

## CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM		<b>DATE</b> 07-MAR-15		<b>F.R. #</b> 10011142432		<b>SERV. SUPV.</b> Robert N Rasmussen							
<b>LEASE &amp; WELL NAME</b> RAZOR #11G-0210B - API 05123387300000		<b>LOCATION</b> 11-10N-58W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado									
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Xtreme 18		<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>			
7" Top Cem Plug, Nitrile cvr, Phen		Float Collar, Auto Fill, 7 - 8rd		N/A		0	0	N/A	0	0			
		Float Shoe 7 - 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>			
Ultra Flush II Spacer		N/A		0	10.5	1.15	0	00:00	20	0			
20:80 (POZ:TYPE III) + Addis		C03-029-15		381	12.5	2.21	12.06	03:37	141	102.76			
Fresh Water		N/A		0	8.34	0	0	00:00	243				
50:50 (POZ:CLASS G) + Addis		C03-029-15		182	13.8	1.72	7.94	05:57	54.5	33.55			
Fresh Water		N/A		0	8.34	0	0	00:00	10				
<b>Available Mix Water</b> 320 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 300 <b>Bbl.</b>		<b>TOTAL</b>		468.5		136.31					
<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	20	6300	6.184	7	29	CSG	6300	5969		6533	6491	0	
			6.214	7	28	CSG	6533	5150	L-80				
<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	1876	1876	NO PACKER	0	0	0	7	8 RND	WATER BASED	10.4
<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>			
243	BBLS	Fresh Water	8.34	1140	0	0	0	0	8160	6528	RIG		
<b>Circulation Prior to Job</b>													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 7 BPM				
Mud Density In: 10.4 LBS/G Mud Density Out: 10.4 LBS/GAL						PV & YP Mud In: 14			PV & YP Mud Out: 14				
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: 1.5 BBLS							
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: EO							
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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 45		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: Competition:						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: FT			Bottom of Plug: 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:		Fluid Weight: LBS/GAL							
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>													
Casing Test Pressure: PSI		With LBS/GAL		Mud		Time Held: Hours 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: FT Target EMW: LBS/GAL Actual EMW: LBS/GAL  
 Number of Times Tests Conducted: Mud Weight When Test was Conducted: 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	4253 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
09:30	0	0	0	0	0	YARD CALL	
11:45	0	0	0	0	0	FIT FOR DUTY / JOURNEY MANAGEMENT MEETING	
12:00	0	0	0	0	0	OFF YARD	
14:30	0	0	0	0	0	ON LOCATION	
14:45	0	0	0	0	0	SPOT TRUCKS	
15:00	0	0	0	0	0	RIG UP SAFETY MEETING	
15:05	0	0	0	0	0	RIG UP	
16:00	0	0	0	0	0	WAIT FOR RIG / CASING GOT STUCK IN HOLE	
20:40	0	0	0	0	0	SAFETY MEETING WITH CO MAN AND RIG HANDS	
21:01	107	0	2	2	H2O	PRIME LINES	
21:05	4253	0	0	0	H2O	PSI TEST	
21:18	412	0	4.8	20	ULTRAFLU	ULTRA FLUSH 2 SPACER	
21:26	310	0	3.6	10	H2O	FRESH WATER SPACER	
21:39	463	0	4.7	141	CMT	381 SACKS LEAD CMT @ 12.5 PPG	
22:11	208	0	4.8	54.5	CMT	182 SACKS TAIL CMT @ 13,8 PPG	
22:24	0	0	0	0	0	SHUTDOWN / DROP PLUG	
22:36	255	0	7.2	243	H2O	DISPLACEMENT	
23:09	1480	0	4.8	210	H2O	DROP RATE	
23:11	1099	0	2.4	220	H2O	DROP RATE	
23:17	1315	0	0	0	0	BUMP PLUG @ 1913	
23:22	0	0	0	0	0	TEST FLOATS / FLOATS HELD 1.5 BBLs BLED BACK	
23:23	1557	0	0	0	0	CASING TEST	
23:40	1709	0	0	0	0	CASING TEST HELD	
23:45	0	0	0	0	0	JOB FINISHED	
BUMPED PLUG <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 1913	TEST FLOAT EQUIP. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 1.5	TOTAL BBL. PUMPED 468.5	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Service Supervisor Signature:

