

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP			<b>DATE</b> 04-JUN-14		<b>F.R. #</b> 10011072912			<b>SERV. SUPV.</b> VITALIJS A NEVERDASOV						
<b>LEASE &amp; WELL NAME</b> RAZOR #26L-3501A - API 05123379900000			<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												
		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				n/a		0	10.5	0	0	00:00	20			
(35:65) + LW-6 + Addis				n/a		317	10.5	2.64	8.85	00:00	149.02	66.83		
Fresh Water				n/a		0	8.34	0	0	00:00	217.47			
(35:65) + LW-6 + Addis				n/a		94	10.5	3.12	10.48	00:00	52.26	23.46		
Available Mix Water 380 Bbl.			Available Displ. Fluid 260 Bbl.			<b>TOTAL</b>			438.75	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	36	5978	6.184	7	29	CSG	5958	5600	L-80	5958	5913	1		
<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	1519	1519	NO PACKER		0	0	0	7	8RND	WATER BASED	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>			
219.7	BBLS	Fresh Water		8.34	552	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: 1				Circulation Rate: 5 BPM						
Mud Density In: 9.5 LBS/GAL				Mud Density Out: 9.5 LBS/GAL				PV & YP Mud In: 8		PV & YP Mud Out: 8				
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"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 40				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: 1517 PSI				With 8.34 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)  
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	4010 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
06:38	0	0	0	0	N/A	LEAVE DISTRICT	
09:52	0	0	0	0	N/A	ARRIVE ON LOCATION, 127 MILES/ RIG IS RUNNING CASING	
10:03	0	0	0	0	N/A	SPOT TRUCKS	
10:07	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
13:26	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
14:21	420	0	1	2	H2O	LOAD LINE	
14:26	4010	0	.4	.1	H2O	PRESSURE TEST	
14:30	620	0	4.1	10	H2O	FRESHWATER SPACER	
14:41	889	0	5.6	20	H2O	PUMP ULTRA FLUSH SPACER @ 10.5 PPG	
14:52	652	0	4.1	157	CMT	BATCHWEIGH/PUMP 317 SX OF LEAD CEMENT @ 10.5 PPG	
15:38	371	0	4.1	55	CMT	PUMP 94 SX OF TAIL CEMENT @ 10.5 PPG	
15:57	0	0	0	0	N/A	SHUT DOWN/ DROP PLUG	
16:03	812	0	5.6	90	H2O	DISPLACEMENT	
16:27	280	0	1.3	30	H2O	SLOW DOWN/ RIG COULD NOT TRANSFER RETURNS FAST ENOUGH	
16:44	673	0	3.5	80	H2O	PICK UP RATE	
17:10	863	0	2.4	9	H2O	SLOW RATE	
17:17	1495	0	0	219	H2O	BUMP PLUG	
17:22	0	0	0	0	N/A	CHECK FLOATS/ FLOATS HELD	
17:30	1558	0	1.3	1.5	H2O	CASING TEST	
17:45	0	0	0	0	N/A	BLEED OFF	
17:53	0	0	0	0	N/A	RIG DOWN 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	863	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	80	461	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

