

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP		<b>DATE</b> 29-JUN-14	<b>F.R. #</b> 10011079099	<b>SERV. SUPV.</b> ERIC S DEWIT	
<b>LEASE &amp; WELL NAME</b> RAZOR #26L-3504B - API 05123379880000		<b>LOCATION</b> 26-10N-58W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado	
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b>		<b>TYPE OF JOB</b> Intermediate	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 7 in	Float Collar, Auto Fill, 7 - 8rd						
	Float Shoe 7 - 8rd						
	Centralizer, with Pins, 7 in						

PHYSICAL SLURRY PROPERTIES								
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Ultra Flush II Spacer		0	10.5	0	0	00:00	20	
(35:65) + LW-6 + Adds		317	10.5	2.64	8.85	07:28	149.02	66.83
Fresh Water		0	8.34	0	0	00:00	224.23	
(35:65) + LW-6 + Adds		108	10.5	3.12	10.48	09:53	60.04	26.96
Available Mix Water 400 Bbl.		Available Displ. Fluid 280 Bbl.		TOTAL		453.29		93.79

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	35	6076	6.184	7	29	CSG	6143	5667	P-110	6143	6099	1

LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH			TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	WGT.
8.9	9.63	36	CSG	1534	1534	No packer	0	0	0	7	8RND	10.5

DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI		MAX CSG PSI		MIX WATER	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	RATED	Operator	RATED	Operator	
226.5	BBLS	Fresh Water	8.34	635	0	0	0	0	0	8976	3000	Rig tank			

Circulation Prior to Job																			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					Circulation Time: 1					Circulation Rate: 4 BPM									
Mud Density In: 10.5 LBS/G					Mud Density Out: 10.5 LBS/GAL					PV & YP Mud In: 12					PV & YP Mud Out: 12				
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"/>									

Displacement And Mud Removal														
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: 11					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														

Plugs														
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				

Squeezes (Update Original Treatment Report for Primary Job)																			
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				

Casing Test (Update Original Treatment Report for Primary Job)														
Casing Test Pressure: 1630 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)  
 Had to pump at slower rate because fisher pump in cellar could not keep up with rate.

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 4318 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
20:00	0	0	0	0	N/A	Yard call			
23:03	0	0	0	0	N/A	Leave district			
01:37	0	0	0	0	N/A	Arrive on location, 122 miles, rig running casing			
03:50	0	0	0	0	N/A	Spot trucks			
04:00	0	0	0	0	N/A	Pre rig up safety meeting			
05:30	0	0	0	0	N/A	Pre job safety meeting			
05:57	211	0	1.5	2	H2O	Load lines			
06:00	4318	0	0	0	H2O	Pressure test pump & lines			
06:12	468	0	4.8	20	BAR	Barite spacer with ultra flush @ 10.5#			
06:17	0	0	0	0	N/A	Shut down			
06:19	455	0	4.8	0	CMT	Batch, weigh, pump lead cement @ 10.5#			
06:34	222	0	2.2	165	CMT	Slowed rate, returns at cellar pump could not stay with 4.8 rate of returns			
07:28	215	0	2.2	69	CMT	Pump tail cement @ 10.5#			
08:00	0	0	0	0	N/A	Shut down			
08:02	0	0	0	0	N/A	Drop plug			
08:10	611	0	4.8	20	H2O	Displace with fresh water			
08:15	370	0	3.6	8	H2O	Slow rate			
08:17	245	0	2.4	6	H2O	Slow rate			
08:19	212	0	2	12	H2O	Slow rate			
08:25	398	0	1.8	42	H2O	Displacement			
08:50	0	0	0	0	N/A	Shut down, switch to catch tank possible cement to surface			
08:54	1019	0	4.8	41	H2O	Displacement			
09:03	0	0	0	0	N/A	Shut down to switch catch tanks			
09:08	578	0	1.5	3	H2O	Displacement			
09:11	676	0	2	12	H2O	Increase rate			
09:17	781	0	3	12	H2O	Increase rate			
09:21	860	0	3.6	7	H2O	Increase rate			
09:23	1019	0	4.8	5	H2O	Increase rate			
09:25	650	0	1	8	H2O	Slowed rate to switch to other water tank			
09:33	1090	0	3.6	43.5	H2O	Displacement			
09:48	1630	0	0	0	N/A	Bumped plug 226.5 bbls			
10:03	1748	0	0	0	N/A	Casing test for 15 min			
10:03	0	0	0	0	N/A	Check float, float held, 1.5 bbls bleed back			
10:05	0	0	0	0	N/A	Rig down safety meeting			



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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	4318 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
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	1090	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	61.5	482.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	





Baker Hughes JobMaster Program Version 3.60

Job Number: 10011079099

Customer: Whiting

Well Name: Razor 26L-3504B

## Razor 26L-3504B, Int

