

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 17-SEP-12	F.R. # 1001935417		SERV. SUPV. AARON M MCWILLIAMS	
LEASE & WELL NAME FRITZLER #43-17 - API 0512335490000		LOCATION 17-6N-66W		COUNTY-PARISH-BLOCK Weld Colorado		
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Cade 25		TYPE OF JOB Long String		
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD TVD HANGER TYPES MD TVD
Cement Plug, Rubber, Bottom 4-1/2		Float Collar, Auto Fill, 4-1/2 - 8rd				
		Float Shoe 4-1/2 - 8rd				
		Centralizer, with Pins, 4-1/2 in				
		Cement Basket, Slip On, 4-1/2 in				
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES		
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³
Treated Water		0		0	8.34	0
Tail		0		300	14.6	1.38
Treated Water		0		0	8.34	0
Mud Clean II		0		0	8.5	0
Treated Water		0		0	8.34	0
Lead		0		300	11	3.22
Available Mix Water 500 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL		421.77 184.16
HOLE		TBG-CSG-D.P.		COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID OD WGT. TYPE MD TVD GRADE	SHOE	FLOAT	STAGE
7.875	20	7532	4 4.5 11.6 CSG	7487 7487 N-80	7487	7468 0
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN
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 8RD
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		MIX WATER
VOLUME UOM	TYPE	WGT.	BUMP PLUG TO REV.	OP. MAX SQ. PSI	MAX TBG PSI	MAX CSG PSI
115 BBLS	Treated Water	8.34	1116 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: 7 BPM		
Mud Density In: 9.1 LBS/GAL		Mud Density Out: 9.1 LBS/GAL		PV & YP Mud In: 0		PV & YP Mud Out: 0
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>		Units: 0		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: 1.2 BBLS				
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL		Method Used to Verify Returns: Visually				
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		Quantity: 30		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID		
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						
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: None						

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)
 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 4436 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
19:00	0	0	0	0	N/A	Yard call
22:40	0	0	0	0	N/A	Leave yard
23:30	0	0	0	0	N/A	Arrive on location 41 miles Rig still running casing
03:00	0	0	0	0	N/A	Spot trucks
03:05	0	0	0	0	N/A	Rig up safety meeting
03:40	0	0	0	0	N/A	Pre job safety meeting
05:07	4436	0	0	0	H2O	Pressure test pumps and lines
05:10	627	0	7.2	20	CLAYCARI	Preflush
05:13	581	0	7.2	20	MUDCLEA	Mud clean II
05:16	564	0	7.2	20	CLAYCARI	Spacer
05:21	606	0	7.2	170	CMT	Batch up and pump 300 sks of PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 11 ppg 3.22 yield 19.86 gps
05:47	287	0	7.2	71	CMT	Batch up and pump 300 sks of (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1% 14.6 ppg 1.38 yield 5.90 gps
06:01	0	0	0	0	H2O	Wash up and drop plug
06:10	314	0	7.2	70	CLAYCARI	Displacement
06:21	765	0	6	20	CLAYCARI	Displacement rate change
06:25	1205	0	4.8	20	CLAYCARI	Displacement rate change
06:29	1209	0	2.4	5	CLAYCARI	Displacement rate change
06:31	1244	0	2.4	115	CLAYCARI	Bump plug
06:31	2652	0	0	0	N/A	Plug down @ 115 bbl's
06:33	0	0	0	0	N/A	Check float 1 bbl back
06:34	0	0	0	0	N/A	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	2652	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	416	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



FIELD RECEIPT NO. 1001935417

CUSTOMER				GREAT WESTERN OIL & GAS				CREDIT APPROVAL NO.				PURCHASE ORDER NO.				CUSTOMER NUMBER				INVOICE NUMBER			
MAIL				STREET OR BOX NUMBER				CITY				STATE				ZIP CODE							
INVOICE TO				503 MAIN ST				Windsor				Colorado				80550							
DATE WORK MO.		DAY		YEAR		BHI REPRESENTATIVE		WELL API NO:		WELL TYPE:		WELL CLASS:		GAS USED ON JOB:		JOB TYPE CODE:							
COMPLETED 09		17		2012		AARON M MCWILLIAMS		05123335490000		New Well		Gas		No Gas		Long String							
DISTRICT				BJS, BRIGHTON				JOB DEPTH(ft)				7,487				TD WELL DEPTH(ft)				7,532			
WELL NAME AND NUMBER				FRTZLER #43-17				COUNTY/PARISH				Weld				STATE				Colorado			
WELL LOCATION:				LEGAL DESCRIPTION				17-6N-66W															
PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT									
100021		Class G Cement		sacks		150																	
100120		Bentonite		lbs		1044																	
100121		Silica Flour		lbs		5040																	
100275		Sodium Metasilicate		lbs		183																	
100317		Poz (Fly Ash)		sacks		150																	
398108		Mud Clean II		gals		840																	
398224		Premium Lite Cement		sacks		300																	
488013		CD-32		lbs		76																	
488015		FL-52		lbs		101																	
488019		FP-6L		gals		6																	
488353		CSE-2		lbs		2400																	
499702		ClayCare, Clay Treat-2C, 260 gl tote		gals		9																	
		SUB-TOTAL FOR Product Material																					
ARRIVE LOCATION:		MO.		DAY		YEAR		TIME		SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.		SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.											
CUSTOMER REP.		Matt Johnson		09		17		23:30		X		CUSTOMER AUTHORIZED AGENT											
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS										X		BHI APPROVED											



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MAIL INVOICE TO				STREET OR BOX NUMBER				503 MAIN ST				CITY				Windsor				STATE				Colorado				ZIP CODE				80550			
DATE WORK COMPLETED		MO. 09		DAY 17		YEAR 2012		BHI REPRESENTATIVE				WELL API NO:				05123335490000				WELL TYPE:				New Well											
DISTRICT				BJS, BRIGHTON				JOB DEPTH (ft)				7,487				WELL CLASS:				Gas															
WELL NAME AND NUMBER				FRITZLER #43-17				TD WELL DEPTH (ft)				7,532				GAS USED ON JOB:				No Gas															
WELL LOCATION:				LEGAL DESCRIPTION				17-6N-66W				COUNTY/PARISH				Weld				STATE				Colorado				JOB TYPE CODE:				Long String			
PRODUCT CODE	DESCRIPTION							UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT																						
A152	Personnel Per Diem Chrg - Cement Svc							ea	1																										
M100	Bulk Materials Blending Charge							cu ft	773																										
SUB-TOTAL FOR Service Charges																																			
F067A	Cement Pumping, 7001 - 8000 ft							6hrs	1																										
F090	Fuel per pump charge - cement							pump/hr	4																										
J050	Cement Head							job	1																										
J225	Data Acquisition, Cement, Standard							job	1																										
J390	Mileage, Heavy Vehicle							miles	82																										
J391	Mileage, Auto, Pick-Up or Treating Van							miles	82																										
SUB-TOTAL FOR Equipment																																			
J401	Bulk Delivery, Dry Products							ton-mi	1237																										
SUB-TOTAL FOR Freight/Delivery Charges																																			
FIELD ESTIMATE																																			
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