

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 21-NOV-11	F.R. # 1001869401	SERV. SUPV. CHRISTOPHER M MCKEON											
LEASE & WELL NAME FRITZLER #6-8-17 - API 05123332460000		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		Cement Basket, Slip On, 4-1/2 in													
		Centralizer, with Pins, 4-1/2 in													
		Float Collar, Auto Fill, 4-1/2 - 8rd													
		Float Shoe 4-1/2 - 8rd													
MATERIALS FURNISHED BY BJ				PHYSICAL SLURRY PROPERTIES											
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	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				265	14.6	1.38	5.90	02:30	65.13	37.22					
ClayCare Water				0	8.34	0	0	00:00	116.00						
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				255	11	3.22	19.86	03:30	146.23	120.71					
Available Mix Water		400	Bbl.	Available Displ. Fluid		400	Bbl.	TOTAL		387.36 157.94					
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
7.875	20	7418	4	4.5	11.6	CSG	7378	7378	N-80	7378	7365	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	580	580	No packer			0	0	4.5	8RD	WATER BASED	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			Rig Tank		
114.5	BBLS	ClayCare Water	8.34	1020	0	0	0	0	6224	3000					
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: 9.2 LBS/GAL				Mud Density Out: 9.2 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: 1.3 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 checked="" 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			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NA															

CEMENT JOB REPORT



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

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)
NA

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
NA

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
NA

PRESSURE/RATE DETAIL

EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
	PIPE	ANNULUS				
						SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> TEST LINES 4014 PSI CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
15:15	0	0	0		NA	Yard call
16:48	0	0	0	0	NA	Leave Distric
17:54	0	0	0	0	NA	Arrive location
18:00	0	0	0	0	NA	Spot trucks
18:10	0	0	0	0	NA	Rig up safety meeting
19:15	0	0	0	0	NA	Casing crew rigs down/ Rig circulates 1 hr
19:45	0	0	0	0	NA	Pre job safety meeting
20:07	1520	0	0	0	H2O	Low pressure test
20:14	4014	0	0	0	H2O	High pressure test
20:16	431	0	6	20	H2O	ClayCare Water
20:20	450	0	6	20	H2O	Mud Clean II
20:24	474	0	6	20	H2O	ClayCare Water
20:33	194	0	6.7	146	CMT	Batch up, weigh and pump 255 sx. PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11.0 ppg
20:57	254	0	5	66	CMT	Batch up, weigh and pump 285 sx. (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1%SM + 20% Silica Flour @ 14.6 ppg.
21:15	0	0	0	0	NA	Drop plug/ wash up
21:24	70	0	6	40	H2O	Start ClayCare displacement
21:32	1137	0	4.8	65	H2O	Rate change
21:48	1201	0	3.6	5	H2O	Rate change
21:50	1279	0	2.4	4.5	H2O	Rate change
21:52	1308	0	2.4	0	H2O	Bump plug
21:54	2717	0	0	0	NA	Plug down/ Total displacement 114.5 bbls.
21:55	0	0	0	0	NA	Rig down safety meeting

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1308	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 386.5	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:
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