

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						

PHYSICAL SLURRY PROPERTIES								
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	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	
114.5	BBLS	ClayCare Water	8.34	1020	0	0	0	0	6224	3000	Rig Tank

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ 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 ☒ YES ☐ Units: Solids Present at End of Circulation: NO ☒ YES ☐

Displacement And Mud Removal

Displaced By: Rig ☐ BJ ☒ Amount Bled Back After Job: 1.3 BBLS

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL Method Used to Verify Returns: Visual

Cement Returns at Surface: ☐ YES ☒ NO Were Returns Planned at Surface: ☒ NO ☐ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROCATION ☒ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO ☒ YES Quantity: 30 Type: ☒ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 Wiper Balls Used: ☒ NO ☐ YES Quantity:

Plug Catcher Used: ☒ NO ☐ YES Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ NO ☐ YES Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐

Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ 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	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
	PIPE	ANNULUS				
						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 265 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	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	1308	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	386.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	