

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM		DATE 12-MAY-16	F.R. # 10011197876	SERV. SUPV. ERIC S DEWIT									
LEASE & WELL NAME HORSETAIL #07H-1816 - API 05123418400000		LOCATION		COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Unit 406		TYPE OF JOB Long String									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD			
5-1/2" Top Cem Plug, Nitrile cvr, Phe		Centralizer, with Pins, 5-1/2 in											
		Float Collar, Auto Fill, 5-1/2 - Butt											
		Float Shoe 5-1/2 - Butt											
MATERIALS FURNISHED BY BJ				PHYSICAL SLURRY PROPERTIES									
				LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Ultra Flush HV Spacer System					0	11	5.18	34.93		50	45.07		
Fresh Water					0	8.34	0	0		10			
Premium Lite High Strength RM + Adds				C05-004-16	700	13	1.90	9.75	05:10	236.93	162.42		
(50:50) Poz:Class G Cement + Adds				C05-004-16	1,696	14	1.40	6.33	05:49	422.75	255.66		
FW + FC1000 + Xcide 725 + Corhib 132 + FP13L					0	8.34	0	0		309.37			
Available Mix Water 500 Bbl.				Available Displ. Fluid 310 Bbl.	TOTAL					1029.05	463.15		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
8.5	15	13990	4.778	5.5	20	CSG	13974	5820	N-80	13974	13927		
LAST CASING			PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID		
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.9	9.63	36	CSG	2072	2072	No packer	0	0	0	5.5	BUTT	WATER BASED	10.7
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER		
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator			
308.9	BBLS	FW + FC1000 + Xcid	8.34	1502	0	0	0	0	7352	4000	Rig tanks		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2				Circulation Rate: 6 BPM					
Mud Density In: 10.7 LBS/G				Mud Density Out: 10.7 LBS/GAL				PV & YP Mud In: 14		PV & YP Mud Out: 14			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				Units:				Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>					
Displacement And Mud Removal													
Displaced By: Rig <input type="checkbox"/> BJ <input type="checkbox"/>				Amount Bled Back After Job: 3 BBLS									
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visual									
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES									
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 156				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID					
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD													
Plugs													
Number of Attempts by BJ: 0				Competition: 0				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES									
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Top of Plug: 0 FT				Bottom of Plug: 0 FT					
Squeezes (Update Original Treatment Report for Primary Job)													
BLOCK SQUEEZE <input type="checkbox"/>				SHOE SQUEEZE <input type="checkbox"/>				TOP OF LINER SQUEEZE <input type="checkbox"/>				PLANNED <input type="checkbox"/>	UNPLANNED <input type="checkbox"/>
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				PSI Applied: 0				Fluid Weight: 0 LBS/GAL	
Casing Test (Update Original Treatment Report for Primary Job)													
Casing Test Pressure: 0 PSI				With 0 LBS/GAL				Mud				Time Held: 00 Hours 00 Minutes	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None													

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Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT	Target EMW: 0 LBS/GAL	Actual EMW: 0 LBS/GAL
Number of Times Tests Conducted: 0	Mud Weight When Test was Conducted: 0 LBS/GAL	
Problems Before Job (I.E. Running Casing, Circulating Well, ETC) None		
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC) Rotating head was leaking during pre flush, the leak was bad enough that we decided to use the backup head and manifold.		
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC) None		

TIME HR:MIN.	PRESSURE/RATE DETAIL				EXPLANATION	
	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/>
	PIPE	ANNULUS				
						TEST LINES 5080 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
08:16	0	0	0	0	N/A	Leave yard
10:16	0	0	0	0	N/A	Arrive on location (Rig running casing)
10:30	0	0	0	0	N/A	Spot trucks
10:40	0	0	0	0	N/A	Pre rig up safety meeting
12:00	0	0	0	0	N/A	Done rigging up waiting for rig to finish running casing
13:30	0	0	0	0	N/A	Rig done running casing, rig up cement head for rig to circulate through
14:45	0	0	0	0	N/A	Pre job safety meeting
15:10	0	0	0	0	N/A	Wait for rig to finish circulating
16:25	0	0	0	0	N/A	Rig done circulating
16:29	370	0	1.8	3	H2O	Load pumps and lines
16:31	5080	0	0	0	H2O	Pressure test pumps and lines
16:35	740	0	7.2	20	H2O	Fresh water spacer
16:47	645	0	3.8	50	BAR	Pump weighted spacer @11 ppg
17:07	0	0	0	0	N/A	Had to break off rotating head and rig up head and manifold due to bad leak on the rotating head
17:51	730	0	6	6	H2O	Load pumps and lines
17:53	4320	0	0	0	H2O	Pressure test pumps and lines again
17:57	0	0	0	0	CMT	Batch, and weigh lead slurry @13 ppg
18:01	648	0	6.1	232	CMT	Pump 700 sacks of PLC High Strength RM + 0.45% R-3 + FL-63 + 0.2% ASA-301
18:47	863	0	5.9	418	CMT	Pump 1696 sacks of (50:50) Poz (Fly Ash): Class G Cement + 1% FL-63 + 0.2% ASA-301 + 7 lbs/sack CSE-2 + 2% Bentonite II
20:22	0	0	0	0	H2O	Release plug, wash up pumps and lines
20:31	340	0	7.2	0	H2O	Send plug start displacement fresh water + FC1000 + Xcide 725 + corrhilb 132
21:07	2227	0	6	250	H2O	Drop rate
21:14	2114	0	4.8	290	H2O	Drop rate
21:16	1906	0	3.2	300	H2O	Drop rate
21:17	2605	0	0	308	H2O	Bump plug (120 bbls of cement to surface)
21:20	0	0	0	0	H2O	Check floats (floats held)
21:23	0	0	0	0	N/A	Pre rig down safety meeting
22:45	0	0	0	0	N/A	Leave location

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1982	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	120	1047	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

