

# CEMENT JOB REPORT



<b>CUSTOMER</b> Petroleum Development Corp 01		<b>DATE</b> 26-JAN-11		<b>F.R. #</b> 1001752088		<b>SERV. SUPV.</b> PHILLIP S MULLINS	
<b>LEASE &amp; WELL NAME</b> STATE #23-4 - API 05123206780000		<b>LOCATION</b> Sec.4 - T5N - R63W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Ensign 301		<b>TYPE OF JOB</b> Long String			

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ								
Fresh Water		0	8.34	0	0	00:00	10	
Premium Lite Cement + Adds		180	11	3.22	19.86	04:00	100	82.55
Fresh Water		0	8.34	0	0	00:00	0.5	
Mud Clean II		0	8.43	0	0	00:00	10	
Fresh Water		0	8.34	0	0	00:00	10	
<b>Available Mix Water</b> 220 Bbl. <b>Available Displ. Fluid</b> 219.5 Bbl.							<b>TOTAL</b>	130.5 82.55

HOLE			TBG-CSG-D.P.			COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE
10	0	6930	4.5	10.5	CSG	1988	J-55	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	WGT.
8.625	24	CSG	410	No packer	0	0	0	4.5	8RD	8.7

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	Tank
0.5	BBLs			0	0	0	0		3832		2500				Tank

**Circulation Prior to Job**

Circulated Well: Rig ☒ BJ ☐      Circulation Time: 1      Circulation Rate: 2 BPM

Mud Density In: 8.7 LBS/GAL      Mud Density Out: 0 LBS/GAL      PV & YP Mud In: 0      PV & YP Mud Out: 0

Gas Present: NO ☐ YES ☒      Units: 0      Solids Present at End of Circulation: NO ☒ YES ☐

**Displacement And Mud Removal**

Displaced By: Rig ☒ BJ ☒      Amount Bled Back After Job: .25 BBLs

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

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

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

Centralizers: ☐ NO ☒ YES      Quantity: 0      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

**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

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Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

N/A

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

N/A

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 4520 PSI		
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		
08:05	0	0	0	0	N/A	Pre rig up safety meeting		
08:45	0	0	0	0	N/A	Pre job safety meeting		
09:06	4520	0	0	0	H2O	Pressure test pumps and line		
09:08	1450	0	2	10	H2O	Spacer		
09:15	1350	0	2	10	MUD CLEAN	Mud flush		
09:20	1350	0	2	10	H2O	Spacer		
09:25	1500	0	2.1	100	CEMENT	Batchup and pump 180 sks of PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11.0#		
10:17	1340	0	1.7	.5	H2O	Displace		
10:18	0	0	0	0	N/A	Stop service		
10:25	0	0	0	0	N/A	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:	
Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	0	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	4	130.5	0	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		

X T.L.