

CEMENT JOB REPORT



CUSTOMER Petroleum Development Corp Of		DATE 15-FEB-11	F.R. # 1001761401		SERV. SUPV. JOHN R WUDARCZYK	
LEASE & WELL NAME WELLS RANCH #13-20 - API 05123256000000		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						
		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										
Fresh Water				0	8.34	0	0	00:00	10	
Premium Lite Cement + Adds				135	11	3.22	19.86	03:00	77.32	63.83
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				85	14.5	1.39	6.81	00:00	21.05	13.78
Fresh Water				0	8.34	0	0	00:00	1	
Available Mix Water		200 Bbl.		Available Displ. Fluid		200 Bbl.		TOTAL		130.37 77.61

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
9	0	1752	4.5	10.5	CSG	1750	N-80	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	BTM	SIZE	THREAD	TYPE	WGT.
8.625	24	CSG	409	NO PACKER	0	0	0	1.25	8RND	WATER BASED ML	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	
1	BBLS	Fresh Water	8.34	0	0	0	5000	2500	6224	2500	TRUCK

Circulation Prior to Job			
Circulated Well: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>		Circulation Time: .1	
Mud Density In: 8.34 LBS/G		Mud Density Out: 8.34 LBS/GAL	
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:		Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	

Displacement And Mud Removal			
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>		Amount Bled Back After Job: .1 BBLS	
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL		Method Used to Verify Returns: VISUAL	
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	
Pipe Movement: <input type="checkbox"/> ROTATION <input checked="" type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE			
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity: Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID	
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD			

Plugs			
Number of Attempts by BJ: 1		Competition: 0	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:	
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
		Top of Plug: 448 FT Bottom of Plug: 1752 FT	

Squeezes (Update Original Treatment Report for Primary Job)			
BLOCK SQUEEZE <input type="checkbox"/>	SHOE SQUEEZE <input type="checkbox"/>	TOP OF LINER SQUEEZE <input type="checkbox"/>	PLANNED <input type="checkbox"/> UNPLANNED <input checked="" type="checkbox"/>
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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 5400 PSI	
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input checked="" type="checkbox"/>	
07:30	0	0	0	0	0	PRE RIG UP SAFETY MEETING	
08:13	0	0	0	0	0	PRE JOB MEETING	
08:24	1880	0	0	0	H2O	LOW PRESSURE TEST	
08:25	5400	0	0	0	H2O	HIGH PRESSURE TEST	
08:29	1206	0	2	10	H2O	FRESH WATER SPACER	
08:34	1131	0	2	10	H2O	MUD CLEAN SPACER	
08:39	1231	0	2	10	H2O	FRESH WATER SPACER	
08:47	1583	0	2.1	76	CMT	BATCH UP AND PUMP 135 SKS PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11# FROM 1752'-448'	
09:24	1030	0	1.5	1	H2O	DISPLACE 1 BBL	
09:25	0	0	0	0	0	SHUT DOWN / RIG PULLING TUBING	
10:00	703	0	2	25	CMT	BATCH UP AND PUMP 103 SKS TYPE III CEMENT@14.5# FROM 448' TO SURFACE	
10:13	0	0	0	0	0	SHUT DOWN @ 25 BBLs PUMPED	
10:30	0	0	0	0	0	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 10	TOTAL BBL. PUMPED 131	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature: 