

# CEMENT JOB REPORT



<b>CUSTOMER</b> Petroleum Development Corp 0		<b>DATE</b> 08-JAN-11		<b>F.R. #</b> 1001743013		<b>SERV. SUPV.</b> BARLEN M JOYNER	
<b>LEASE &amp; WELL NAME</b> HOFFNER #24-35 - API 05123142780000		<b>LOCATION</b> SEC 35 - 6 N - 64 W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> W/O		<b>TYPE OF JOB</b> Long String			

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	PHYSICAL SLURRY PROPERTIES						
		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	
Type III Neat		268	14.5	1.39	6.81	00:00	64	41.91
Fresh Water		0	8.34	0	0	00:00	10	
Premium Lite Cement + Adds		570	11	3.22	19.86	00:00	326.46	269.50
Fresh Water		0	8.34	0	0	00:00	1	
Fresh Water		0	8.34	0	0	00:00	9	
Class "G" + adds		75	15.4	1.22	5.46	00:00	16.24	9.74
Mud Clean II		0	8.3	0	0	00:00	10	
Available Mix Water <u>500</u> Bbl. Available Displ. Fluid <u>125</u> Bbl.		<b>TOTAL</b>					446.70	321.15

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
10	0	5100	4.5	11.6	CSG	5100				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	324	NO LINER	0	0	0	4.5	8RD	WATER BASED MU	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	
9	BBLS	Fresh Water	8.34	0	0	0	0	0	6496	3000	RIG TANK

**Circulation Prior to Job**

Circulated Well: Rig ☒ BJ ☐      Circulation Time: .5      Circulation Rate: 4.8 BPM

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

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:      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	4811 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
07:12	0	0	0	0	N/A	PRE-RIG UP MEETING	
07:52	0	0	0	0	N/A	SAFETY MEETING	
08:04	4811	0	0	0	WATER	PRESSURE TEST	
08:07	2570	0	1.8	10	WATER	FRESH WATER SPACER	
08:14	2528	0	1.8	10	WATER	MUD CLEAN I	
08:20	2492	0	1.8	10	WATER	FRESH WATER SPACER	
08:27	1186	0	1.2	16	CMT	BATCH UP, PUMP AND WEIGH 75 SX OF CLASS G + 0.6% R-3 @ 15.4 PPG	
08:39	240	0	1.1	5	WATER	DISPLACEMENT	
08:42	0	0	0	0	N/A	SWITCH OVER TO PULL PIPE	
08:55	2590	0	2	165	CMT	BATCH UP, WEIGH AND PUMP 285 SX OF PLC + 4% BENTONITE + 0.6% SMS + 8 LBS/SACK CSE-2 @ 11 PPG	
10:21	1730	0	1.9	3	WATER	DISPLACEMENT	
10:25	0	0	0	0	N/A	SWITCH OVER TO PULL PIPE	
11:03	2760	0	2.4	168	CMT	BATCH UP, WEIGH AND PUMP 285 SX OF PLC + 4% BENTONITE + 0.6% SMS + 8 LBS/SACK CSE-2 @ 11 PPG	
12:24	2529	0	2.2	1	WATER	DISPLACEMENT	
12:28	0	0	0	0	N/A	SWITCH OVER TO PULL PIPE	
13:08	1685	0	2.9	64	CMT	BATCH UP, WEIGH AND PUMP 400 SX OF TYPE III @ 14.5 PPG	
13:33	0	0	0	0	N/A	JOB DONE	
13:34	0	0	0	0	N/A	PRE-RIG DOWN MEETING	
BUMPED PLUG Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	PSI TO BUMP PLUG 0	TEST FLOAT EQUIP. Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	BBL.CMT RETURNS/ REVERSED 6	TOTAL BBL. PUMPED 452	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Service Supervisor Signature: 