

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 17-AUG-12	F.R. # 1001929644	SERV. SUPV. NATHANIEL J WINDHOLZ	
LEASE & WELL NAME GREAT WESTERN #25-22-14 - API 0512335704000		LOCATION 25-6N-67W		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
Cement Plug, Rubber, Top 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
ClayCare Water		0	8.34	0	00:00
50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF		300	14.6	1.38	02:30
ClayCare Water		0	8.34	0	00:00
Mud Clean II		0	8.5	0	00:00
ClayCare Water		0	8.34	0	00:00
PL+.6%SMS+8#/skCSE2		310	11	3.22	03:30
Available Mix Water	450 Bbl.	Available Displ. Fluid	300 Bbl.	TOTAL	
				423.8	188.90
HOLE		TBG-CSG-D.P.			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
7.875	0	7282	4	4.5	11.6
			CSG		7242
					7278
					N-80
					7242
					7229
					0
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID	OD	WGT.	TYPE	MD	TVD
8.1	8.63	24	CSG	700	700
			NO LINER		0
					0
					0
					4.5
					8RD
					WATER BASED
					9.3
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
112.3	BBLS	ClayCare Water	8.34	1150	0
					0
					0
					0
					0
					6250
					3000
					RIG TANK
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: .2		
Mud Density In: 9.1 LBS/GAL			Mud Density Out: 9.1 LBS/GAL		
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: .9 BBLS		
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL			Method Used to Verify Returns: EYE		
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"/> RECIPROICATION <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 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		
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
			Quantity:		
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Parabow Used: <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			Time Held: 00 Hours 00 Minutes		

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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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW	CO. REP.
	PIPE	ANNULUS				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
						TEST LINES	4071 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
18:35	0	0	0	0	N/A	ARRIVE ON LOCATION	
18:45	0	0	0	0	N/A	PRE-RIG UP MEETING	
19:25	0	0	0	0	N/A	SAFETY MEETING	
19:50	1936	0	0	0	H2O	PRE-TEST	
19:53	4071	0	0	0	H2O	TEST	
19:56	463	0	7.2	20	H2O	PRE-FLUSH	
20:00	408	0	7.2	20	H2O	MUD CLEAN II	
20:04	550	0	7.2	20	H2O	SPACER	
20:08	520	0	7.2	177	CMT	BATCH UP AND PUMP 310 SKS PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11PPG	
20:34	120	0	4.8	75	CMT	BATCH UP AND PUMP 300 SKS (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SM + 20% Silica Flour @ 14.6PPG	
20:56	0	0	0	0	H2O	DROP PLUG AND WASH UP	
21:03	1029	0	7.2	90	H2O	DISPLACEMENT CT3C	
21:17	1042	0	4.8	17	H2O	RATE CHANGE	
21:21	1234	0	2.4	5.3	H2O	RATE CHANGE	
21:22	2550	0	0	0	H2O	PLUG DOWN @ 112.3	
21:25	0	0	0	0	N/A	PRE-RIG DOWN	
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	2550	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	442	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

FIELD RECEIPT NO. 1001929644



CUSTOMER GREAT WESTERN OIL & GAS			CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20013943 - 00229266		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER 503 MAIN ST			CITY Windsor		STATE Colorado		ZIP CODE 80550			
INVOICE TO :			DATE WORK 08 17 2012		BHI REPRESENTATIVE NATHANIEL J WINDHOLZ		WELL API NO. 05123357040000		WELL TYPE : New Well	
COMPLETED			JOB DEPTH (ft) 7.242		WELL CLASS : Gas		GAS USED ON JOB : No Gas			
DISTRICT BJS, BRIGHTON			TD WELL DEPTH (ft) 7.282		JOB TYPE CODE : Long String					
WELL NAME AND NUMBER GREAT WESTERN #25-22-14			LEGAL DESCRIPTION 25-6N-67W		COUNTY/PARISH Weld		STATE Colorado			
WELL LOCATION :			PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY	
			100021		Class G Cement		sacks		150	
			100120		Bentrite		lbs		1079	
			100121		Silica Flour		lbs		5040	
			100275		Sodium Metasilicate		lbs		188	
			100317		Poz (Fly Ash)		sacks		150	
			398108		Mud Clean II		gals		840	
			398224		Premium Lite Cement		sacks		310	
			488013		CD-32		lbs		76	
			488015		FL-52		lbs		101	
			488019		FP-6L		gals		4	
			488353		CSE-2		lbs		2480	
			499702		ClayCare, Clay Treat-2C, 260 gal tote		gals		7	
					SUB-TOTAL FOR Product Material				28,103.60	
									55.00%	
									12,646.63	
ARRIVE LOCATION : 08 17 2012 18:30			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. SHAWN ARMSTRONG			CUSTOMER AUTHORIZED AGENT		X		BHI APPROVED			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS										

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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 COMPLETED		MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO.		WELL TYPE :			
08 17 2012				NATHANIEL J WINDHOLZ		05123357040000		New Well			
DISTRICT		BJS, BRIGHTON		JOB DEPTH (ft)		WELL CLASS :		GAS USED ON JOB :			
				7,242		Gas		No Gas			
WELL NAME AND NUMBER		GREAT WESTERN #25-22-14		TD WELL DEPTH (ft)		7,282		JOB TYPE CODE :			
								Long String			
WELL LOCATION :		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :			
		25-6N-67W		Weld		Colorado					
PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT				
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	161.500	161.50	0%	161.50				
M100	Bulk Materials Blending Charge	cu ft	786	4.170	3,277.62	55%	1,474.93				
	SUB-TOTAL FOR Service Charges				3,439.12	52.42%	1,636.43				
F067A	Cement Pumping, 7001 - 8000 ft	ghrs	1	7,925.000	7,925.00	55%	3,566.25				
F090	Fuel per pump charge - cement	pump/hr	4	61.000	244.00	0%	244.00				
J050	Cement Head	job	1	635.000	635.00	55%	285.75				
J225	Data Acquisition, Cement, Standard	job	1	1,635.000	1,635.00	55%	735.75				
J390	Mileage, Heavy Vehicle	miles	80	9.100	728.00	55%	327.60				
J391	Mileage, Auto, Pick-Up or Treating Van	miles	80	5.150	412.00	55%	185.40				
	SUB-TOTAL FOR Equipment				11,579.00	53.84%	5,344.75				
J401	Bulk Delivery, Dry Products	ton-mi	1226	3.030	3,714.78	55%	1,671.65				
	SUB-TOTAL FOR Freight/Delivery Charges				3,714.78	55.00%	1,671.65				
	FIELD ESTIMATE				46,836.50	54.52%	21,299.46				
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.					
		08	17	2012	18:30						
CUSTOMER REP.		SHAWN ARMSTRONG				SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.					
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS						CUSTOMER AUTHORIZED AGENT					
						X BHI APPROVED					