

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM			<b>DATE</b> 27-AUG-13		<b>F.R. #</b> 10011010365			<b>SERV. SUPV.</b> BARLEN M JOYNER						
<b>LEASE &amp; WELL NAME</b> RAZOR #27K-3406B - API 05123377080000				<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> Liner						
<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 4-1/2 in		Float Collar, Al Flap, 4-1/2 - 8rd			NONE			0	0	Liner		12367	12367	
		Float Shoe 4-1/2 - 8rd												
<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>
(50:50:2) + Adds				0				506	14.5	1.44	6.18		129.77	74.49
Fresh Water				0				0	8.34	0	0	00:00	146	
Ultraflush II				0				0	12	0	0	00:00	20	
Fresh Water				0				0	8.34	0	0	00:00	10	
Fresh Water				0				0	8.34	0	0	00:00	120	
Drilling Mud				0				0	9.2	0	0	00:00	126	
<b>Available Mix Water</b> 500 Bbl.				<b>Available Displ. Fluid</b> 200 Bbl.				<b>TOTAL</b>				551.77	74.49	
<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>		
6	0	12383	4	4.5	11.6	CSG	12367	7278	N-80	12367	12319	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>
6.3	7	26	CSG	6323	5667	LINER			0	0	4	8RD	WATER BASED	9.2
<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>				
146	BBLS	Fresh Water	8.34	1200	0	0	0	0	6890	5000	RIG TANK			
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 3 BPM						
Mud Density In: 9.2 LBS/GAL				Mud Density Out: 9.2 LBS/GAL				PV & YP Mud In: 32		PV & YP Mud Out: 32				
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 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:				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: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 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)  
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	4586 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
12:00	0	0	0	0	N/A	YARD CALL	
16:40	0	0	0	0	N/A	ARRIVE ON LOCATION (107 MILES) PULLING DRILL PIPE	
18:30	0	0	0	0	N/A	RUNNING CASING IN THE HOLE	
23:20	0	0	0	0	N/A	RIGGING DOWN CASERS	
23:30	0	0	0	0	N/A	SPOT TRUCKS	
23:40	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING	
00:00	0	0	0	0	N/A	RUNNING DRILL PIPE INTO THE HOLE	
02:28	0	0	0	0	N/A	DROP BALLS	
02:50	0	0	0	0	N/A	SAFETY MEETING	
03:15	4586	0	0	0	WATER	PRESSURE TEST	
03:26	640	0	3.5	126	WATER	PUMP BALLS DOWN	
04:05	1534	0	0	0	WATER	SEAT BALLS	
04:13	2618	0	0	0	WATER	BLOW BALL SEAT	
04:28	959	0	4.1	10	WATER	FRESH WATER SPACER	
04:31	837	0	4.1	20	WATER	ULTRA FLUSH II	
04:40	1060	0	4.9	125	CMT	BATCH UP, WEIGH AND PUMP 506 SX OF POZ/G + 0.2% R-3 + 0.2% FL-63 + 0.6% FL-52 + 3% BENTONITE + 20% S-8 + 0.2% BA-59 @ 14.5 PPG	
05:11	0	0	0	0	N/A	RELEASE DART	
05:19	288	0	5.4	21	WATER	START DISPLACEMENT	
05:24	31	0	2.1	10	WATER	SLOW RATE	
05:29	1489	0	4.9	105	WATER	INCREASE RATE	
05:52	738	0	2	10	WATER	SLOW RATE	
05:56	810	0	2	146	WATER	BUMP PLUG	
05:56	1770	0	0	0	N/A	PLUG DOWN @ 146 BBLs	
05:59	2946	0	0	0	WATER	PRESSURE UP ON RUPTURE DISC	
06:06	636	0	.8	1	WATER	OVER DISPLACE BY 1 BBL	
06:19	1527	0	0	0	WATER	TEST BACKSIDE	
06:40	1302	0	6.1	120	WATER	FLUSH WELL	
07:03	0	0	0	0	N/A	JOB DONE	
07:05	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING	
07:45	0	0	0	0	N/A	TIME OFF LOCATION	

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	810	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	10	547	0	Y <input checked="" type="checkbox"/> N	