

CEMENT JOB REPORT



CUSTOMER Petroleum Development Corp 01		DATE 18-JAN-11		F.R. # 1001747398		SERV. SUPV. JOHN R WUDARCZYK	
LEASE & WELL NAME LEFFLER #2XD - API 05123319700000		LOCATION Sec.2 - T6N - R66W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Ensign 2		TYPE OF JOB Long String			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
Latch Down Plug & Assembly, 4-1/2		Guide Shoe, Cement Nose, 4-1/2 i		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
		Centralizer, with Pins, 4-1/2 in								
MATERIALS FURNISHED BY BJ										
Claytreat Water				0	8.34	0	0	00:00	20	
50:50 (POZ:G) + Additives				190	14.6	1.38	5.90	03:00	46	26.29
Claytreat Water				0	8.34	0	0	00:00	117.55	
Premium Lite Cement				655	11	3.22	19.86	03:00	375	309.57
Mud Clean I				0	8.5	0	0	00:00	20	
Claytreat Water				0	8.34	0	0	00:00	20	
Surfactant Wash				0	8.34	0	0	00:00	20	
Available Mix Water 600 Bbl. Available Displ. Fluid 600 Bbl.				TOTAL			618.55		335.86	

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
7.875	0	7609	4.5	11.6	CSG	7578	N-80	7578	7564	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	500	NO PACKER	0	0	0	4.5	8RND	WATER BASED ML	9.2

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	
117.6	BBLs	Claytreat Water	8.34	1252.95	0	0	0	0	6224	3000	RIG

Circulation Prior to Job											
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 7 BPM		
Mud Density In: 9.2 LBS/GAL Mud Density Out: 9.2 LBS/GAL						PV & YP Mud In: 13			PV & YP Mud Out: 13		
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 type="checkbox"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE											
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 23			Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID		
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD											

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

CEMENT JOB REPORT



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	4181 PSI	CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
17:30	0	0	0	0	0	PRE RIG UP SAFETY MEETING			
18:20	0	0	0	0	0	PRE JOB MEETING			
18:40	1980	0	0	0	H2O	LOW PRESSURE TEST			
18:42	4181	0	0	0	H2O	HIGH PRESSURE TEST			
18:45	617	0	7.6	20	H2O	FRESH WATER WITH CLAYTREAT			
18:49	625	0	7.6	20	H2O	MUD CLEAN SPACER			
18:52	688	0	7.6	20	H2O	SURFACTANT WASH			
18:55	757	0	7.6	20	H2O	FRESH WATER WITH CLAYTREAT			
18:59	117	0	7.7	375	LEAD	BATCH UP AND PUMP 655 SKS PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11#			
19:53	142	0	5.7	46	TAIL	MIX AND PUMP 190 SKS (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SM + 20% Silica Flour @ 14.6#			
20:12	0	0	0	0	H2O	DROP PLUG			
20:13	386	0	7.8	60	H2O	START DISPLACEMENT			
20:22	971	0	5.8	40	H2O	SLOW RATE			
20:29	1236	0	3.3	17	H2O	SLOW RATE			
20:34	2531	0	0	0	H2O	BUMP PLUG @ 117 BBLS			
20:40	0	0	0	0	0	POST JOB RIG DOWN SAFETY MEETING			

BUMPED
PLUG
☒ Y ☐ N

PSI TO
BUMP
PLUG
2531

TEST
FLOAT
EQUIP.
☒ Y ☐ N

BBL.CMT
RETURNS/
REVERSED
57

TOTAL
BBL.
PUMPED
618

PSI
LEFT ON
CSG
0

SPOT
TOP OUT
CEMENT
☒ Y ☐ N

Service Supervisor Signature:

John W. Undergoff

Don Gatten