

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				
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		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES							
				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
7.875	20	7499	4	4.5	11.6	CSG	7460	7460	N-80	7460	7448
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
8.1	8.63	24	CSG	690	690	No Packer	0	0	0	4.5	8RND
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	MIX WATER
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			
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			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:			
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"/>			
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:											

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	8174 PSI
						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	