



**CEMENTER'S WELL SERVICE, INC.**  
P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712

OUR INVOICE

**201135**

Date <b>12-25-12</b>	Well Owner <b>GREAT WESTERN</b>	Well No. <b>CX 643014D</b>	Lease <b>PETERSON</b>
County <b>WELD</b>	State <b>COLORADO</b>	Field	
Charge to <b>CADRE DRILLING LLC</b>	Charge Code		For Office Use Only
Address <b>3450 WCR 27 #2 (CADE #25)</b>			
City, State <b>FT. LUTHERA COLORADO 80621</b>			
Pump Truck No. <b>1202</b>	Code	Bulk Truck No. <b>1217/1224</b>	Code
Type of Job	Depth	Ft. <b>655</b>	To
Surface <b>8 1/8" CCL - 24H</b>	Bottom of Surface	Ft. <b>645</b>	To
Plug	Plug Landed @ <b>603</b>	Ft. Time On <b>1345</b>	
Production	Pipe Landed @ <b>645</b>	Ft. Time Off <b>PLUG DOWN C115</b>	

Reference No.	Description	Qty.	Mens.	Unit Price	Amount		
	Pump Truck Charge						
	Cement Neat ✓ 10.0% EXCESS	450	SKS				
	Poz. Mix						
	Calcium Chloride	3%					
	Gel % Flo-Cele 1/4 #Per Sack						
	Handling Charge						
	Hauling Charge						
	Additional Cement	40	SKS				
8 1/8"	CENTRALIZERS	3					
"	CEMENT BASKET	1					
"	CEMENT SHOE	1					
"	BAFFLE PLATE	1					
	BOX THREADLICK	1					
	MIX RATE 4 BPM	SLURRY VOL 1.18	FT <sup>3</sup> /SK	WATER TEMP 402 °F			
	DISP RATE 5 BPM	SLURRY WT 15.2	PPG				
	PLUG LANDED 500 PSI	TOTAL SLURRY VOL 102.9	BBL CEMENT				
Remarks:	PREFLUSH W/ 20 BBL H <sub>2</sub> O	Tax Reference Code	Sub Total				
	DISPLACE W/ 35.5 BBL H <sub>2</sub> O	State CO 2.9 %	Tax				
	CIRCULATE 5 BBL CEMENT	Disc.	Total				
Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1202		Pump Truck		26			
1217/1224		Bulk Truck		26/26			

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By **JCE, JCSH, ERNIE, TUCKER**

Received By

Customer or His Agent



# CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 31-DEC-12	F.R.# 1001858200	SERV. SUPV. JASON L.SJOBERG	
LEASE & WELL NAME PETERSON CX GH #30-14D - API 05123361440000		LOCATION 30-5N-63W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 26		TYPE OF JOB Long String	
SIZE & TYPE OF PLUGS	LIST-CSR-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES MD TVD
Cement Plug, Rubber, Top 4-1/2 in	Guide Shoe, Cement Nose, 4-1/2 in				
	Float Collar, Auto Fill, 4-1/2 - 8rd				
	Centralizer, with Pins, 4-1/2 in				
PHYSICAL SLURRY PROPERTIES					
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS
Treated Water	0	0	8.34	0	00:00
50:50G:Poz+.4CD32+.3CD32+.1SMS+20SF		295	14.6	1.38	5.90
Treated Water	0	0	8.34	0	00:00
Mud Clean II	0	0	8.5	0	00:00
Treated Water	0	0	8.34	0	00:00
PLC+4%Gel+.6%SMS+8#/skCSE2		270	11	3.22	19.86
Available Mix Water 450 Bbl.	Available Displ. Fluid 450 Bbl.	TOTAL			395.83 169.26
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS
SIZE	% EXCESS	DEPTH	ID	OD	WGT.
7.876	0	7001	4	4.5	11.6
		TYPE	MD	TVD	GRADE
		CSG	6961	6961	P-110
		SHOE	6961		
		FLOAT	6948		
		STAGE	0		
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID	OD	WGT.	TYPE	MD	TVD
8.1	8.63	24	CSG	634	634
		BRAND & TYPE		DEPTH	
		No Packer		0	
				TOP	
				BTM	
				SIZE	
				4.5	
				THREAD	
				8RND	
				TYPE	
				WATER BASED	
				WGT.	
				9.4	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
108.6	BBLS	Treated Water	8.34	1095	0
				SQ. PSI	
				0	
				MAX TBG PSI	
				0	
				MAX CSG PSI	
				6224	
				Operator	
				3000	
				Rig	
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Circulation Time: 1		
Mud Density In: 9.4 LBS/GAL			Mud Density Out: 9.4 LBS/GAL		
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			Units:		
PV & YP Mud In: 0			PV & YP Mud Out: 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 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		
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
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					
With 0 LBS/GAL					
Mud					
Time Held: 00 Hours 00 Minutes					



# 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		
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 <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	5047 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
23:00	0	0	0	0	N/A	Yard Call	
01:05	0	0	0	0	N/A	Leave Yard	
02:00	0	0	0	0	N/A	Arrive on Location	
02:40	0	0	0	0	N/A	Spot Trucks	
02:47	0	0	0	0	N/A	Pre Rig-up Safety Meeting	
03:35	0	0	0	0	N/A	Safety Meeting	
04:02	5047	0	0	0	H2O	Pressure Test Pump and Lines	
04:06	330	0	6	20	H2O	Preflush Fresh Water	
04:10	412	0	6	20	H2O	Preflush Mud Clean II	
04:13	474	0	6	20	H2O	Preflush Fresh Water	
04:17	243	0	5	150	CMT	Batch, Weigh, Pump 11# PLC+4%Gel+.6%SMS+8#skCSE2	
05:01	291	0	4	73	CMT	Pump 14.6# 50:50G:Poz+.4CD32+.3CD32+.1SMS+20SF	
05:25	0	0	0	0	N/A	Drop Plug	
05:36	92	0	4.8	97	H2O	Displacement	
05:56	1109	0	3.6	10	H2O	Drop Rate	
05:59	1287	0	3.6	107	H2O	Bump Plug	
06:03	0	0	0	0	N/A	Check Floats	
06:07	2500	0	0	0	H2O	Bump Plug	
06:09	0	0	0	0	N/A	Check Floats	
06:10	0	0	0	0	N/A	Post Job 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	1287	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	390	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



FIELD RECEIPT NO. 1001956200

CUSTOMER GREAT WESTERN OIL & GAS				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20013943 - 00229266		INVOICE NUMBER	
MAIL STREET OR BOX NUMBER 2005 HOWARD SMITH AVE EAST				CITY Windsor		STATE Colorado		ZIP CODE 80550			
DATE WORK COMPLETED		MO. 12	DAY 31	YEAR 2012	BHI REPRESENTATIVE JASON L SJOBERG		WELL API NO: 05123361440000		WELL TYPE: New Well		
DISTRICT BJS, BRIGHTON					JOB DEPTH (ft) 6,961		WELL CLASS: Gas				
WELL NAME AND NUMBER PETERSON CX GH #30-14D					TD WELL DEPTH (ft) 7,001		GAS USED ON JOB: No Gas				
WELL LOCATION :		LEGAL DESCRIPTION 30-5N-63W			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	
100021	Class G Cement				sacks	148					
100120	Bentonite				lbs	940					
100121	Silica Flour				lbs	4956					
100275	Sodium Metasilicate				lbs	166					
100317	Poz (Fly Ash)				sacks	148					
398108	Mud Clean II				gals	840					
398224	Premium Lite Cement				sacks	270					
488013	CD-32				lbs	75					
488015	FL-52				lbs	99					
488019	FP-6L				gals	5					
488353	CSE-2				lbs	2160					
499702	ClayCare, Clay Treat-2C, 260 gl tote				gals	8					
SUB-TOTAL FOR Product Material											
ARRIVE LOCATION :				MO. 01	DAY 01	YEAR 2013	TIME 02:00				
CUSTOMER REP. Shawn Armstrong				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.							
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT X							
				BHI APPROVED X							





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CUSTOMER GREAT WESTERN OIL & GAS				CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20013943 - 00229266		INVOICE NUMBER	
MAIL INVOICE TO 2005 HOWARD SMITH AVE EAST				CITY Windsor		STATE Colorado		ZIP CODE 80550			
DATE WORK COMPLETED		MO. 12	DAY 31	YEAR 2012	WELL API NO: 05123361440000		WELL TYPE: New Well				
DISTRICT B.J.S. BRIGHTON					JOB DEPTH (ft) 6,961		WELL CLASS: Gas				
WELL NAME AND NUMBER PETERSON CX GH #30-14D					TD WELL DEPTH (ft) 7,001		GAS USED ON JOB: No Gas				
WELL LOCATION: 30-5N-53W		LEGAL DESCRIPTION Weld			COUNTY/PARISH Colorado		JOB TYPE CODE: Long String				
PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT	
A152 M100	Personnel Per Diem Chrg - Cement Svc Bulk Materials Blending Charge				ea cu ft	1 728					
SUB-TOTAL FOR Service Charges											
F065A F090 J050 J225 J390 J391	Cement Pumping, 6001 - 7000 ft Fuel per pump charge - cement Cement Head Data Acquisition, Cement, Standard Mileage, Heavy Vehicle Mileage, Auto, Pick-Up or Treating Van				6hrs pump/hr job job miles miles	1 4 1 1 90 90					
SUB-TOTAL FOR Equipment											
J401	Bulk Delivery, Dry Products				ton-mi	1279					
SUB-TOTAL FOR Freight/Delivery Charges											
FIELD ESTIMATE											
ARRIVE LOCATION : 01 01 2013 02:00					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.						
CUSTOMER REP. Shawn Armstrong					CUSTOMER AUTHORIZED AGENT X						
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS					BHI APPROVED X						



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