

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP		<b>DATE</b> 25-SEP-13	<b>F.R. #</b> 10011015698		<b>SERV. SUPV.</b> JASON L SJOBERG								
<b>LEASE &amp; WELL NAME</b> RAZOR #271-2214B - API 05123379490000		<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> 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 MD TVD</b>							
Cement Plug, Rubber, Top 7 in	Float Collar, Auto Fill, 7 - 8rd												
	Float Shoe 7 - 8rd												
	Centralizer, with Pins, 7 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>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>				
Ultra Flush II Spacer	0		0	10.5	4.72	32.49		20	18.40				
(35:65) Poz:G+LW6+.1%R3+1.2%FL25+.5%SMS+5%C	C0907613		307	10.5	2.64	8.86		144.32	64.80				
Fresh Water	0		0	8.34	0	0		232.55					
(35:65) Poz:G+LW6+1.2%FL25+.5%SMS+20%SS+5%	C0907613		114	10.5	3.12	10.49		63.38	28.48				
<b>Available Mix Water</b> 400 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 400 <b>Bbl.</b>		<b>TOTAL</b>		460.25		111.69					
<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	6375	6.184	7	29	CSG	6359	6359	P-110	6359	6313	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	1578	1578	No Packer	0	0	0	7	8 RND	WATER BASED	10
<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>			
232.6	BBLS	Fresh Water	8.34	692	0	0	0	0	8976	3000	Rig		
<b>Circulation Prior to Job</b>													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 6 BPM				
Mud Density In: 10 LBS/GAL Mud Density Out: 10 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: 1.5 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: 49		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: 1527 PSI With 10 LBS/GAL Mud						Time Held: 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)

Bulk truck broke down a few miles from location around 6:10. Mechanics were called and they fixed the problem (fuel pump fuse was shorting out.) Bulk truck back on location about 11:00.

### 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	4250 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
23:45	0	0	0	0	N/A	Yard Call	
03:05	0	0	0	0	N/A	Leave Yard	
06:30	0	0	0	0	N/A	Arrive on Location	
08:00	0	0	0	0	N/A	Spot Trucks/Pre Rig-up Safety Meeting	
09:10	0	0	0	0	N/A	Safety Meeting	
11:39	4250	0	0	0	H2O	Pressure Test Pump and Lines	
12:01	50	0	3.6	20	H2O	Preflush Ultraflush II @ 10.5#	
12:13	229	0	5	141	CMT	Batdh, Weigh, Pump 10.5 # (35:65) Poz:G+LW6+.1%R3+1.2%FL25+.5%SMS+5%CSE2	
12:45	178	0	5.1	76	CMT	Pump 10.5# (35:65) Poz:G+LW6+1.2%FL25+.5%SMS+20%SS+5%CSE2	
13:03	0	0	0	0	N/A	Drop Plug	
13:10	560	0	7.1	110	MUD	Displacement	
13:29	1171	0	6	70	MUD	Drop Rate	
13:43	1120	0	2	5	MUD	Drop Rate	
13:45	1349	0	4	49	MUD	Increase Rate	
13:54	1454	0	4	234	MUD	Bump Plug	
13:58	2169	0	0	0	N/A	Check Floats	
14:04	1527	0	0	0	N/A	Casing Test	
14:30	0	0	0	0	N/A	Post Job 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	1454	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	54	485	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	