

# CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 14-OCT-11	F.R. # 1001860456	SERV. SUPV. RYAN R STEVENS	
LEASE & WELL NAME LIND #20-24 - API 05123290320000		LOCATION 20-7N-66W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 22		TYPE OF JOB Long String	

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
SIZE	TYPE	SIZE	TYPE	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
BJ Cement Plug, Rubber, Top 4-1/2"		Float Collar, AI Flap, 4-1/2 - 8rd								
		Float Shoe 4-1/2 - 8rd								
MATERIALS FURNISHED BY BJ										
ClayCare Water				0	8.34	0	0	00:00	20	
50:50+.3%CD32+.4%FL52+.1%SMS+20%SF				225	14.6	1.38	5.90	02:30	55.3	31.60
ClayCare Water				0	8.34	0	0	00:00	117.7	
Mud Clean II				0	8.5	0	0	00:00	20	
ClayCare Water				0	8.34	0	0	00:00	20	
PL+.6%SMS+8#/skCSE2				285	11	3.22	19.86	03:30	163.44	134.92
Claycare Water				0	0	0	0	00:00	0	
Available Mix Water 800 Bbl. Available Displ. Fluid 400 Bbl.				TOTAL			396.44		166.53	

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
7.875	0	7596	4.5	11.6	CSG	7588	N-80	7588	7573	0

LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.625	24	CSG	830	No Liner	0	0	0	4.5	8RD	WATER BASED MU	9.6

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	MIX WATER
117.7	BBLs	ClayCare Water	8.34	1097	0	0	0	0	6224	3000					Rig Tank

**Circulation Prior to Job**

Circulated Well: Rig ☒ BJ ☐      Circulation Time: 1      Circulation Rate: 5 BPM

Mud Density In: 9.3 LBS/GAL      Mud Density Out: 9.3 LBS/GAL      PV & YP Mud In: 50      PV & YP Mud Out: 50

Gas Present: NO ☒ YES ☐      Units:      Solids Present at End of Circulation: NO ☒ YES ☐

**Displacement And Mud Removal**

Displaced By: Rig ☐ BJ ☒      Amount Bled Back After Job: 1 BBLs

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL      Method Used to Verify Returns: Visual

Cement Returns at Surface: ☐ YES ☒ NO      Were Returns Planned at Surface: ☒ NO ☐ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROCATION ☒ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO ☒ YES      Quantity: 30      Type: ☐ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

**Plugs**

Number of Attempts by BJ: 0      Competition: 0      Wiper Balls Used: ☒ NO ☐ YES      Quantity:

Plug Catcher Used: ☒ NO ☐ YES      Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ NO ☐ YES      Top of Plug: 0 FT      Bottom of Plug: 0 FT

**Squeezes (Update Original Treatment Report for Primary Job)**

BLOCK SQUEEZE ☐      SHOE SQUEEZE ☐      TOP OF LINER SQUEEZE ☐      PLANNED ☐      UNPLANNED ☐

Liner Packer: ☒ NO ☐ YES      Bond Log: ☒ NO ☐ YES      PSI Applied: 0      Fluid Weight: 0 LBS/GAL

**Casing Test (Update Original Treatment Report for Primary Job)**

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

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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	4612 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
00:30	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
01:15	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
01:41	4612	0	0	0	WATER	PRESSURE TEST PUMPS AND LINES	
01:47	581	0	7.2	20	WATER	FRESH WATER SPACER + CLAY CARE	
01:47	707	0	7.2	20	WATER	MUD CLEAN I	
01:53	581	0	7.2	20	WATER	FRESH WATER SPACER+ CLAY CARE	
02:00	329	0	6.2	151	CEMENT	BATCH UP, WEIGH AND PUMP 285 SXS OF PLC + 4% BENTONITE + 6% SMS + 8 LBS/SACK CSE-2 @ 11.00 PPG	
02:26	77	0	3.7	48	CEMENT	BATCH UP, WEIGH AND PUMP 225 SXS OF 50/50 POZ/CLASS G CEMENT + 0.3% CD-32 + 0.4% FL-52 + 0.1% SMS +20% S-8 @ 14.6 PPG	
02:41	0	0	0	0	N/A	DROP PLUG, WASH PUMPS AND LINES	
02:53	102	0	7.2	40	WATER	START DISPLACEMENT FRESH WATER + CLAY CARE	
03:00	379	0	5.9	40	WATER	DROP RATE	
03:05	700	0	4.8	20	WATER	DROP RATE	
03:09	1075	0	3.6	17	WATER	DROP RATE	
03:13	2700	0	3.6	117.5	WATER	BUMP PLUG	
03:16	0	0	0	0	N/A	CHECK FLOATS	
03:17	0	0	0	0	N/A	PRE 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	2700	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	378	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	