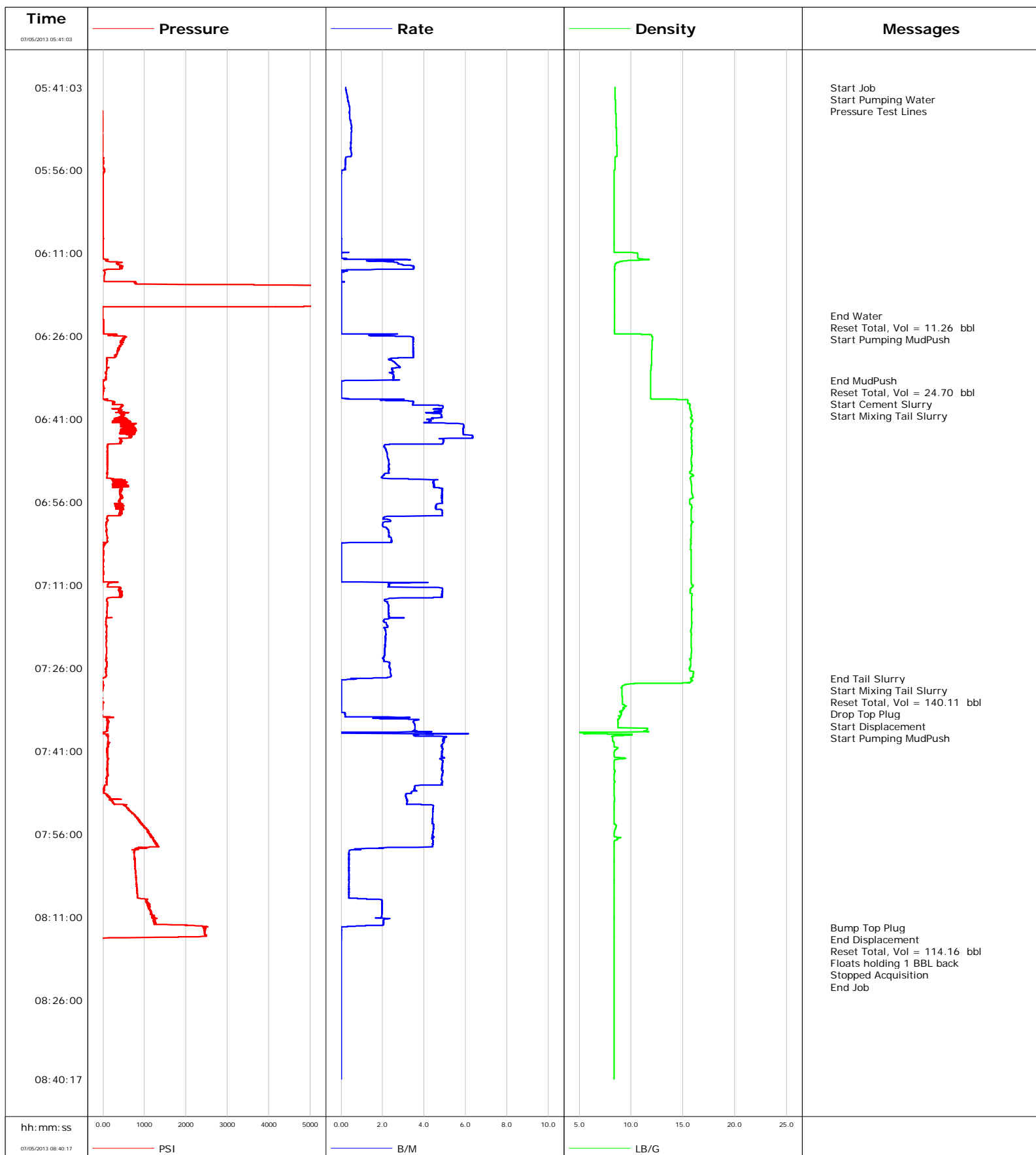


Well Sheehan 2#4-2
Field Wildcat
Engineer
Country United States

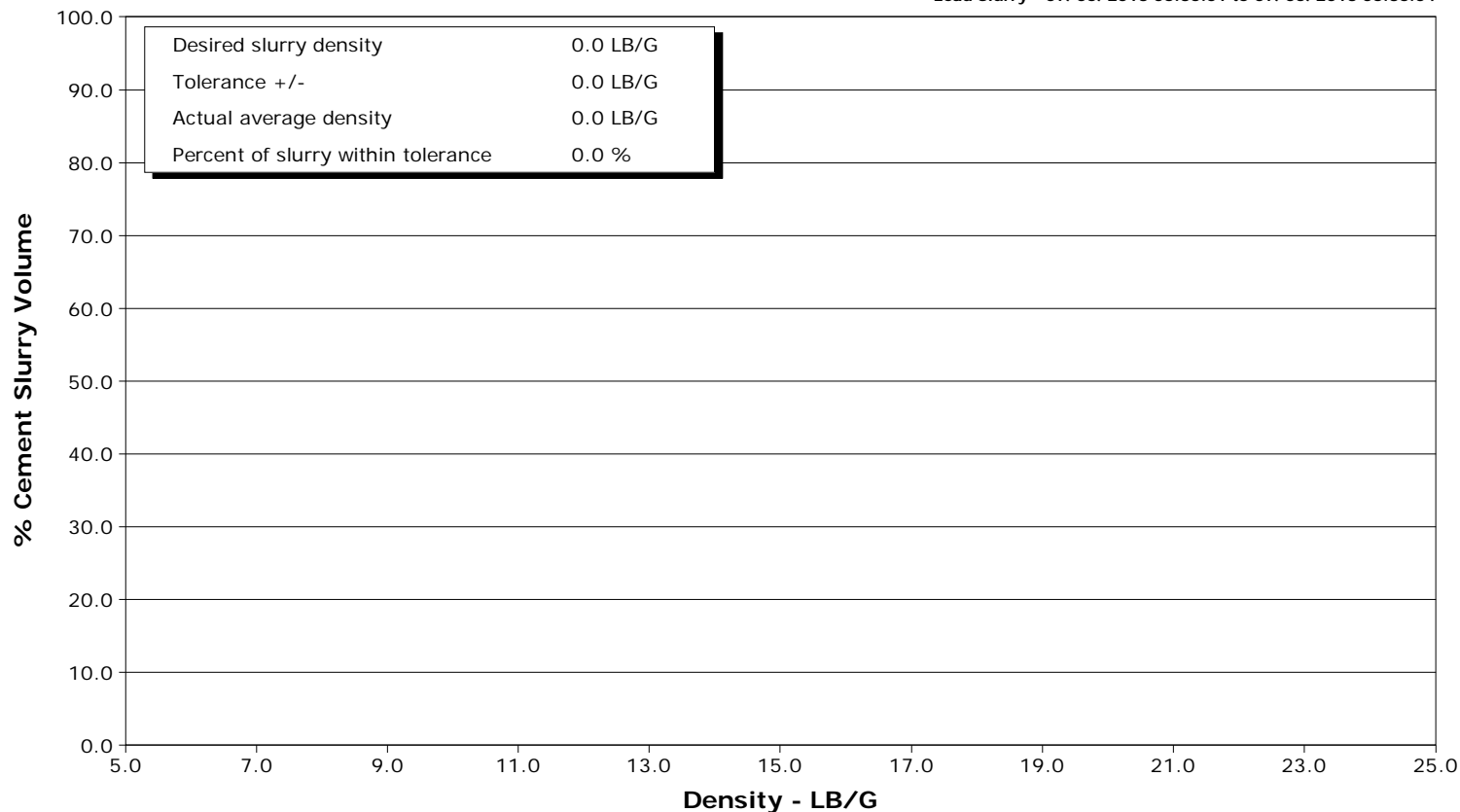
Client Petroleum Resource
SIR No. CAIO-00606
Job Type 4.5 Liner
Job Date 07-04-2013



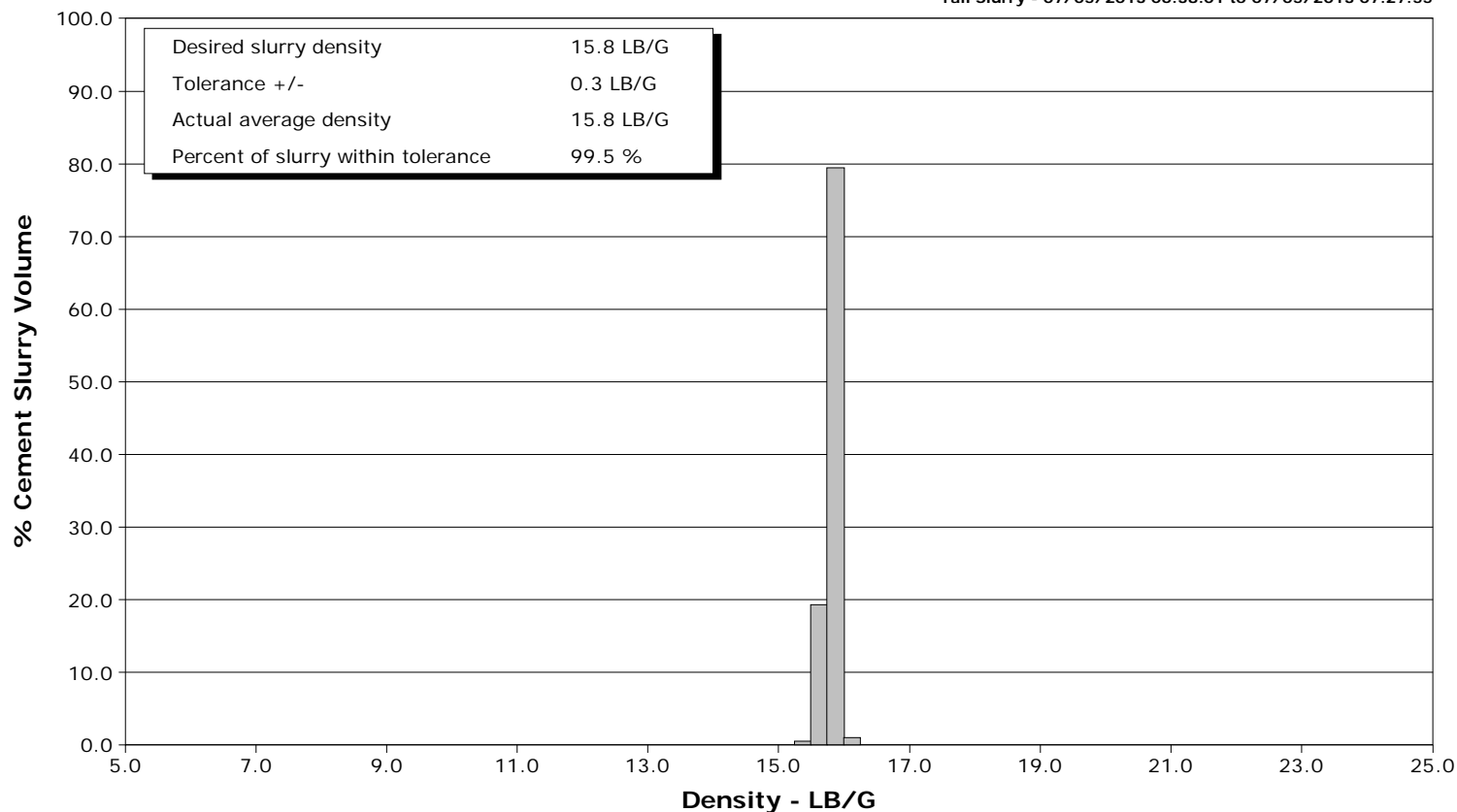
Well Sheehan 2#4-2
Field Wildcat
Engineer
Country United States

Client Petroleum Resource
SIR No. CAIO-00606
Job Type 4.5 Liner
Job Date 07-04-2013

Lead Slurry - 07/05/2013 06:35:01 to 07/05/2013 06:35:04



Tail Slurry - 07/05/2013 06:38:01 to 07/05/2013 07:27:55





Cementing Service Report

				Customer Petroleum Resource		Job Number CAIO-00606	
Well Sheehan 2#4-2		Location (legal)		Schlumberger Location		Job Start Jul/04/2013	
Field Wildcat		Formation Name/Type Dirty-Sandstone		Deviation	Bit Size	Well MD	Well TVD
County Moffet		State/Province Colorado		BHP	BHST	BHCT	Pore Press. Gradient
Well Master		API/UWI					
Rig Name	Drilled For Gas	Service Via Land	Casing/Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class New	Well Type Development	9092.0	4.500	11.6	P110	8RD
			0.0	0.000	0.0		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe			
				Depth,	Size,	Weight,	Grade
Service Line Cementing	Job Type 4.5 Liner						
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Perforations/Open Hole				
			Top,	Bottom,		No. of Shots	Total Interval
Service Instructions							
							Diameter
Treat Down Drill Pipe		Displacement 113.0 bbl		Packer Type		Packer Depth	
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.	
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 Guide		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 9090.0 ft		Tool Type	
No. Centralizers 9		Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth	
Cement Head Type Single				Stage Tool Depth		Tail Pipe Size	
Job Scheduled For Jul/04/2013		Arrived on Location Jul/04/2013	Leave Location Jul/04/2013	Collar Type Float		Tail Pipe Depth	
				Collar Depth 9049.0 ft		Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/04/2013	22:28:07					Started Acquisition	
07/05/2013	05:41:03					Start Job	
07/05/2013	05:41:03	-22	0.2	8.43	0.0		
07/05/2013	05:41:06					Start Pumping Water	
07/05/2013	05:41:06	-19	0.2	8.43	0.0		
07/05/2013	05:41:07	-19	0.2	8.43	0.0		
07/05/2013	05:41:09					Pressure Test Lines	
07/05/2013	05:41:09	-14	0.2	8.43	0.0		
07/05/2013	05:42:07	-18	0.3	8.45	0.3		
07/05/2013	05:43:07	-13	0.3	8.47	0.6		
07/05/2013	05:44:07	-18	0.4	8.49	0.9		
07/05/2013	05:45:07	-15	0.4	8.51	1.3		
07/05/2013	05:46:07	-13	0.4	8.53	1.7		
07/05/2013	05:47:07	-11	0.5	8.55	2.1		
07/05/2013	05:48:07	-11	0.5	8.57	2.6		
07/05/2013	05:49:07	-11	0.5	8.58	3.1		
07/05/2013	05:50:07	-9	0.5	8.60	3.6		
07/05/2013	05:51:07	-9	0.5	8.61	4.1		
07/05/2013	05:52:07	-8	0.4	8.63	4.6		
07/05/2013	05:53:07	-11	0.5	8.63	5.0		
07/05/2013	05:54:07	-13	0.2	8.46	5.4		

Well			Field		Job Start	Customer	Job Number
Sheehan 2#4-2			Wildcat		Jul/04/2013	Petroleum Resource	CAIO-00606
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/05/2013	05:56:07	36	0.0	8.36	5.8		
07/05/2013	06:09:07	5	0.0	8.35	5.8		
07/05/2013	06:10:07	3	0.0	8.35	5.8		
07/05/2013	06:11:07	2	0.0	10.64	5.8		
07/05/2013	06:12:07	27	0.1	11.16	5.8		
07/05/2013	06:13:07	356	2.9	8.47	8.2		
07/05/2013	06:14:07	21	0.0	8.42	11.2		
07/05/2013	06:15:07	35	0.0	8.40	11.3		
07/05/2013	06:16:07	32	0.0	8.40	11.3		
07/05/2013	06:17:07	5310	0.0	8.39	11.3		
07/05/2013	06:18:07	5215	0.0	8.39	11.3		
07/05/2013	06:19:07	5162	0.0	8.39	11.3		
07/05/2013	06:20:07	5109	0.0	8.39	11.3		
07/05/2013	06:21:07	-6	0.0	8.39	11.3		
07/05/2013	06:22:07	-7	0.0	8.38	11.3		
07/05/2013	06:22:20					End Water	
07/05/2013	06:22:20	-6	0.0	8.38	11.3		
07/05/2013	06:22:21					Reset Total, Vol = 11.26 bbl	
07/05/2013	06:22:21	-6	0.0	8.38	11.3		
07/05/2013	06:22:32					Start Pumping MudPush	
07/05/2013	06:22:32	-6	0.0	8.38	0.0		
07/05/2013	06:23:07	14	0.0	8.38	0.0		
07/05/2013	06:24:07	13	0.0	8.38	0.0		
07/05/2013	06:25:07	13	0.0	8.38	0.0		
07/05/2013	06:26:07	533	3.3	12.00	1.0		
07/05/2013	06:27:07	442	3.5	12.04	4.5		
07/05/2013	06:28:07	389	3.5	12.01	7.9		
07/05/2013	06:29:07	345	3.5	11.97	11.4		
07/05/2013	06:30:07	96	2.5	11.97	14.7		
07/05/2013	06:31:07	91	2.7	11.96	17.2		
07/05/2013	06:32:07	90	2.5	11.92	19.9		
07/05/2013	06:33:07	78	2.5	11.89	22.4		
07/05/2013	06:34:03					End MudPush	
07/05/2013	06:34:03	27	0.5	11.90	24.7		
07/05/2013	06:34:04					Reset Total, Vol = 24.70 bbl	
07/05/2013	06:34:04	27	0.2	11.90	24.7		
07/05/2013	06:34:07	19	0.1	11.90	0.0		
07/05/2013	06:34:55					Start Cement Slurry	
07/05/2013	06:34:55	0	0.0	11.90	0.0		
07/05/2013	06:35:07	20	0.0	11.90	0.0		
07/05/2013	06:36:07	2	0.0	11.89	0.0		
07/05/2013	06:37:07	-10	0.0	11.89	0.0		
07/05/2013	06:38:01					Start Mixing Tail Slurry	
07/05/2013	06:38:01	288	3.5	15.46	1.7		
07/05/2013	06:38:07	268	3.5	15.46	2.0		
07/05/2013	06:39:07	404	4.9	15.67	6.4		
07/05/2013	06:40:07	489	4.8	15.77	11.0		
07/05/2013	06:41:07	601	4.1	15.89	15.7		
07/05/2013	06:42:07	530	5.9	15.75	20.5		
07/05/2013	06:43:07	755	5.9	15.80	26.4		
07/05/2013	06:44:07	701	6.3	15.83	32.4		
07/05/2013	06:45:07	407	4.9	15.84	37.8		
07/05/2013	06:46:07	102	2.1	15.82	41.2		
07/05/2013	06:47:07	106	2.2	15.86	43.4		

Well			Field		Job Start	Customer	Job Number
Sheehan 2#4-2			Wildcat		Jul/04/2013	Petroleum Resource	CAIO-00606
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/05/2013	06:49:07	105	2.3	15.80	47.9		
07/05/2013	06:50:07	109	2.3	15.85	50.2		
07/05/2013	06:51:07	116	2.1	15.97	52.4		
07/05/2013	06:52:07	301	4.4	15.74	55.1		
07/05/2013	06:53:07	305	4.5	15.83	59.5		
07/05/2013	06:54:07	408	4.9	15.85	64.2		
07/05/2013	06:55:07	471	4.8	15.97	69.1		
07/05/2013	06:56:07	421	4.9	15.64	74.0		
07/05/2013	06:57:07	492	4.6	15.85	78.6		
07/05/2013	06:58:07	409	4.9	15.79	83.4		
07/05/2013	06:59:07	94	2.0	15.80	86.7		
07/05/2013	07:00:07	80	2.0	15.78	88.9		
07/05/2013	07:01:07	82	2.3	15.77	91.0		
07/05/2013	07:02:07	99	2.3	15.78	93.3		
07/05/2013	07:03:07	111	2.4	15.76	95.7		
07/05/2013	07:04:07	16	0.0	15.76	96.3		
07/05/2013	07:05:07	11	0.0	15.76	96.3		
07/05/2013	07:06:07	9	0.0	15.77	96.3		
07/05/2013	07:07:07	11	0.0	15.78	96.3		
07/05/2013	07:08:07	11	0.0	15.79	96.3		
07/05/2013	07:09:07	13	0.0	15.80	96.3		
07/05/2013	07:10:07	3	0.0	15.80	96.3		
07/05/2013	07:11:07	118	2.3	15.98	97.9		
07/05/2013	07:12:07	403	4.9	15.72	101.9		
07/05/2013	07:13:07	453	4.9	15.84	106.8		
07/05/2013	07:14:07	112	2.2	15.82	109.6		
07/05/2013	07:15:07	99	2.3	15.82	111.8		
07/05/2013	07:16:07	95	2.3	15.84	114.1		
07/05/2013	07:17:07	78	2.3	15.83	116.5		
07/05/2013	07:18:07	71	2.2	15.83	118.6		
07/05/2013	07:19:07	85	2.1	15.77	120.8		
07/05/2013	07:20:07	85	2.2	15.81	122.9		
07/05/2013	07:21:07	87	2.1	15.80	125.0		
07/05/2013	07:22:07	80	2.1	15.80	127.2		
07/05/2013	07:23:07	86	2.1	15.82	129.3		
07/05/2013	07:24:07	77	2.0	15.80	131.4		
07/05/2013	07:25:07	92	2.3	15.72	133.5		
07/05/2013	07:26:07	65	2.4	15.60	135.8		
07/05/2013	07:27:07	76	2.4	15.99	138.2		
07/05/2013	07:27:55					End Tail Slurry	
07/05/2013	07:27:55	-10	0.9	15.73	140.0		
07/05/2013	07:28:07	-22	0.3	15.75	140.1		
07/05/2013	07:28:13					Start Mixing Tail Slurry	
07/05/2013	07:28:13	-35	0.0	15.91	140.1		
07/05/2013	07:28:14					Reset Total, Vol = 140.11 bbl	
07/05/2013	07:28:14	-34	0.0	15.91	140.1		
07/05/2013	07:28:16					Drop Top Plug	
07/05/2013	07:28:16	-33	0.0	15.92	0.0		
07/05/2013	07:28:17					Start Displacement	
07/05/2013	07:28:17	-33	0.0	15.92	0.0		
07/05/2013	07:28:18					Start Pumping MudPush	
07/05/2013	07:28:18	-35	0.0	15.92	0.0		
07/05/2013	07:29:07	14	0.0	9.33	0.0		
07/05/2013	07:30:07	-11	0.0	9.10	0.0		

Well			Field		Job Start	Customer	Job Number
Sheehan 2#4-2			Wildcat		Jul/04/2013	Petroleum Resource	CAIO-00606
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/05/2013	07:32:07	-5	0.0	9.15	0.0		
07/05/2013	07:33:07	-7	0.0	9.33	0.0		
07/05/2013	07:34:07	-13	0.2	9.00	0.0		
07/05/2013	07:35:07	98	1.5	8.88	0.8		
07/05/2013	07:36:07	108	3.5	8.76	4.1		
07/05/2013	07:37:07	88	3.6	11.57	7.7		
07/05/2013	07:38:07	102	3.6	10.05	10.6		
07/05/2013	07:39:07	125	5.0	8.22	15.3		
07/05/2013	07:40:07	123	4.8	8.35	20.2		
07/05/2013	07:41:07	110	4.9	8.39	25.1		
07/05/2013	07:42:07	111	4.9	8.39	29.9		
07/05/2013	07:43:07	116	4.9	8.36	34.8		
07/05/2013	07:44:07	108	4.9	8.35	39.7		
07/05/2013	07:45:07	119	4.9	8.39	44.6		
07/05/2013	07:46:07	102	4.8	8.35	49.4		
07/05/2013	07:47:07	99	4.9	8.35	54.3		
07/05/2013	07:48:07	20	3.5	8.34	57.9		
07/05/2013	07:49:07	113	3.1	8.35	61.2		
07/05/2013	07:50:07	221	3.2	8.38	64.4		
07/05/2013	07:51:07	558	4.4	8.36	68.1		
07/05/2013	07:52:07	694	4.4	8.36	72.5		
07/05/2013	07:53:07	814	4.4	8.35	76.9		
07/05/2013	07:54:07	914	4.4	8.35	81.3		
07/05/2013	07:55:07	1044	4.4	8.50	85.8		
07/05/2013	07:56:07	1132	4.4	8.37	90.2		
07/05/2013	07:57:07	1203	4.4	8.53	94.6		
07/05/2013	07:58:07	1327	4.4	8.36	99.0		
07/05/2013	07:59:07	766	0.4	8.35	101.1		
07/05/2013	08:00:07	763	0.4	8.35	101.5		
07/05/2013	08:01:07	774	0.4	8.35	101.9		
07/05/2013	08:02:07	781	0.4	8.35	102.3		
07/05/2013	08:03:07	782	0.4	8.34	102.6		
07/05/2013	08:04:07	799	0.4	8.34	103.0		
07/05/2013	08:05:07	806	0.4	8.34	103.4		
07/05/2013	08:06:07	822	0.4	8.34	103.8		
07/05/2013	08:07:07	829	0.4	8.34	104.2		
07/05/2013	08:08:07	1047	2.0	8.35	105.1		
07/05/2013	08:09:07	1142	2.0	8.37	107.1		
07/05/2013	08:10:07	1158	2.0	8.36	109.1		
07/05/2013	08:11:07	1194	2.0	8.36	111.0		
07/05/2013	08:12:07	1228	2.0	8.36	113.1		
07/05/2013	08:12:54					Bump Top Plug	
07/05/2013	08:12:54	2467	0.0	8.36	114.2		
07/05/2013	08:12:55					End Displacement	
07/05/2013	08:12:55	2467	0.0	8.36	114.2		
07/05/2013	08:12:56					Reset Total, Vol = 114.16 bbl	
07/05/2013	08:12:56	2451	0.0	8.36	114.2		
07/05/2013	08:13:07	2483	0.0	8.35	0.0		
07/05/2013	08:14:07	2451	0.0	8.35	0.0		
07/05/2013	08:14:51					Floats holding 1 BBL back	
07/05/2013	08:14:51	-16	0.0	8.36	0.0		
07/05/2013	08:40:18					Stopped Acquisition	

Well Sheehan 2#4-2	Field Wildcat	Job Start Jul/04/2013	Customer Petroleum Resource	Job Number CAIO-00606
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.7	N2	Mud 3.0	Maximum Rate 6.3	Total Slurry 140.0	Mud 0.0	Spacer 0.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 5367	Final -44	Average 470	Bump Plug to	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume 141.0 bbl		Displacement 114.0 bbl		Mix Water Temp	Cement Circulated to Surface? <input type="checkbox"/>	Volume	
						Washed Thru Perfs <input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor Anthony Fowler			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
						-	-	