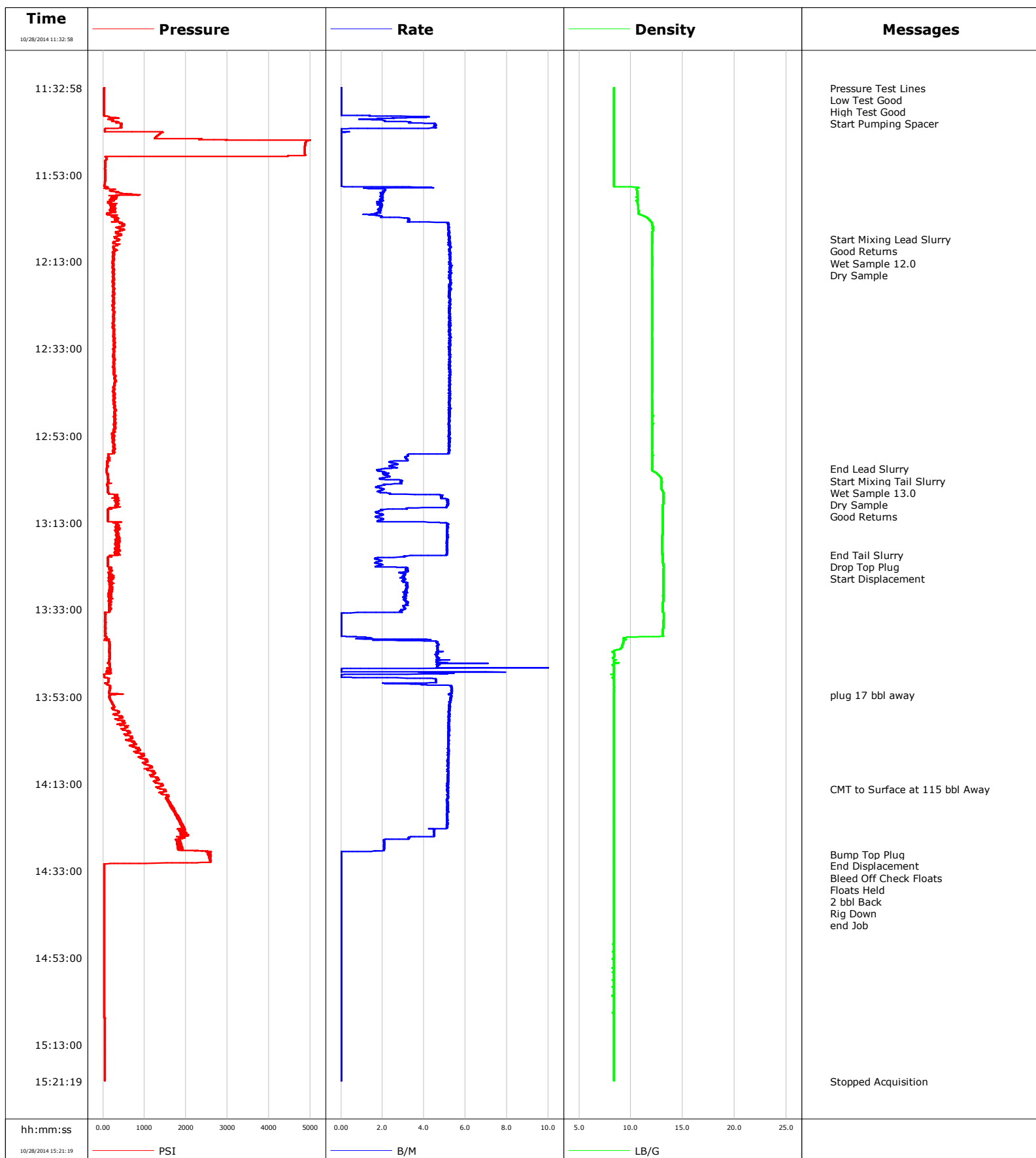


Well BlackComb 3-14
Field Arikaree Creek
Engineer Cole Fairbrook/ J Warmoth
Country United States

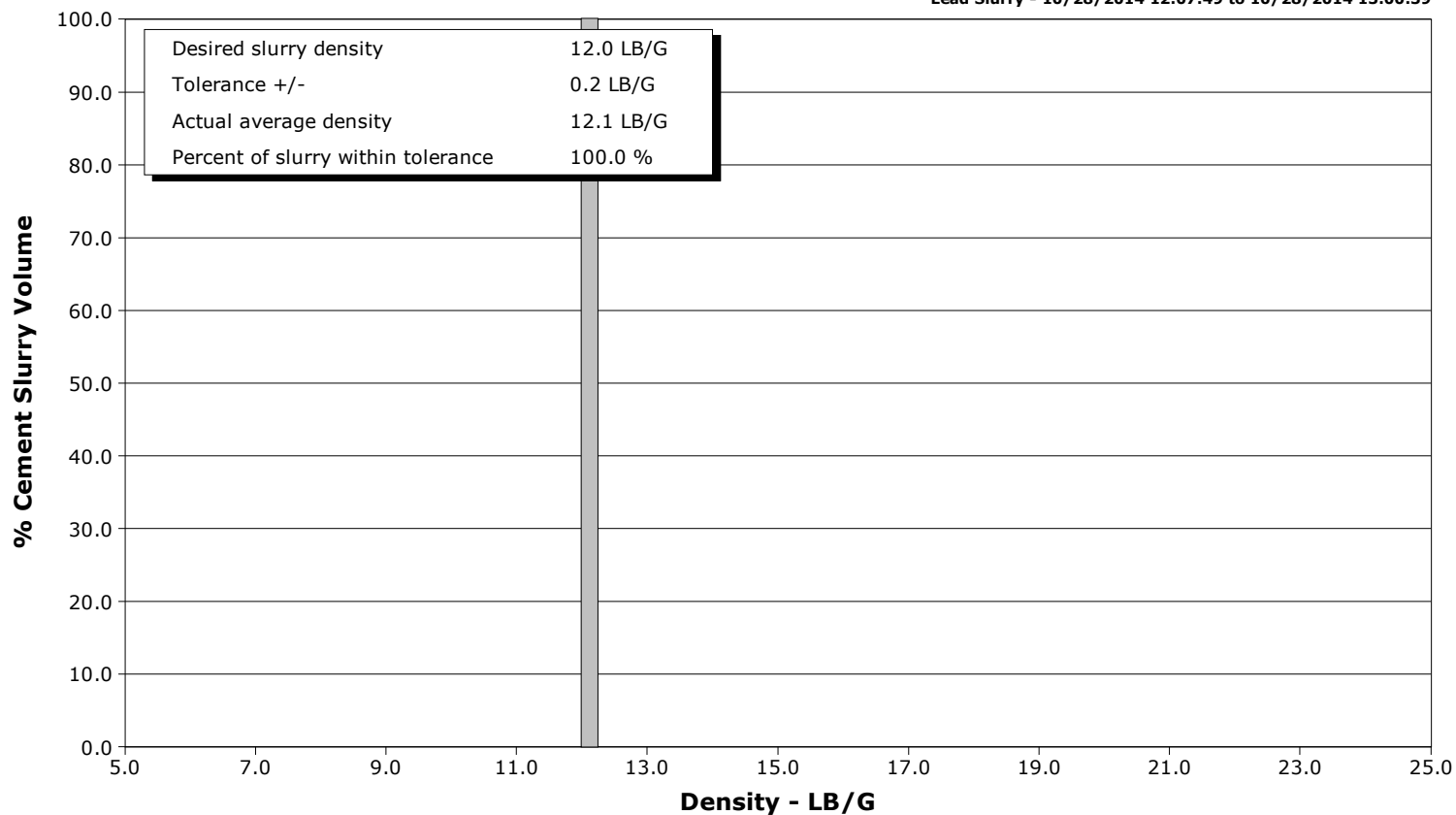
Client NightHawk
SIR No. D2IK-00356
Job Type Production
Job Date 10-28-2014



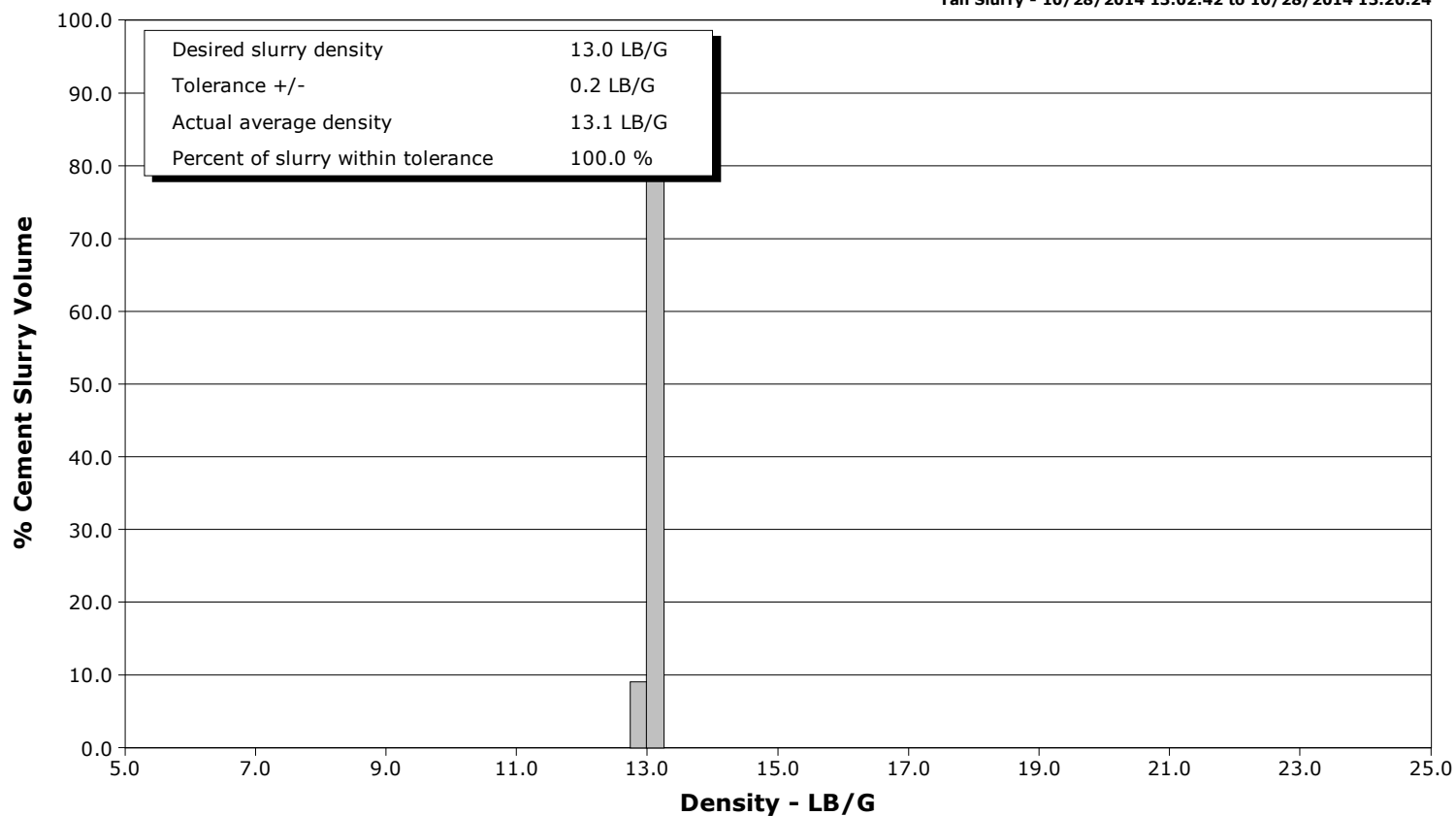
Well BlackComb 3-14
Field Arikaree Creek
Engineer Cole Fairbrook/ J Warmoth
Country United States

Client NightHawk
SIR No. D2IK-00356
Job Type Production
Job Date 10-28-2014

Lead Slurry - 10/28/2014 12:07:49 to 10/28/2014 13:00:39



Tail Slurry - 10/28/2014 13:02:42 to 10/28/2014 13:20:24



Page 1 of 4

Well BlackComb 3-14			Field Arikaree Creek		Job Start Oct/28/2014	Customer NightHawk	Job Number D2IK-00356
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
10/28/2014	12:07:49	391	5.2	12.07	47.7	Start Mixing Lead Slurry	
10/28/2014	12:08:02	346	5.2	12.07	48.8	Good Returns	
10/28/2014	12:08:58	369	5.2	12.04	53.7		
10/28/2014	12:10:58	257	5.3	12.03	64.2		
10/28/2014	12:12:58	239	5.2	12.06	74.7		
10/28/2014	12:14:58	258	5.3	12.04	85.3		
10/28/2014	12:16:58	246	5.3	12.04	95.8		
10/28/2014	12:18:58	254	5.2	12.06	106.3		
10/28/2014	12:20:58	235	5.2	12.06	116.8		
10/28/2014	12:22:58	251	5.3	12.05	127.3		
10/28/2014	12:24:58	278	5.2	12.08	137.8		
10/28/2014	12:26:58	256	5.2	12.08	148.3		
10/28/2014	12:28:58	255	5.2	12.05	158.7		
10/28/2014	12:30:58	265	5.2	12.05	169.2		
10/28/2014	12:32:58	274	5.2	12.05	179.7		
10/28/2014	12:34:58	266	5.3	12.06	190.2		
10/28/2014	12:36:58	247	5.2	12.05	200.7		
10/28/2014	12:38:58	259	5.3	12.05	211.2		
10/28/2014	12:40:58	270	5.2	12.07	221.7		
10/28/2014	12:42:58	266	5.3	12.05	232.1		
10/28/2014	12:44:58	267	5.2	12.05	242.6		
10/28/2014	12:46:58	291	5.3	12.08	253.1		
10/28/2014	12:48:58	290	5.2	12.09	263.5		
10/28/2014	12:50:58	286	5.2	12.09	274.0		
10/28/2014	12:52:58	278	5.2	12.07	284.4		
10/28/2014	12:54:58	255	5.2	12.06	294.8		
10/28/2014	12:56:58	243	5.2	12.06	305.3		
10/28/2014	12:58:58	106	2.4	12.09	312.0		
10/28/2014	13:00:39	86	2.0	12.08	316.2	End Lead Slurry	
10/28/2014	13:00:58	90	1.8	12.08	316.7		
10/28/2014	13:02:42	114	2.0	12.89	320.4	Start Mixing Tail Slurry	
10/28/2014	13:02:43	114	2.0	12.89	320.5	Wet Sample 13.0	
10/28/2014	13:02:44	115	2.0	12.90	320.5	Good Returns	
10/28/2014	13:02:58	116	1.9	12.93	320.9		
10/28/2014	13:04:58	107	1.8	12.94	325.7		
10/28/2014	13:06:58	345	4.9	13.15	331.1		
10/28/2014	13:08:58	371	5.1	13.09	341.2		
10/28/2014	13:10:58	113	1.9	13.08	347.2		
10/28/2014	13:12:58	326	4.8	13.08	351.4		
10/28/2014	13:14:58	357	5.1	13.06	361.6		
10/28/2014	13:16:58	399	5.1	13.03	371.9		
10/28/2014	13:18:58	294	5.1	13.03	382.1		
10/28/2014	13:20:24	345	5.1	13.05	389.4	End Tail Slurry	
10/28/2014	13:20:27	323	5.1	13.05	389.6	Drop Top Plug	
10/28/2014	13:20:58	111	2.3	13.05	391.4		
10/28/2014	13:22:58	118	1.7	13.14	395.0		
10/28/2014	13:24:58	180	3.0	13.12	400.9		
10/28/2014	13:26:58	200	3.1	13.13	407.0		
10/28/2014	13:28:58	194	3.1	13.13	413.4		
10/28/2014	13:30:58	162	3.1	13.12	419.5		
10/28/2014	13:32:58	146	3.0	13.07	425.8		
10/28/2014	13:34:58	57	0.0	13.16	427.8		
10/28/2014	13:36:58	46	0.0	13.11	427.8		
10/28/2014	13:38:58	49	0.0	13.07	427.8		

Well			Field		Job Start		Customer		Job Number	
BlackComb 3-14			Arikaree Creek		Oct/28/2014		NightHawk		D2IK-00356	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
10/28/2014	13:42:58	154	4.6	8.36	442.8					
10/28/2014	13:44:58	154	4.6	8.37	452.1					
10/28/2014	13:46:58	92	0.0	8.36	459.3					
10/28/2014	13:48:58	134	4.6	8.36	463.1					
10/28/2014	13:50:58	166	5.3	8.37	472.1					
10/28/2014	13:52:35	191	5.2	8.37	480.7	plug 17 bbl away				
10/28/2014	13:52:58	154	5.3	8.37	482.7					
10/28/2014	13:54:58	250	5.2	8.37	493.2					
10/28/2014	13:56:58	293	5.2	8.37	503.7					
10/28/2014	13:58:58	502	5.2	8.37	514.1					
10/28/2014	14:00:58	573	5.2	8.37	524.5					
10/28/2014	14:02:58	593	5.2	8.37	534.9					
10/28/2014	14:04:58	839	5.2	8.37	545.2					
10/28/2014	14:06:58	918	5.2	8.37	555.6					
10/28/2014	14:08:58	1160	5.1	8.37	565.9					
10/28/2014	14:10:58	1175	5.2	8.37	576.2					
10/28/2014	14:12:58	1345	5.1	8.37	586.5					
10/28/2014	14:14:15	1436	5.2	8.37	593.1	CMT to Surface at 115 bbl Away				
10/28/2014	14:14:58	1411	5.1	8.37	596.8					
10/28/2014	14:16:58	1557	5.1	8.37	607.1					
10/28/2014	14:18:58	1725	5.1	8.37	617.4					
10/28/2014	14:20:58	1821	5.1	8.38	627.6					
10/28/2014	14:22:58	1958	5.1	8.37	637.9					
10/28/2014	14:24:58	1986	4.5	8.36	647.0					
10/28/2014	14:26:58	1811	2.1	8.36	652.3					
10/28/2014	14:28:58	2586	0.0	8.37	655.6					
10/28/2014	14:29:08	2585	0.0	8.37	655.6	Bump Top Plug				
10/28/2014	14:29:09	2603	0.0	8.37	655.6	End Displacement				
10/28/2014	14:29:12	2604	0.0	8.37	655.6	Bleed Off Check Floats				
10/28/2014	14:30:10	2578	0.0	8.37	655.6	end Job				
10/28/2014	14:30:58	2579	0.0	8.37	655.6					
10/28/2014	14:32:58	32	0.0	8.37	655.6					
10/28/2014	14:34:58	33	0.0	8.37	655.6					
10/28/2014	14:36:58	33	0.0	8.37	655.6					
10/28/2014	14:38:58	33	0.0	8.37	655.6					
10/28/2014	14:40:58	33	0.0	8.37	655.6					
10/28/2014	14:42:58	33	0.0	8.37	655.6					
10/28/2014	14:44:58	32	0.0	8.37	655.6					
10/28/2014	14:46:58	33	0.0	8.37	655.6					
10/28/2014	14:48:58	33	0.0	8.36	655.6					
10/28/2014	14:50:58	33	0.0	8.35	655.6					
10/28/2014	14:52:58	32	0.0	8.35	655.6					
10/28/2014	14:54:58	32	0.0	8.35	655.6					
10/28/2014	14:56:58	32	0.0	8.35	655.6					
10/28/2014	14:58:58	32	0.0	8.34	655.6					
10/28/2014	15:00:58	32	0.0	8.34	655.6					
10/28/2014	15:02:58	32	0.0	8.35	655.6					
10/28/2014	15:04:58	32	0.0	8.35	655.6					
10/28/2014	15:06:58	52	0.0	8.35	655.6					
10/28/2014	15:08:58	44	0.0	8.36	655.6					
10/28/2014	15:10:58	43	0.0	8.36	655.6					
10/28/2014	15:12:58	44	0.0	8.36	655.6					
10/28/2014	15:14:58	44	0.0	8.36	655.6					
10/28/2014	15:16:58	44	0.0	8.36	655.6					

Well BlackComb 3-14			Field Arikaree Creek		Job Start Oct/28/2014	Customer NightHawk		Job Number D2IK-00356	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/28/2014	15:20:58	45		0.0	8.36	655.6			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl							
Slurry 4.4	N2	Mud	Maximum Rate 11.0	Total Slurry 487.0	Mud 0.0	Spacer 20.0	N2					
Treating Pressure Summary, psi					Breakdown Fluid							
Maximum 5071	Final 44	Average 433	Bump Plug to 2300	Breakdown	Type	Volume bbl	Density lb/gal					
Avg. N2 Percent %	Designed Slurry Volume 0.0 bbl	Displacement 190.0 bbl	Mix Water Temp degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>		Volume 75.0 bbl						
				Washed Thru Perfs <input type="checkbox"/>		To ft						
Customer or Authorized Representative			Schlumberger Supervisor Cole Fairbrook/ J Warmoth			Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>					
						-	-					



Service Quality Evaluation

Client:	NightHawk
Field:	Arikaree Creek
Rig:	Xtreme 11
Well:	BlackComb 3-14
Service Line:	Cementing
Job Type:	Production

Service Order #:	2
Date:	Oct/28/2014
Operating Time (hh:mm):	00:00
Client Rep:	
Schlumberger Engineer:	Cole Fairbrook/ J Warmoth
Schlumberger FSM:	

Main Objective:

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1c	Wellsite left clean	4	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%
2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%
3	Execution				
3a	Lost time < 30 mins	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested succesfully	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested succesfully	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped as per design	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%
4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

Total 0%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: