

## CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM		<b>DATE</b> 08-MAR-16		<b>F.R. #</b> 10011194437		<b>SERV. SUPV.</b> ERIC S DEWIT	
<b>LEASE &amp; WELL NAME</b> HORSETAIL #07F-1808 - API 05123417790000		<b>LOCATION</b> 7-10N-57W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Unit 406		<b>TYPE OF JOB</b> Surface			
<b>SIZE &amp; TYPE OF PLUGS</b>	<b>LIST-CSG-HARDWARE</b>	<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>	<b>MD</b> <b>TVD</b>
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Centralizer, with Pins, 9-5/8 in						
	Float Collar, Auto Fill, 9-5/8 - 8rd						
	Float Shoe 9-5/8 - 8rd						
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>			
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>
Fresh Water				0	8.34	0	0
Type III Cement + Adds		C03-006-16		880	14.5	1.39	02:22
Fresh Water				0	8.34	0	0
<b>Available Mix Water</b> 200 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 200 <b>Bbl.</b>		<b>TOTAL</b>		385.19	141.50
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>	
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b> <b>TVD</b> <b>GRADE</b>
13.5	25	2036	8.921	9.625	36	CSG	2026 2026 J-55
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</b> <b>WELL FLUID</b>
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b> <b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b> <b>BTM</b> <b>SIZE</b> <b>THREAD</b> <b>TYPE</b> <b>WGT.</b>
15.	16	65	CSG	80 80	No Packer	0	0 0 9.625 8RND
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b> <b>MAX CSG PSI</b>
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b> <b>Operator</b> <b>RATED</b> <b>Operator</b>
153.3	BBLS	Fresh Water	8.34	637	0	0	0 0 2600 1500
<b>Circulation Prior to Job</b>							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: .5 Circulation Rate: 5 BPM			
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 LBS/GAL				PV & YP Mud In: 0 PV & YP Mud Out: 0			
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"/>			
<b>Displacement And Mud Removal</b>							
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.5 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: 14		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							
<b>Plugs</b>							
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			
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>							
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							
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>							
Casing Test Pressure: 1538 PSI With 8.34 LBS/GAL Mud Time Held: 00 Hours 30 Minutes							
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None</b>							
<b>PRESSURE/RATE DETAIL</b>				<b>EXPLANATION</b>			

# CEMENT JOB REPORT



## 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)  
 None

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 3026 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
09:45	0	0	0	0	N/A	Leave yard
11:46	0	0	0	0	N/A	Arrive on location (105 Miles) Rig is starting to run casing
12:00	0	0	0	0	N/A	Spot trucks
12:10	0	0	0	0	N/A	Pre rig up safety meeting
13:00	0	0	0	0	N/A	Done rigging up waiting on rig to finish running casing
14:15	0	0	0	0	N/A	Rig done running casing, rig up head and manifold
14:45	0	0	0	0	N/A	Pre job safety meeting
14:57	0	0	1.8	2	H2O	Load pumps and lines
14:59	3026	0	0	0	H2O	Pressure test pumps and lines
15:01	0	0	4.8	7	H2O	Fresh water + Dye spacer
15:04	0	0	0	0	H2O	Shut down rig did not have a valve closed
15:09	381	0	6	20	H2O	Fresh water spacer + Dye
15:14	0	0	0	0	CMT	Batch and weigh cement @14.5 ppg
15:19	355	0	4.8	217	CMT	Pump 880 sacks of Type III Cement + 0.08 lbs/sack Static Free + 0.25% Calcium Chloride + 0.25 lbs/sack Cello Flake
16:20	0	0	0	0	N/A	Shut down release plug
16:23	78	0	7.2	0	MUD	Send plug start displacement
16:33	518	0	4.8	70	MUD	Drop rate (started getting cement back, rig had to swap to a catch tank)
16:37	686	0	6.1	90	MUD	Increase rate
16:45	718	0	4.9	130	MUD	Drop rate
16:47	704	0	0	145	H2O	Drop rate
16:51	1480	0	0	153	H2O	Bump plug (83 bbls of cement back to surface)
16:51	1538	0	0	0	H2O	Start casing test (ending pressure 1519)
17:21	0	0	0	0	H2O	Check floats (floats held)
17:25	0	0	0	0	N/A	Pre rig down safety meeting
18:25	0	0	0	0	N/A	Leave location
21:45	0	0	0	0	N/A	Arrive back at the yard

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	836	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	83	397	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



