





# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP				<b>DATE</b> 23-NOV-13		<b>F.R. #</b> 10011029258		<b>SERV. SUPV.</b> RYAN R STEVENS				
<b>LEASE &amp; WELL NAME</b> RAZOR #27I-2213A - API 05123379560000				<b>LOCATION</b> 27-10N-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		Float Collar, Al Flap, 9-5/8 - 8rd		None		0	0	None		0	0	
		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>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>
Fresh water						0	8.34	0	0	00:00	15	
TypeIII+1%CaCl+.25CF						688	14.5	1.40	6.81	01:30	171.76	111.51
Fresh water						0	8.34	0	0	00:00	121.6	
<b>Available Mix Water</b> 500 <b>Bbl.</b>				<b>Available Displ. Fluid</b> 500 <b>Bbl.</b>				<b>TOTAL</b>		308.36	111.51	
<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	0	1635	8.921	9.625	36	CSG	1618	1618	P-110	1618	1573	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>WGT.</b>
						No Liner	0			9.625	8RD	9.5
<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>		
121.6	BBLS	Fresh water	8.34	589	0	0	0	0	2816	1500	Rig Tank	
<b>Circulation Prior to Job</b>												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 5 BPM			
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 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 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 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: 12		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: 1529 PSI With 8.34 LBS/GAL Mud						Time Held: 00 Hours 15 Minutes						
<b>Shoe Test (Update Original Treatment Report for Primary Job)</b>												
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						



# CEMENT JOB REPORT



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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 5279 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
04:30	0	0	0	0	N/A	Yard call
07:41	0	0	0	0	N/A	Time left district
10:07	0	0	0	0	N/A	Time arrived on location ( Miles to location)
10:15	0	0	0	0	N/A	Spot trucks
10:20	0	0	0	0	N/A	Pre rig up safety meeting
11:35	0	0	0	0	N/A	Pre job safety meeting
11:55	188	0	.8	2	WATER	Load lines
11:58	5279	0	0	0	WATER	Pressure test
12:03	152	0	4.9	20	WATER	Fresh water spacer
12:15	101	0	4.5	168	CEMENT	Batch up, weigh and pump 688 SXS of Type III cement + 0.08 Lbs/sack Static Free + 1% Calcium Chloride + 0.25 Lbs/Sack Cello Flake @ 14.5 PPG
12:58	0	0	0	0	N/A	Release Plug
13:05	279	0	6	100	WATER	Start Displacement
13:14	589	0	2.4	21	WATER	Drop rate
13:35	968	0	2.4	121.8	WATER	Land Plug
13:38	0	0	0	0	N/A	Check Floats
13:40	1529	0	0	0	WATER	Casing test
13:57	1555	0	0	0	WATER	Bleed off casing
14:04	0	0	0	0	N/A	Pre rig down safety meeting
15:00	0	0	0	0	N/A	Time off 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	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	968	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	21	302	0	Y <input checked="" type="checkbox"/> N	