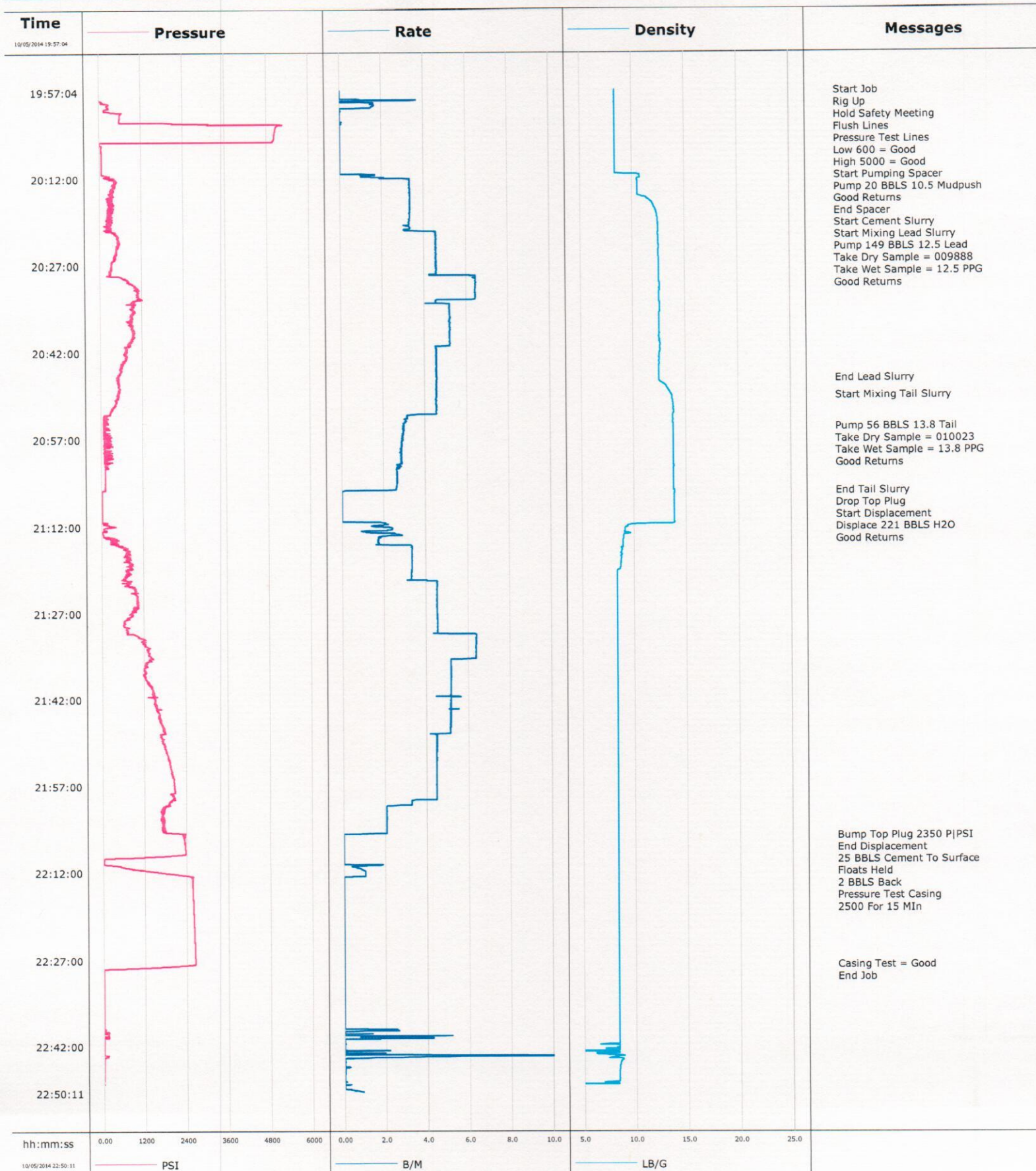


Well Horestail 30F-1943
Field Wildcat
Engineer Conley Jensen/ Lyle Hartsfield
Country United States

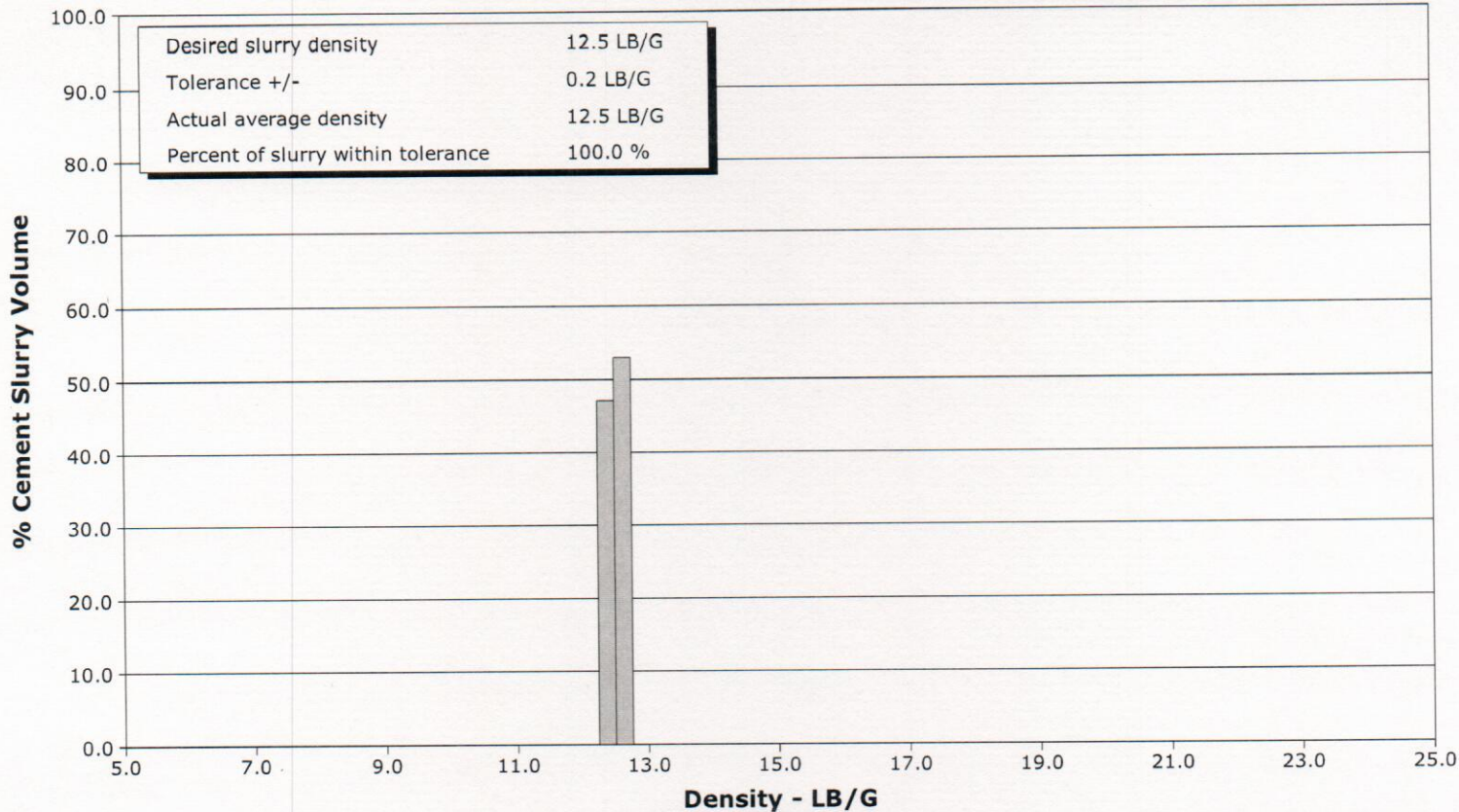
Client Whiting
SIR No. 2007760
Job Type 7" Intermediate
Job Date 10-05-2014



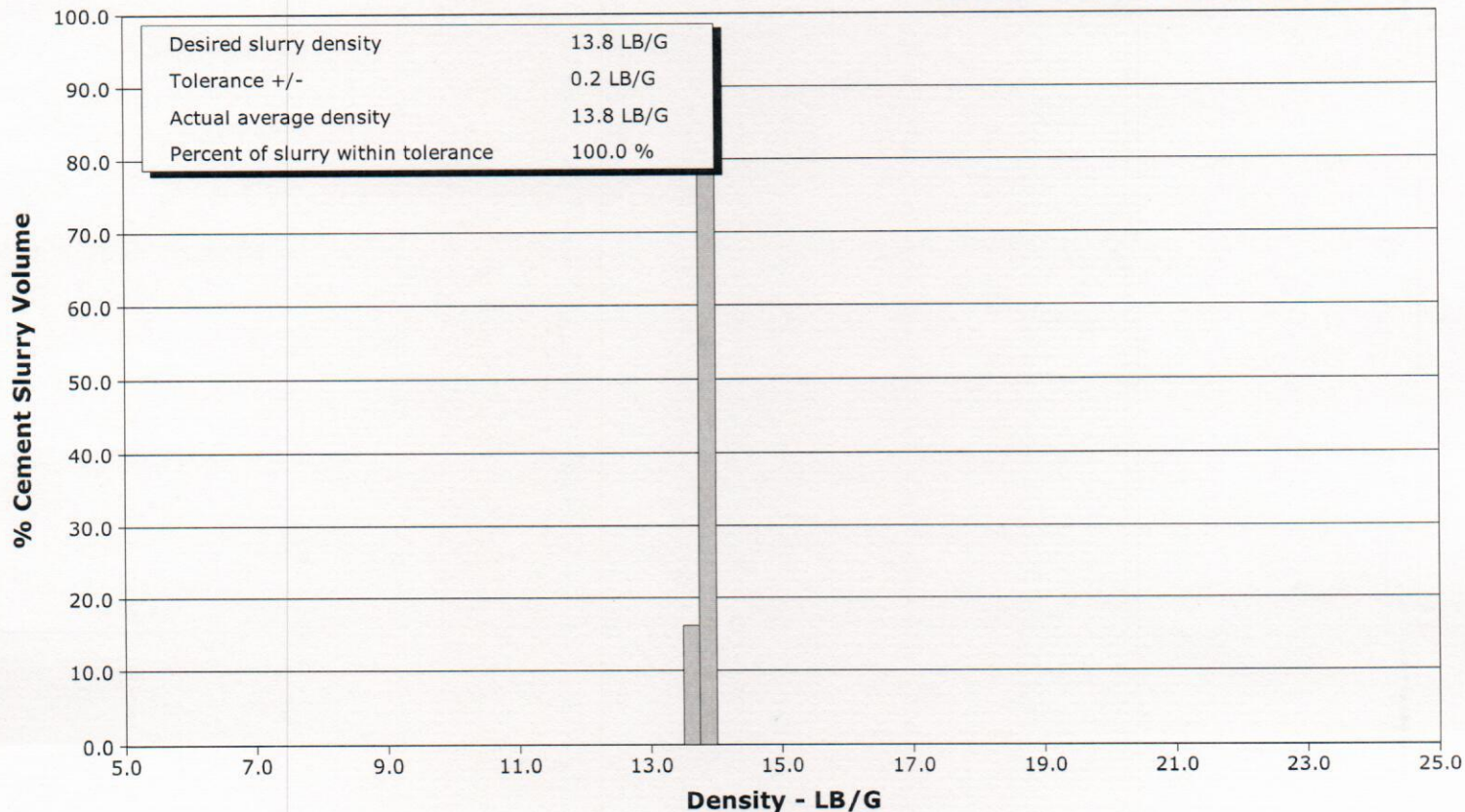
Well Horestail 30F-1943
Field Wildcat
Engineer Conley Jensen/ Lyle Hartsfield
Country United States

Client Whiting
SIR No. 2007760
Job Type 7" Intermediate
Job Date 10-05-2014

Lead Slurry - 10/05/2014 20:19:23 to 10/05/2014 20:46:28



Tail Slurry - 10/05/2014 20:49:29 to 10/05/2014 21:05:53



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Well		Field		Job Start	Customer	Job Number
Horetail 30F-1943 30F-1943		Wildcat		Oct/05/2014	Whiting	2007760
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/05/2014	20:18:23	288	3.3	12.32	3.7	Start Cement Slurry
10/05/2014	20:19:23	346	3.3	12.40	7.0	Start Mixing Lead Slurry
10/05/2014	20:19:34	219	3.3	12.41	7.6	
10/05/2014	20:20:40	326	3.3	12.45	11.2	Pump 149 BBLs 12.5 Lead
10/05/2014	20:21:04	267	3.2	12.46	12.5	
10/05/2014	20:22:34	498	4.6	12.44	18.8	
10/05/2014	20:24:04	518	4.5	12.48	25.6	
10/05/2014	20:24:53	466	4.6	12.47	29.4	Take Dry Sample = 009888
10/05/2014	20:24:55	457	4.6	12.47	29.5	Take Wet Sample = 12.5 PPG
10/05/2014	20:25:34	404	4.6	12.47	32.5	
10/05/2014	20:27:04	328	4.6	12.50	39.3	
10/05/2014	20:28:34	302	4.6	12.50	46.2	
10/05/2014	20:30:04	813	6.4	12.51	55.0	
10/05/2014	20:31:34	1077	6.4	12.53	64.7	
10/05/2014	20:33:04	1162	6.4	12.50	74.3	
10/05/2014	20:34:34	905	5.2	12.54	81.8	
10/05/2014	20:36:04	893	5.2	12.51	89.6	
10/05/2014	20:37:34	875	5.2	12.50	97.4	
10/05/2014	20:39:04	930	5.2	12.52	105.2	
10/05/2014	20:40:34	797	5.2	12.57	113.0	
10/05/2014	20:42:04	733	4.5	12.54	120.1	
10/05/2014	20:43:34	663	4.6	12.49	126.9	
10/05/2014	20:45:04	587	4.5	12.45	133.8	
10/05/2014	20:46:28	514	4.6	12.46	140.1	End Lead Slurry
10/05/2014	20:46:34	475	4.6	12.46	140.6	
10/05/2014	20:48:04	526	4.6	13.18	147.4	
10/05/2014	20:49:29	502	4.6	13.61	4.4	Start Mixing Tail Slurry
10/05/2014	20:49:34	514	4.6	13.63	4.8	
10/05/2014	20:51:04	424	4.5	13.77	11.6	
10/05/2014	20:52:34	271	4.5	13.82	18.4	
10/05/2014	20:54:04	76	3.1	13.76	23.6	
10/05/2014	20:54:52	80	3.0	13.77	26.0	Pump 56 BBLs 13.8 Tail
10/05/2014	20:55:34	102	3.0	13.77	28.1	
10/05/2014	20:55:48	106	3.0	13.77	28.8	Take Wet Sample = 13.8 PPG
10/05/2014	20:56:04	169	2.9	13.77	29.6	Good Returns
10/05/2014	20:57:04	87	2.9	13.78	32.5	
10/05/2014	20:58:34	104	2.8	13.78	36.8	
10/05/2014	21:00:04	88	2.8	13.80	41.1	
10/05/2014	21:01:34	122	2.6	13.78	45.3	
10/05/2014	21:03:04	118	2.7	13.80	49.3	
10/05/2014	21:04:34	116	2.6	13.80	53.3	
10/05/2014	21:05:53	41	2.5	13.80	56.8	End Tail Slurry
10/05/2014	21:05:54	41	2.1	13.80	56.8	Drop Top Plug
10/05/2014	21:05:55	19	1.4	13.82	56.8	Start Displacement
10/05/2014	21:05:56	20	0.8	13.85	56.9	Good Returns
10/05/2014	21:06:04	17	0.0	13.86	56.9	
10/05/2014	21:07:34	21	0.0	13.85	56.9	
10/05/2014	21:09:04	21	0.0	13.85	56.9	
10/05/2014	21:10:34	21	0.0	13.84	56.9	
10/05/2014	21:12:04	346	1.4	9.35	1.4	
10/05/2014	21:13:34	45	2.8	9.02	4.4	
10/05/2014	21:15:04	360	1.7	8.92	7.2	
10/05/2014	21:16:34	748	3.3	8.78	11.7	
10/05/2014	21:18:04	706	3.3	8.72	16.7	

Well		Field		Job Start	Customer	Job Number
Horestail 30F-1943 30F-1943		Wildcat		Oct/05/2014	Whiting	2007760
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/05/2014	21:21:04	615	3.3	8.36	26.7	
10/05/2014	21:22:34	862	4.5	8.36	32.9	
10/05/2014	21:24:04	1020	4.5	8.36	39.7	
10/05/2014	21:25:34	1014	4.5	8.36	46.4	
10/05/2014	21:27:04	838	4.5	8.36	53.2	
10/05/2014	21:28:34	644	4.5	8.36	60.0	
10/05/2014	21:30:04	690	4.5	8.36	66.8	
10/05/2014	21:31:34	1092	6.4	8.36	74.7	
10/05/2014	21:33:04	1284	6.4	8.36	84.3	
10/05/2014	21:34:34	1322	6.4	8.36	93.8	
10/05/2014	21:36:04	1259	5.2	8.36	102.4	
10/05/2014	21:37:34	1225	5.2	8.36	110.1	
10/05/2014	21:39:04	1293	5.2	8.36	117.8	
10/05/2014	21:40:34	1431	5.1	8.36	125.6	
10/05/2014	21:42:04	1526	5.2	8.36	133.3	
10/05/2014	21:43:34	1537	5.1	8.36	141.0	
10/05/2014	21:45:04	1634	5.1	8.36	148.7	
10/05/2014	21:46:34	1722	5.1	8.36	156.4	
10/05/2014	21:48:04	1787	5.1	8.36	164.1	
10/05/2014	21:49:34	1718	4.5	8.36	170.9	
10/05/2014	21:51:04	1831	4.5	8.36	177.6	
10/05/2014	21:52:34	1914	4.5	8.36	184.3	
10/05/2014	21:54:04	1944	4.5	8.36	191.0	
10/05/2014	21:55:34	2028	4.5	8.36	197.7	
10/05/2014	21:57:04	2058	4.5	8.36	204.4	
10/05/2014	21:58:34	1976	4.5	8.36	211.1	
10/05/2014	22:00:04	1923	3.3	8.36	217.2	
10/05/2014	22:01:34	1760	2.1	8.35	220.8	
10/05/2014	22:03:04	1716	2.1	8.35	223.9	
10/05/2014	22:04:34	1691	2.1	8.36	227.0	
10/05/2014	22:05:32	2342	0.0	8.36	228.8	Bump Top Plug 2350 P/PSI
10/05/2014	22:05:34	2346	0.0	8.36	228.8	End Displacement
10/05/2014	22:06:04	2309	0.0	8.36	228.8	
10/05/2014	22:06:16	2324	0.0	8.36	228.8	25 BBLs Cement To Surface
10/05/2014	22:07:34	2348	0.0	8.36	228.8	
10/05/2014	22:08:41	2363	0.0	8.36	228.8	Floats Held
10/05/2014	22:08:46	2363	0.0	8.36	228.8	2 BBLs Back
10/05/2014	22:09:04	2235	0.0	8.36	228.8	
10/05/2014	22:10:34	25	0.0	8.36	228.8	
10/05/2014	22:10:42	28	0.0	8.36	228.8	Pressure Test Casing
10/05/2014	22:10:51	230	1.9	8.36	228.9	2500 For 15 MIn
10/05/2014	22:12:04	1574	1.0	8.36	229.9	
10/05/2014	22:13:34	2553	0.0	8.36	230.7	
10/05/2014	22:15:04	2560	0.0	8.36	230.7	
10/05/2014	22:16:34	2571	0.0	8.36	230.7	
10/05/2014	22:18:04	2579	0.0	8.36	230.7	
10/05/2014	22:19:34	2588	0.0	8.36	230.8	
10/05/2014	22:21:04	2598	0.0	8.36	230.8	
10/05/2014	22:22:34	2606	0.0	8.36	230.8	
10/05/2014	22:24:04	2615	0.0	8.36	230.8	
10/05/2014	22:25:34	2622	0.0	8.36	230.8	
10/05/2014	22:27:04	2630	0.0	8.36	230.8	
10/05/2014	22:27:39	2633	0.0	8.36	230.8	Casing Test = Good
10/05/2014	22:28:34	448	0.0	8.36	230.8	

Well		Field		Job Start		Customer		Job Number
Horestail 30F-1943 30F-1943		Wildcat		Oct/05/2014		Whiting		2007760
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message		
10/05/2014	22:30:04	11	0.0	8.36	230.8			
10/05/2014	22:31:34	9	0.0	8.36	230.8			
10/05/2014	22:33:04	8	0.0	8.36	230.8			
10/05/2014	22:34:34	7	0.0	8.36	230.8			
10/05/2014	22:36:04	6	0.0	8.36	230.8			
10/05/2014	22:37:34	5	0.0	8.36	230.8			
10/05/2014	22:39:04	44	1.1	8.36	230.8			
10/05/2014	22:40:34	81	0.9	8.36	232.6			
10/05/2014	22:42:04	4	0.0	8.36	233.4			
10/05/2014	22:43:34	3	0.0	7.56	233.6			
10/05/2014	22:45:04	0	0.0	8.46	237.0			
10/05/2014	22:46:34	-0	0.0	8.37	237.0			
10/05/2014	22:48:04	-0	0.0	8.37	237.0			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2			
3.2			15.0	205.0	0.0	20.0				
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density			
5243	1733	990	2350			bbl	lb/gal			
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?		Volume			
%	205.0 bbl		221.0 bbl	60 degF	<input checked="" type="checkbox"/>		25.0 bbl			
					Washed Thru Perfs		To			
					<input type="checkbox"/>		ft			
Customer or Authorized Representative			Schlumberger Supervisor			Circulation Lost	Job Completed			
Kevin Mosley			Conley Jensen/ Lyle Hartsfield			-	<input checked="" type="checkbox"/>			



Service Order #:	
Date:	Oct/05/2014
Operating Time (hh:mm):	00:00
Client Rep:	Kevin Mosley
Schlumberger Engineer:	Conley Jensen/ Lyle Hartsfield
Schlumberger FSM:	

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

Client:	Schlumberger:	
Client Signature:	Schlumberger Signature:	