

CEMENT JOB REPORT



CUSTOMER Petroleum Development Corp 0		DATE 10-DEC-10		F.R. # 1001731560		SERV. SUPV. RYAN SULLIVAN	
LEASE & WELL NAME SLW RANCH #41-7 - API 05123200620000		LOCATION 7-5N-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						
SIZE	TYPE	NA-Squeeze	No Shoe	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										
Mud Clean II				0	8.4	0	0	00:00	20	
Premium Lite Cement + Addis				450	11	3.22	19.86	12:00	258.1	213.07
Fresh Water				0	8.34	0	0	00:00	2.96	
Fresh Water				0	8.34	0	0	00:00	1	
Available Mix Water 300 Bbl. Available Displ. Fluid 50 Bbl.									TOTAL	282.06 213.07

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
10	0	3160	4.5	11.8	CSG	3160		0	0	0

LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	RTM	SIZE	THREAD	TYPE	WGT.
8.625	24	CSG	347	No packer	0	0	0	1.25	8RD	WATER BASED MU	8.4

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	
3.6	BBLS	Fresh Water	8.34	0	0	0	4000	3000	0	0	Frac tank
		Fresh Water	8.34								

Circulation Prior to Job

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

Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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: .2 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: 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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

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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 4957 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
07:45	0	0	0	0	N/A	Pre-rig up safety meeting
08:54	0	0	0	0	N/A	Pre-job safety meeting
09:00	881	0	0	0	WATER	Low pressure test
09:01	4957	0	0	0	WATER	High pressure test
09:03	2048	0	2	20	WATER	Pre-flush
09:20	2034	0	1.9	64	CEMENT	Batch-up, weigh, & pump 225 sx of PLC + 4% Bentonite + 0.6% SMS + 8 lbs/sk CSE-2 @ 11 ppg
09:50	1763	0	1.7	65	CEMENT	Rate change due to pressure
10:29	1653	0	1.6	2.5	WATER	Displace
10:32	0	0	0	0	N/A	Switch over to rig to pull tubing
11:17	1784	0	2.2	40	CEMENT	Batch-up & pump 225 sx of PLC + 4% Bentonite + 0.6% SMS + 8 lbs/sk CSE-2 @ 11 ppg
11:35	800	0	1	1	WATER	Displace
11:37	0	0	0	0	N/A	Job done, 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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	12	192.5	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	