

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM		<b>DATE</b> 31-MAY-16	<b>F.R. #</b> 10011199481		<b>SERV. SUPV.</b> Anthony J Staples								
<b>LEASE &amp; WELL NAME</b> HORSETAIL #07H-0615 - API 05123430430000		<b>LOCATION</b>			<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		Float Shoe 9-5/8 - 8rd											
		Float Collar, Auto Fill, 9-5/8 - 8rd											
		Centralizer, with Pins, 9-5/8 in											
<b>MATERIALS FURNISHED BY BJ</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>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>			
Fresh Water				0	8.34	0	0		20				
Type III Cement + Adds				892	14.5	1.40	6.79	02:10	221.89	144.18			
Fresh Water					8.34	0	0		156.9				
<b>Available Mix Water</b> 200 Bbl.		<b>Available Displ. Fluid</b> 200 Bbl.		<b>TOTAL</b>		398.79	144.18						
<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>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>	
13.5	15	2083	8.921	9.625	36	CSG	2073	2073		2073	2029	1	
<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>
19.	20	90		80	80	No Packer		0	0	9.625	8RND	WATER BASED	9.2
<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>MIX WATER</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>		
156.9	BBLS	Fresh Water		8.34	649	0	0	0	0	2816	2000	frac tank	
<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: 9.2 LBS/GAL				Mud Density Out: 9.2 LBS/GAL				PV & YP Mud In:			PV & YP Mud Out:		
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 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: 16				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:				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: 1547 PSI				With 8.34 LBS/GAL Mud				Time Held: 00 Hours 30 Minutes					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: none													
<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	3000 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
14:00	0	0	0	0	N/A	Leave Yard	
16:13	0	0	0	0	N/A	Arrive on Location 110 Miles, Rig Pulling Pipe	
19:00	0	0	0	0	N/A	Spot Trucks	
19:30	0	0	0	0	N/A	Pre-Rig Up Safety Meeting	
22:50	0	0	0	0	N/A	Pre-Job Safety Meeting	
23:09	70	0	1	1	H2O	Load Lines	
23:11	3000	0	0	0	H2O	Pressure Test	
23:14	220	0	4.8	20	H2O	Fresh Water Spacer	
23:20	321	0	4.8	218	CMT	Batch, Weigh, and Pump 892sks, 14.5# Type III + .08lbs/sk Static Free + .5% CaCl + .25 lbs/sk Cello Flake	
00:30	0	0	0	0	H2O	Shut Down Wash Up	
00:35	0	0	0	0	H2O	Release Plug	
00:35	580	0	7.1	60	H2O	Displace	
00:45	796	0	4.8	10	H2O	Rate Change	
00:47	1172	0	6	60	H2O	Rate Change	
00:56	1222	0	4.8	20	H2O	Rate Change	
01:01	1597	0	2.4	7	H2O	Rate Change	
01:02	1597	0	0	0	H2O	Bump Plug @ 157 Bbls away, 82 Bbls CMT to Surface	
01:02	1547	0	0	0	H2O	Casing Test	
01:32	1574	0	0	0	H2O	Bleed Off/Check Floats 1Bbl back	
01:35	0	0	0	0	N/A	Pre-Rig Down Safety Meeting	

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1597	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 82	TOTAL BBL. PUMPED 396	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature: _____
---	--------------------------	---	---------------------------------	--------------------------	----------------------	--	-------------------------------------

