

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP		<b>DATE</b> 08-SEP-13		<b>F.R. #</b> 10011012372		<b>SERV. SUPV.</b> STEVEN S ISCHE	
<b>LEASE &amp; WELL NAME</b> RAZOR #27K-3408B - API 05123376970000		<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>
9-5/8" Top Cem Plug, Nitrile cvr, Phc		Guide Shoe, Cement Nose, 9-5/8 i		NONE		0	0
		Float Shoe 9-5/8 - 8rd					
		Centralizer, Positive, 9-5/8 in					
		Cement Basket, Hinged, 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>	<b>WATER GPS</b>
Fresh water		N/A		0	8.34	0	0
TypeIII+1%CaCl+.25CF		N/A		667	14.5	1.40	6.81
Fresh water		N/A		0	8.34	0	0
<b>Available Mix Water</b> 500 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 500 <b>Bbl.</b>		<b>TOTAL</b>		288	97.39
<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>
13.5	25	1500	8.921	9.625	36	CSG	1578
				<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>
				J-55	1578	1534	0
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</b>	
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>SIZE</b>	<b>THREAD</b>
						9.625	8RD
		NO PACKER		0		WATER BASED	
<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>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>
118	BBLS	Fresh water	8.34	490	0	0	0
				<b>MAX CSG PSI</b>	<b>MAX TBG PSI</b>	<b>MAX CSG PSI</b>	<b>MIX WATER</b>
				2360	1564	1564	FRAC TANK
<b>Circulation Prior to Job</b>							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 9.5 LBS/GAL				Mud Density Out: 9.5 LBS/GAL			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				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: 2 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"/> 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: 13			
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
<b>Plugs</b>							
Number of Attempts by BJ: 0				Competition: 0			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <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: 1564 PSI							
With 8.34 LBS/GAL Mud							
Time Held: 00 Hours 15 Minutes							
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE</b>							

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## 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 3350 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
14:00	0	0	0	0	N/A	YARD CALL			
16:53	0	0	0	0	N/A	LEAVE YARD			
18:50	0	0	0	0	N/A	ARRIVE ON LOCATION			
21:00	0	0	0	0	N/A	SPROT TRUCKS AND PRE RIG UP SAFTY MEETING			
00:30	0	0	0	0	N/A	SAFTY MEETING WITH CREW			
00:51	26	0	1	2	H2O	LOAD LINES			
00:56	3350	0	0	0	H2O	PRESSURE TEST			
00:58	200	0	6	10	H2O	FRESH WATER SPACER			
01:00	218	0	6	10	H2O	DYE WATER SPACER			
01:05	218	0	3.6	150	CEMENT	BATCH UP, WHEIGH AND SEND 14.5# LEAD			
01:50	0	0	0	0	N/A	DROP PLUG			
01:55	585	0	6	90	H2O	DISPLACEMENT			
02:11	659	0	4.8	20	H2O	RATE CHANGE			
02:15	585	0	2	8	H2O	RATE CHANGE			
02:19	1099	0	0	0	N/A	BUMP PLUG			
02:22	0	0	0	0	N/A	TEST FLOATS AND RIG DOWN SAFTY MEETING			
02:25	1564	0	0	0	H2O	CASING TEST			
02:40	0	0	0	0	N/A	END CASING TEST AND RIG DOWN SAFTY MEETING			
03:30	0	0	0	0	N/A	LEAVE LOCATION			
<div><div><div>BUMPED PLUG</div><div><input type="checkbox"/> Y    N</div></div><div><div>PSI TO BUMP PLUG</div><div>1099</div></div><div><div>TEST FLOAT EQUIP.</div><div><input type="checkbox"/> Y    N</div></div><div><div>BBL.CMT RETURNS/ REVERSED</div><div>9</div></div><div><div>TOTAL BBL. PUMPED</div><div>290</div></div><div><div>PSI LEFT ON CSG</div><div>0</div></div><div><div>SPOT TOP OUT CEMENT</div><div>Y    <input type="checkbox"/> N</div></div><div><div>Service Supervisor Signature:</div><div></div></div></div>									