

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		LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES						
			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	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

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <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 + corhib 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
<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
						Service Supervisor Signature: 	

