

# CEMENT JOB REPORT



<b>CUSTOMER</b> GREAT WESTERN OIL & GAS		<b>DATE</b> 23-OCT-11		<b>F.R. #</b> 1001862441		<b>SERV. SUPV.</b> JOHN R WUDARCZYK	
<b>LEASE &amp; WELL NAME</b> LIND #20-13 - API 05123290330000		<b>LOCATION</b> 20-7N-66W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> CADE 22		<b>TYPE OF JOB</b> Long String			
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>PHYSICAL SLURRY PROPERTIES</b>			
Cement Plug, Rubber, Top 4-1/2 in		Float Shoe 4-1/2 - 8rd		<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>
		Centralizer, with Pins, 4-1/2 in					
<b>MATERIALS FURNISHED BY BJ</b>							
Fresh Water				0	8.34	0	0
50:50 Poz + Additives				205	14.6	1.38	5.90
Claytreat Water				0	8.34	0	0
Mud Clean II				0	8.5	0	0
Fresh Water				0	8.34	0	0
Premium Lite Cement + Additives				300	11	3.22	19.86
Available Mix Water 400 Bbl. Available Displ. Fluid 400 Bbl.				<b>TOTAL</b>		400.1	170.56
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>	
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>SIZE</b>	<b>WGT.</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>GRADE</b>
7.875	25	7628	4.5	11.6	CSG	7609	N-80
<b>SHOE</b>		<b>FLOAT</b>		<b>STAGE</b>			
7609		7595		0			
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</b>	
<b>SIZE</b>	<b>WGT</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>
8.625	24	CSG	580	NO PACKER	0	0	0
<b>SIZE</b>		<b>THREAD</b>		<b>TYPE</b>		<b>WGT.</b>	
4.5		8RND		WATER BASED MU		9.4	
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>		<b>CAL. MAX PSI</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>
118.1	BBLS	Claytreat Water	8.34	1017	0	0	0
<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>			
0		6224		3000			
0		3000		RIG			
<b>Circulation Prior to Job</b>							
Circulated Well: Rlg <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1		Circulation Rate: 7 BPM	
Mud Density In: 9.4 LBS/GAL Mud Density Out: 9.4 LBS/GAL				PV & YP Mud In: 18		PV & YP Mud Out: 18	
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: Rlg <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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 30		Type: <input checked="" 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 checked="" 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			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE							
<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	4832 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
08:30	0	0	0	0	0	PRE RIG UP SAFETY MEETING	
09:20	0	0	0	0	0	PRE JOB MEETING	
10:21	1310	0	0	0	H2O	LOW PRESSURE TEST	
10:23	4832	0	0	0	H2O	HIGH PRESSURE TEST	
10:26	580	0	7.4	20	H2O	FRESH WATER	
10:30	606	0	7.4	20	H2O	MUD CLEAN II	
10:33	681	0	7.4	20	H2O	FRESH WATER	
10:38	354	0	6.3	163	LEAD	BATCH UP AND PUMP 300 SKS PLC+.4%BENTONITE+.6%SMS+8#/SACK CSE-2@ 11#	
11:05	203	0	5	50	TAIL	MIX AND PUMP 205 SKS POZ/G+.3%CD-32+.4%FL- 52+.1%SMS+20%S-8 @ 14.6#	
11:25	0	0	0	0	H2O	DROP PLUG	
11:26	400	0	7.4	80	H2O	START DISPLACEMENT W/CLAYCARE	
11:36	832	0	6.2	20	H2O	SLOW RATE	
11:40	882	0	5	5	H2O	SLOW RATE	
11:41	1128	0	3.3	14.5	H2O	SLOW RATE	
11:45	2668	0	0	0	H2O	BUMP PLUG @ 119.5 BBLS	
11:50	0	0	0	0	0	POST JOB 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	2668	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	392.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	