

CEMENT JOB REPORT



CUSTOMER Petroleum Development Corp O		DATE 17-FEB-11	F.R. # 1001762885	SERV. SUPV. PHILLIP S MULLINS	
LEASE & WELL NAME WELLS RANCH #24-20 - API 05123256010000		LOCATION 20-6N-63W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Workover		TYPE OF JOB Long String	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	PHYSICAL SLURRY PROPERTIES						
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	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		65	11	3.22	19.86		36	29.72
Fresh Water		0	8.34	0	0	00:00	1	
Mud Clean II		0	8.34	0	0	00:00	10	
Fresh Water		0	8.34	0	0	00:00	10	
Type III Neat		105	14.5	1.39	6.81		22.7	14.87
Fresh Water		0	8.34	0	0	00:00	0	
Fresh Water		0	0	0	0	00:00	0	
Available Mix Water 130 Bbl. Available Displ. Fluid 129 Bbl.							TOTAL	89.7 44.58

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
9	0	1110	4.5	10.5	CSG	1110	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	TYPE	WGT.
8.625	24	CSG	409	No packer	0	0	0	1.25	8RD	WATER BASED MU	8.3

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	
1	BBLS	Fresh Water	8.34	0	0	0	0	0	3832		Transport

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: 4 Circulation Rate: 2 BPM
 Mud Density In: 8.3 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 ☐ RECIPROCATION ☒ 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

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)
 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

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	4350 PSI	
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
06:35	0	0	0	0	N/A	Pre rig up safety meeting		
07:00	0	0	0	0	N/A	Pre job safety meeting		
07:22	4350	0	0	0	H2O	Pressure test pumps and line		
07:25	1500	0	3	10	MUD CLEAN	Mud flush		
07:32	1500	0	3	10	H2O	Spacer		
07:36	1600	0	3.1	36	CEMENT	Batchup and pump 65 sks of PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11.0#		
07:48	0	0	1	1	H2O	Displace		
07:49	0	0	0	0	N/A	Pull pipe		
08:06	700	0	2.1	22.7	CEMENT	Batchup and pump 105 sks of Type III neat @ 14.5#		
08:18	0	0	0	0	N/A	Stop service		
08:25	0	0	0	0	N/A	Post job rig down safety meeting		
BUMPED PLUG Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 0	TEST FLOAT EQUIP. Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED .5	TOTAL BBL. PUMPED 79.7	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:	

[Handwritten Signature]