

CEMENT JOB REPORT



CUSTOMER Petroleum Development Corp 0			DATE 07-MAR-11		F.R. # 1001771566		SERV. SUPV. AARON M MCWILLIAMS			
LEASE & WELL NAME TRACY #31-23H - API 05123328710000			LOCATION 23-7N-66W			COUNTY-PARISH-BLOCK Weld Colorado				
DISTRICT Brighton			DRILLING CONTRACTOR RIG # ENSIGN 32			TYPE OF JOB Long String				
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
		Float Shoe 7 - 8rd								
MATERIALS FURNISHED BY BJ										
Claytreat Water				0	8.34	0	0	00:00	20	
Claytreat Water				0	8.34	0	0	00:00	293	
Premium Lite Cement				582	12.5	1.89	10.37	03:00	195.90	143.74
50:50 Poz / G + Add.				243	13.5	1.71	8.30	03:00	74.13	48.03
Mud Clean I				0	8.5	0	0	00:00	20	
Claytreat Water				0	8.34	0	0	00:00	20	
Available Mix Water 350 Bbl. Available Displ. Fluid 200 Bbl.							TOTAL		623.02	191.77
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
8.75	0	7750	7	26	CSG	7690	N-80	7690	7647	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
9.625	36	CSG	970	No packer		0	0	0	7	8RD
										WGT.
										9.6
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator
293	BBLS	Claytreat Water	8.34	2560	0	0	0	0	5792	3000
										MIX WATER
										Rig tank
Circulation Prior to Job										
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1		Circulation Rate: 6 BPM		
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL						PV & YP Mud In: 0		PV & YP Mud Out: 0		
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> Units: 0						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: 2.5 BBLS				
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FULL						Method Used to Verify Returns: Visually				
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"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE										
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 30		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 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										
PRESSURE/RATE DETAIL						EXPLANATION				

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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)
 Customer cut lead slurry by 20 bbl's

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 4045 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
02:45	0	0	0	0	N/A	Arrived on location			
03:00	0	0	0	0	MUD	Rig circulate			
03:15	0	0	0	0	N/A	Pre rig up safety meeting			
04:20	0	0	0	0	N/A	Pre job safety meeting			
04:54	4045	0	0	0	H2O	Pressure test pumps and lines			
04:58	420	0	6	20	CT-3C	Clay treat preflush			
05:03	320	0	6	20	MUD CLEA	Mud clean I			
05:07	330	0	6	20	CT-3C	Clay treat spacer			
05:16	555	0	6.2	175	CMT	Batch up and pump 519sks of PLC + 0.4% FL-52 + 3% Bentonite + 0.25 pps Cello 12.5 ppg 1.89 yield 10.37 pgs Pre customer request			
05:51	190	0	5	75	CMT	Batch up and pump 243sks of (50:50) Poz:G + 0.4% FL-52 + 3% Bentonite + 0.1% 13.5 ppg 1.71 yield 8.30 gps			
06:10	0	0	0	0	N/A	Drop plug			
06:18	130	0	7.2	130	CT-3C	Displacement			
06:39	1580	0	6	120	CT-3C	Rate change			
06:58	1890	0	4.8	30	CT-3C	Rate change			
07:05	1860	0	2.4	13	CT-3C	Rate change			
07:10	1900	0	0	0	CT-3C	Bump plug			
07:10	2560	0	0	0	CT-3C	Plug down @ 293			
07:12	0	0	0	0	N/A	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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2560	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	11	603	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	