

## CEMENT JOB REPORT



<b>CUSTOMER</b> Petroleum Development Corp Of		<b>DATE</b> 15-FEB-11	<b>F.R. #</b> 1001761401	<b>SERV. SUPV.</b> JOHN R WUDARCZYK											
<b>LEASE &amp; WELL NAME</b> WELLS RANCH #13-20 - API 05123256000000		<b>LOCATION</b> 20-6N-63W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado											
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Workover		<b>TYPE OF JOB</b> Long String											
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES											
No Shoe		<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>							
<b>MATERIALS FURNISHED BY BJ</b>															
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								
<b>Available Mix Water</b> 200 Bbl. <b>Available Displ. Fluid</b> 200 Bbl.							<b>TOTAL</b>	130.37	77.61						
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS								
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>SIZE</b>	<b>WGT.</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>					
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					
<b>SIZE</b>	<b>WGT</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>BRAND &amp; TYPE</b>		<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>			
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	
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>	<b>MIX WATER</b>		
1	BBLS	Fresh Water	8.34	0	0	0	5000	2500	6224	2500	2500	TRUCK			
Circulation Prior to Job															
Circulated Well: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Circulation Time: .1				Circulation Rate: 2 BPM							
Mud Density In: 8.34 LBS/G				Mud Density Out: 8.34 LBS/GAL				PV & YP Mud In: 0				PV & YP Mud Out: 0			
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				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: 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	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"/>	10	131	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	