

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP		<b>DATE</b> 01-FEB-14		<b>F.R. #</b> 10011043815		<b>SERV. SUPV.</b> BARLEN M JOYNER	
<b>LEASE &amp; WELL NAME</b> RAZOR #11E-1403A - API 05123385350000		<b>LOCATION</b> 11-10N-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>
Cement Plug, Rubber, Top 7 in		Float Collar, AI Flap, 7 - 8rd		NONE		0	0
		Float Shoe 7 - 8rd					
		Centralizer, with Pins, 7 in					
<b>PHYSICAL SLURRY PROPERTIES</b>							
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>
Ultra Flush II Spacer		0		0	10.5	0	0
(35:65) + LW-6 + Adds		0		319	10.5	2.64	8.86
Drilling Mud		0		0	10	0	0
(35:65) + LW-6 + Adds		0		107	10.5	3.12	10.49
<b>Available Mix Water</b> 500 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 250 <b>Bbl.</b>		<b>TOTAL</b>		462.65	94.07
<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>
8.75	0	6336	6.184	7	29	CSG	6321
						<b>TVD</b>	<b>GRADE</b>
						6013	P-110
						<b>SHOE</b>	<b>FLOAT</b>
						6321	6277
						<b>STAGE</b>	
						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>BRAND &amp; TYPE</b>	<b>DEPTH</b>
8.9	9.63	36	CSG	1800	1800	NO LINER	0
						<b>TOP</b>	<b>BTM</b>
						0	0
						<b>SIZE</b>	<b>THREAD</b>
						7	8RD
						<b>WELL FLUID</b>	
						WATER BASED	
						<b>WGT.</b>	
						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>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>
233.2	BBLS	Drilling Mud	10	165	0	0	0
						<b>Operator</b>	<b>MAX CSG PSI</b>
							<b>RATED</b>
							<b>Operator</b>
							6780
							3000
						<b>MIX WATER</b>	
						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: 10 LBS/GAL Mud Density Out: 10 LBS/GAL				PV & YP Mud In: 36		PV & YP Mud Out: 36	
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: 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: 15		Type: <input checked="" 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 checked="" 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: 1666 PSI With 10 LBS/GAL Mud				Time Held: 00 Hours 15 Minutes			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE							

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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) RIG HAD BHI SLOW RATE DOWN ON DISPLACEMENT BECAUSE THEY COULDN'T PUMP OUT OF THE CELLAR FAST ENOUGH, DID NOT GET GOOD TURBULANT FLOW ON DISPLACEMENT.		
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 4283 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
08:30	0	0	0	0	N/A	YARD CALL
15:56	0	0	0	0	N/A	ARRIVE ON LOCATION (128 MILES) FINISHING UP CASING
16:03	0	0	0	0	N/A	SPOT TRUCKS
16:10	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING
16:30	0	0	0	0	N/A	CONTRACTORS SHOWED UP TO LOAD SILO
17:10	0	0	0	0	N/A	CONTRACTORS DONE LOADING SILO & LEAVING LOCATION
17:30	0	0	0	0	N/A	SAFETY MEETING
17:57	4283	0	0	0	WATER	PRESSURE TEST
18:03	378	0	3.7	20	WATER	ULTRA-FLUSH SPACER
18:12	504	0	4.8	150	CMT	BATCH UP, WEIGH AND PUMP 319 SX OF POZ/G + 0.06 LBS/SACK STATIC FREE + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-25 + 0.5% SMS + 5% CSE-2 @ 10.5 PPG
18:58	353	0	4.7	58	CMT	BATCH UP, WEIGH AND PUMP 107 SX OF POZ/G + 0.06 LBS/SACK STATIC FREE + 54.44% LW-6 + 1.2% FL-25 + 0.5% SMS + 5% CSE-2 + 20% S-8 @ 10.5 PPG
19:17	0	0	0	0	N/A	RELEASE PLUG
19:21	807	0	6.1	214	MUD	START DISPLACEMENT
19:54	757	0	4.8	10	MUD	DROP RATE
20:06	706	0	3.6	10	MUD	DROP RATE
20:08	791	0	3.6	234	MUD	BUMP PLUG
20:08	1771	0	0	0	N/A	PLUG DOWN @ 234 BBLs
20:08	1666	0	0	0	MUD	START CASING TEST
20:23	1464	0	0	0	N/A	END CASING TEST
20:25	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING
21:00	0	0	0	0	N/A	TIME OFF LOCATION

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 791	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 30	TOTAL BBL. PUMPED 462	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature:
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## Razor11e-1403a(C973) Intermediate

