

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP				<b>DATE</b> 13-MAY-14		<b>F.R. #</b> 10011067128		<b>SERV. SUPV.</b> RYAN R STEVENS									
<b>LEASE &amp; WELL NAME</b> RAZOR FEDERAL #26L-2303A - API 0512337989001				<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> Intermediate									
<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 7 in		Float Collar, Al Flap, 7 - 8rd		None		0	0	None		0	0						
		Float Shoe 7 - 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>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>			
Ultra Flush II Spacer				0				10.5		0		0 00:00		20			
(35:65) + LW-6 + Adds				317				10.5		2.64		8.85		149.02		66.83	
Drilling mud				0				10.1		0		0 00:00		218.65			
(35:65) + LW-6 + Adds				94				10.5		3.12		10.48		52.26		23.46	
<b>Available Mix Water</b> 500 <b>Bbl.</b>				<b>Available Displ. Fluid</b> 500 <b>Bbl.</b>				<b>TOTAL</b>				439.93		90.29			
<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>					
8.75	0	5995	6.184	7	29	CSG	5886	5886	N-80	5886	5839	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>				
8.9	9.63	36	CSG	1517	1517	No Liner	0	0	0	7	8RD	WATER BASED	10.1				
<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>							
218.6	BBLS	Drilling mud	10.1	659	0	0	0	0	6528	3000	Rig tank						
<b>Circulation Prior to Job</b>																	
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 7 BPM								
Mud Density In: 10.1 LBS/G Mud Density Out: 10.1 LBS/GAL						PV & YP Mud In: 7			PV & YP Mud Out: 15								
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:											
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES											
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE																	
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 20			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID								
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input 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: 0 PSI						With 0 LBS/GAL Mud			Time Held: 00 Hours 00 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	4081 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
10:00	0	0	0	0	N/A	Yard call	
18:05	0	0	0	0	N/A	Time left district	
20:31	0	0	0	0	N/A	Time arrived on location (rig Just beginning to run CSG)	
05:12	0	0	0	0	N/A	Rig rigging down casing crew	
05:30	0	0	0	0	N/A	Spot trucks	
05:45	0	0	0	0	N/A	Pre rig up safety meeting	
06:45	0	0	0	0	N/A	Pre job safety meeting	
07:17	4081	0	0	0	WATER	Pressure test	
07:18	520	0	7.2	10	WATER	Fresh water spacer	
07:35	210	0	3.8	20	SPACER	Ultra Flush II	
07:53	290	0	5	151	CEMENT	Batch up, weigh and pump 3127 SXS (35:65) POZ (Fly Ash): Class G Cement + 0.06 Lbs/Sack Static Free + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-52 + 0.5% SMS + 5% CSE-2 @ 10.5 PPG	
08:37	0	0	3.6	56	CEMENT	Batch up, weigh and pump 94 SXS of (35:65) POZ ( Fly Ash ) Class G + 0.06 LBS/Sack Static free + 54.44% LW-6 + 1.2 FL-25 + 0.5 SMS + 20% Silca Sand, 100 Mesh + 5% CSE-2 @ 10.5 PPG	
08:56	0	0	0	0	N/A	Shut down drop plug	
09:01	915	0	6	150	MUD	Displacement	
09:25	945	0	5	70	MUD	Drop rate	
09:41	628	0	2.4	4	MUD	Drop rate	
09:49	1578	0	2.4	224	MUD	Bump plug @ 224 Bbls away per inventory tanks	
10:00	0	0	0	0	N/A	Check Floats Casing test was good	
10:02	0	0	0	0	N/A	Pre rig down safety meeting	
11:10	0	0	0	0	N/A	Time off location	
BUMPED PLUG <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 1578	TEST FLOAT EQUIP. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 22	TOTAL BBL. PUMPED 461	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Service Supervisor Signature: