

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM		<b>DATE</b> 16-APR-14	<b>F.R. #</b> 10011060614		<b>SERV. SUPV.</b> AARON M MCWILLIAMS								
<b>LEASE &amp; WELL NAME</b> RAZOR #26L-3502B - API 05123379920000		<b>LOCATION</b> 26-10N-58W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado									
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> CADE 23		<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>							
Cement Plug, Rubber, Top 9-5/8 in		Guide Shoe, Cement Nose, 9-5/8 i											
		Float Collar, Auto Fill, 9-5/8 - 8rd											
		Centralizer, with Pins, 9-5/8 in											
		Cement Basket, Slip On, 9-5/8 in											
<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>							
Fresh Water		0		0	8.34	0							
Type III + Adds		C04-052-14		719	14.5	1.40							
Fresh water		0		0	8.34	0							
<b>Available Mix Water</b> 500 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 200 <b>Bbl.</b>		<b>TOTAL</b>		342.80 116.54							
<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	35	1790	8.921	9.625	36	CSG	1771 1771 J-55 1771 1724 0						
<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>
						No packer	0			9.625	8RD	WATER BASED	9
<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>			
130	BBLS	Fresh water	8.34	511	0	0	0	0	2816	1000	Frac tank		
<b>Circulation Prior to Job</b>													
<b>Circulated Well:</b> Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				<b>Circulation Time:</b> .5				<b>Circulation Rate:</b> 4 BPM					
<b>Mud Density In:</b> 9 LBS/GAL				<b>Mud Density Out:</b> 9 LBS/GAL				<b>PV &amp; YP Mud In:</b> 0				<b>PV &amp; YP Mud Out:</b> 0	
<b>Gas Present:</b> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>				<b>Units:</b> 0				<b>Solids Present at End of Circulation:</b> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>					
<b>Displacement And Mud Removal</b>													
<b>Displaced By:</b> Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				<b>Amount Bled Back After Job:</b> .5 BBLS									
<b>Returns During Job:</b> <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				<b>Method Used to Verify Returns:</b> Visually									
<b>Cement Returns at Surface:</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				<b>Were Returns Planned at Surface:</b> <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES									
<b>Pipe Movement:</b> <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
<b>Centralizers:</b> <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				<b>Quantity:</b> 12				<b>Type:</b> <input type="checkbox"/> BOW <input type="checkbox"/> RIGID					
<b>Job Pumped Through:</b> <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD													
<b>Plugs</b>													
<b>Number of Attempts by BJ:</b> 0				<b>Competition:</b> 0				<b>Wiper Balls Used:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <b>Quantity:</b>					
<b>Plug Catcher Used:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>Parabow Used:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES									
<b>Was There a Bottom:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>Top of Plug:</b> 0 FT				<b>Bottom of Plug:</b> 0 FT					
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>													
<b>BLOCK SQUEEZE</b> <input type="checkbox"/> <b>SHOE SQUEEZE</b> <input type="checkbox"/> <b>TOP OF LINER SQUEEZE</b> <input type="checkbox"/> <b>PLANNED</b> <input type="checkbox"/> <b>UNPLANNED</b> <input type="checkbox"/>													
<b>Liner Packer:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>Bond Log:</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				<b>PSI Applied:</b> 0 <b>Fluid Weight:</b> 0 LBS/GAL					
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>													
<b>Casing Test Pressure:</b> 1545 PSI						<b>With</b> 9 LBS/GAL <b>Mud</b>			<b>Time Held:</b> 00 Hours 15 Minutes				
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None</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	2414 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
02:30	0	0	0	0	N/A	Yard call	
05:20	0	0	0	0	N/A	Leave yard	
07:50	0	0	0	0	N/A	Arrive on location 125 miles	
08:00	0	0	0	0	N/A	Spot trucks	
08:10	0	0	0	0	N/A	Pre rig up safety meeting	
10:15	0	0	0	0	N/A	Pre job safety meeting	
10:45	24	0	2	2	H2O	Load pumps and lines	
10:48	2414	0	0	0	H2O	Pressure test pumps and lines	
10:52	142	0	4.8	20	H2O	Fresh water pre flush	
10:56	124	0	4.8	10	H2O	Dyed spacer	
11:04	251	0	5	180	CMT	Baych up and pump 719 sks of TYPE III + 0.08 lbs/sack Static Free + 1% Calcium + 0.25 lbs/sack Cello Flake 14.5 ppg 1.4 yield 6.81 gps	
11:54	0	0	0	0	N/A	Drop plug	
12:03	612	0	6	95	H2O	Displacement	
12:23	589	0	3.6	15	H2O	Displacement rate change	
12:28	585	0	2.4	20	H2O	Displacement rate change	
12:36	632	0	2.4	130	H2O	Bump plug	
12:36	780	0	0	0	N/A	Plug down @ 130 bbl's 35 bbl's of CMT back	
13:39	0	0	0	0	N/A	Check float Held	
12:42	1545	0	0	0	N/A	Casing test	
12:50	0	0	0	0	N/A	Bleed pressure off / Rig down safety meeting	

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	632	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	35	342	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	