

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 17-NOV-11	F.R. # 1001868256		SERV. SUPV. CORY A THAUT									
LEASE & WELL NAME FRITZLER #34-17 - API 05123332510000			LOCATION 17-6N-66W		COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton			DRILLING CONTRACTOR RIG # CADE 22		TYPE OF JOB Long String									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD TVD HANGER TYPES MD TVD								
Cement Plug, Rubber, Top 4-1/2 in		Float Shoe 4-1/2 - 8rd												
		Centralizer, with Pins, 4-1/2 in												
MATERIALS FURNISHED BY BJ				PHYSICAL SLURRY PROPERTIES										
				LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER			
ClayCare Water				0	8.34	0	0	00:00	20					
50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF				300	14.6	1.38	5.90	02:30	73	41.72				
ClayCare Water				0	8.34	0	0	00:00	115.76					
Mud Clean II				0	8.5	0	0	00:00	20					
ClayCare Water				0	8.34	0	0	00:00	20					
PL+.6%SMS+8#/skCSE2				325	11	3.22	19.86	03:30	186	153.55				
Available Mix Water		800	Bbl.	Available Displ. Fluid		518	Bbl.	TOTAL		434.76 195.27				
HOLE				TBG-CSG-D.P.				COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
7.875	20	7499	4	4.5	11.6	CSG	7460	7460	N-80	7460	7448	0		
LAST CASING				PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID		
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.1	8.63	24	CSG	690	690	No Packer		0	0	0	4.5	8RND	WATER BASED	9.4
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				
115.8	BBLS	ClayCare Water	8.34	1212	0	0	0	0	7780	6000	Rig			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1.5				Circulation Rate: 6.9 BPM						
Mud Density In: 9.4 LBS/GAL				Mud Density Out: 9.4 LBS/GAL				PV & YP Mud In: 18			PV & YP Mud Out: 18			
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: .5 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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 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:														

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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	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
02:35	0	0	0	0	0	Arrive on location / Wait for rig to finish running casing and casing crew to rig down (55 minutes)	
03:30	0	0	0	0	0	Spot equipment	
03:37	0	0	0	0	0	Pre rig up JSA	
03:40	0	0	0	0	0	Begin ground rig up	
04:35	0	0	0	0	0	Ground rig up complete	
04:40	0	0	0	0	0	JSA with customer and rig crew	
04:54	0	0	0	0	0	Begin floor rig up	
05:04	0	0	0	0	0	floor rig up complete	
05:16	305	0	2	2	H2O	Load lines	
05:18	2815	0	0	0	H2O	Low pressure test	
05:20	8174	0	0	0	H2O	High pressure test	
05:22	463	0	7.1	20	H2O	Spacer - Fresh Water + 1gpt Clay Care	
05:26	531	0	7.2	20	MDCLN II	Spacer - Mud Clean II + 1gpt Clay Care	
05:29	530	0	7.2	20	H2O	Spacer - Fresh Water + 1gpt Clay Care	
05:33	620	0	7.2	183	CMNT	Batch up and pump 325 sacks of Lead cement slurry @ 11 ppg: 35/65 Poz/C + 4% Bentonite + .6% SMS + 8 lbs/sk CSE2	
06:06	119	0	3.5	72	CMNT	Batch up and pump 300 sacks of Tail cement slurry @ 14.6 ppg: 50/50 Poz/G + .3% CD-32 + .4% FL-52 + .1% SMS + 20% Silica Flour	
06:27	0	0	0	0	0	Shut down	
06:38	121	0	7.1	10	H2O	Drop plug / Strat displacement with Fresh Water + 1gpt Clay Care	
06:46	85	0	7.1	50	H2O	Rate and pressure	
06:48	228	0	4.7	68	H2O	Caught up to cement (pressure increase)	
06:55	948	0	2.4	105	H2O	Slow rate	
07:00	1294	0	2.4	117	H2O	Pressure just before bump plug	
07:00	2528	0	2.4		H2O	Bump plug	
07:02	2536	0	0	0	H2O	Check floats (holding)	
07:20	0	0	0	0	0	Pre rig down JSA	

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	2528	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	432	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	