

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM		<b>DATE</b> 12-MAR-14	<b>F.R. #</b> 10011051919		<b>SERV. SUPV.</b> VITALIJS A NEVERDASOV		
<b>LEASE &amp; WELL NAME</b> RAZOR #11E-0201A - API 05123385370000		<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> 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>	
Dart For Plug Catcher, 4-1/2 In	Float Collar, Al Flap, 4-1/2 - 8rd	Liner Packer	5135	5135	Liner	5144 5144	
Cement Plug, Rubber, Top 4-1/2 in	Float Shoe 4-1/2 - 8rd						
<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>	<b>PUMP TIME HR:MIN</b> <b>Bbl SLURRY</b> <b>Bbl MIX WATER</b>	
50:50 + Adds	C0302914	581	14.5	1.21	5.26	08:10 125.59 72.83	
Fresh Water	N/A	0	8.34	0	0	00:00 169.92	
Ultraflush II	N/A	0	12	0	0	00:00 20	
Fresh Water	N/A	0	8.34	0	0	00:00 10	
<b>Available Mix Water</b> 400 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 300 <b>Bbl.</b>		<b>TOTAL</b>		325.51 72.83	
<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	15	12475	4	4.5	11.6	CSG	12473 12473 L-80 12473 12383 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>
6.2	7	29	CSG	6325	6325	LINER PACKER, BAKER HUG	5121 0 0 4 8RND WATER BASED 10.2
<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>
169.9	BBLS	Fresh Water	8.34	1063	0	0	0 0 6224 3000 RIG TANK
<b>Circulation Prior to Job</b>							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2		Circulation Rate: 5 BPM	
Mud Density In: 9.9 LBS/GAL Mud Density Out: 9.9 LBS/GAL				PV & YP Mud In: 13		PV & YP Mud Out: 13	
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 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>							
<b>PRESSURE/RATE DETAIL</b>				<b>EXPLANATION</b>			

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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 4283 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
00:55	0	0	0	0	N/A	LEAVE DISTRICT	
05:35	0	0	0	0	N/A	ARRIVE ON LOCATION, 123 MILES/ RIG IS RUNNING CASING/CUSTOMER REQUESTED CREW @ 11:00 AM	
16:10	0	0	0	0	N/A	SPOT TRUCKS	
16:17	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
18:58	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
20:14	4283	0	.4	.5	N/A	PRESSURE TEST	
20:22	1035	0	3.6	20	H2O	PUMP ULTRA FLUSH SPACER @ 12 PPG	
20:33	1512	0	4.8	124	CMT	BATCHWEIGH/PUMP 581 SX OF CEMENT @ 14.5 CMT PPG	
21:06	0	0	0	0	N/A	SHUT DOWN/WASH UP PUMP AND LINES/DROP PLUG	
21:18	1157	0	4.8	30	H2O	DISPLACEMENT	
21:25	748	0	3	10	H2O	SLOW DOWN TO PICK UP PLUG	
21:31	2253	0	4.5	100	H2O	PICK UP RATE	
21:55	1740	0	2.9	9	H2O	SLOW RATE	
21:58	2758	0	0	0	H2O	BUMP PLUG	
22:00	0	0	0	0	N/A	CHECK FLOATS/FLOATS HELD	
22:17	0	1541	1	1	H2O	BACK SIDE TEST	
22:22	0	0	0	0	H2O	BLEED OFF	
22:31	540	0	1	1	H2O	PRESSURE UP ON DRILL PIPE	
22:34	1650	0	6	155	H2O	ROLL HOLE CLEAN	
23:10	0	0	0	155	N/A	SHUT DOWN	
23:10	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	1740	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	450	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

