



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

OUR INVOICE

**201066**

Date <b>11-23-12</b>	Well Owner <b>GREAT WESTERN</b>	Well No. <b>23-44-22</b>	Lease <b>C-I</b>
County <b>WELD</b>	State <b>COLORADO</b>	Field	
Charge to <b>CADE DRILLING, LLC</b>			Charge Code
Address <b>3450 WCR ST, UNIT # 2 (CADG-25)</b>			For Office Use Only
City, State <b>FT. LUTON COLORADO 80621</b>			
Pump Truck No. <b>1202</b>	Code	Bulk Truck No. <b>1218</b>	Code
Type of Job	Depth	Ft. <b>746</b>	To
<b>Surface</b> <b>8 7/8" CSG - 24 #</b>	Bottom of Surface	Ft. <b>734</b>	To
Plug	Plug Landed @ <b>692</b>	Ft.	Time On <b>0745</b>
Production	Pipe Landed @ <b>734</b>	Ft.	Time Off <b>PLUG DOWN 1145</b>

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓	<b>520</b>	<b>SKS</b>		
	Poz. Mix				
	Calcium Chloride	<b>3%</b>			
	Gel % Flo-Cele $\frac{1}{4}$ #Per Sack				
	Handling Charge				
	Hauling Charge				
	Additional Cement				
<b>8 5/8"</b>	<b>CENTRALIZERS</b>	<b>3</b>			
"	<b>CEMENT BASKET</b>	<b>1</b>			
"	<b>GUIDE SHOE</b>	<b>1</b>			
"	<b>BIFFLE PLATE</b>	<b>1</b>			
	<b>BOX THROULOCK</b>	<b>1</b>			
	MIX RATE 4 BPM	SLURRY VOL	<b>619 FT<sup>3</sup>/SK</b>	<b>WATER TEMP</b>	<b>52.1</b>
	DISP RATE 5 BPM	SLURRY WT	<b>15.2</b>	<b>PPG</b>	
	PLUG LANDED @ 700 PSI	TOTAL	SLURRY VOL	<b>107.2 BBL CEMENT</b>	

Remarks: <b>FRESHEN W/ 20 BBL H<sub>2</sub>O</b>	Tax Reference Code	Sub Total
<b>DISPLACE W/ 44.0 BBL H<sub>2</sub>O</b>	State <b>CO 2.9 %</b>	Tax
<b>CIRCULATE 4 BBL CEMENT</b>	Disc.	Total

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
<b>1202</b>		Pump Truck		<b>30</b>			
<b>1218</b>		Bulk Truck		<b>30</b>			

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 Joe, Joel Z., CUNN Received By \_\_\_\_\_ Customer or His Agent

# CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 26-NOV-12	F.R. # 1001949839	SERV. SUPV. CALEB C KINGSLEY											
LEASE & WELL NAME O-I #23-44-22 - API 05123351730000		LOCATION 23-6N-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	HANGER TYPES	MD	TVD					
Cement Plug, Rubber, Top 4-1/2 in		Cement Basket, Slip On, 4-1/2 in		NONE		0	0	NONE	0	0					
		Centralizer, with Pins, 4-1/2 in		NONE		0	0	NONE	0	0					
		Float Collar, Auto Fill, 4-1/2 - 8rd		NONE		0	0	NONE	0	0					
		Guide Shoe, Texas-Notched 4-1/2 i													
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES											
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER					
Treated Water		0		0	8.34	0	0	00:00	20						
50:50G:Poz+.4CD32+.3CD32+.1SMS+20SF		0		295	14.6	1.38	5.90		72.5	41.43					
Treated Water		0		0	8.34	0	0	00:00	114.95						
Mud Clean II		0		0	8.34	0	0	00:00	20						
Treated Water		0		0	8.34	0	0	00:00	20						
PLC+4%Gel+.6%SMS+8#/skCSE2		0		295	11	3.22	19.86	00:00	169	139.51					
Available Mix Water 400		Bbl.		Available Displ. Fluid 200		Bbl.		TOTAL		416.45 180.95					
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
7.875	0	7413	4	4.5	11.6	CSG	7413	7413	N-80	7381	7366	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	746	746	NO PACKER OR CEMENT R	0	0	0	4.5	8RND	WATER BASED	9.7		
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			
114.4	BBLS	Treated Water		8.34	1170	0		0	0	0	7780	6224	RIG TANK		
<b>Circulation Prior to Job</b>															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 BPM							
Mud Density In: 9.7 LBS/GAL				Mud Density Out: 9.7 LBS/GAL				PV & YP Mud In: 18				PV & YP Mud Out: 18			
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"/>							
<b>Displacement And Mud Removal</b>															
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: 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"/> RECIPROICATION <input checked="" type="checkbox"/> NONE				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															
<b>Plugs</b>															
Number of Attempts by BJ: 0				Competition:				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							
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>															
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	4511 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
10:20	0	0	0	0	NA	LEAVE THE YARD	
11:35	0	0	0	0	NA	ARRIVE TO LOCATION	
11:38	0	0	0	0	NA	SPOT TRUCKS	
12:10	0	0	0	0	NA	SAFETY MEETING	
12:53	4511	0	0	0	H2O	PRESSURE TEST	
12:58	403	0	7.2	20	H2O	FRESH WATER WITH CLAY CARE SPACER	
13:03	411	0	7.2	20	H2O	MUD CLEAN II SPACER	
13:07	472	0	7.2	20	H2O	FRESH WATER WITH CLAY CARE SPACER	
13:09	0	0	0	0	NA	SHUT DOWN AND PREPARE FOR CMT	
13:13	107	0	6.3	173	CMT	LEAD CMT PUMPED AT 11 PPG	
13:51	140	0	4.3		CMT	TAIL CMT PUMPER AT 14.6 PPG	
14:06	0	0	0	0	H2O	SHUT DOWN AND WASH UP	
14:10	0	0	0	0	H2O	DROP PLUG	
14:15	110	0	7.2	80	H2O	DISPLACEMENT	
14:28	788	0	6	10	H2O	DROP RATE	
14:30	926	0	4.8	10	H2O	DROP RATE	
14:32	1127	0	3.6	14	H2O	DROP RATE	
14:35	1252	0	3.6	114	H2O	FINAL LIFT	
14:35	2424	0	3.6	0	H2O	BUMP PLUG	
14:38	2530	0	0	0	NA	BLEED OFF PRESSURE AND FLOATS HELD. 1 BBL OF H2O BACK.	
14:25	175	0	7.2	65	H2O	CAUGHT CMT	

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	1170	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	415	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>C. Knig</i>



FIELD RECEIPT NO. 1001949839

CUSTOMER GREAT WESTERN OIL & GAS		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20013943 - 00229286		INVOICE NUMBER	
MAIL INVOICE TO STREET OR BOX NUMBER 503 MAIN ST		CITY Windsor		STATE Colorado		ZIP CODE 80550			
DATE WORK COMPLETED	MO. 11	DAY 26	YEAR 2012	WELL API NO. 05123351730000	WELL TYPE : New Well				
DISTRICT BJS, BRIGHTON				JOB DEPTH(ft) 7,381		WELL CLASS : Gas			
WELL NAME AND NUMBER O-1 #23-44-22				TD WELL DEPTH(ft) 7,413		GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 23-6N-67W		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	29.700	4,395.60	55%	1,978.02
100120	Bentonite			lbs	1027	0.500	513.50	55%	231.08
100121	Silica Flour			lbs	4956	0.530	2,626.68	55%	1,182.01
100275	Sodium Metasilicate			lbs	179	3.900	698.10	55%	314.15
100317	Poz (Fly Ash)			sacks	148	13.200	1,953.60	55%	879.12
398108	Mud Clean II			gals	840	1.610	1,352.40	55%	608.58
398224	Premium Lite Cement			sacks	295	24.050	7,094.75	55%	3,192.64
488013	CD-32			lbs	75	12.650	948.75	55%	426.94
488015	FL-52			lbs	99	25.600	2,534.40	55%	1,140.48
488019	FP-6L			gals	5	99.250	496.25	55%	223.31
488353	CSE-2			lbs	2361	1.610	3,801.21	55%	1,710.54
499702	ClayCare, Clay Treat-2C, 260 gl tote			gals	8	140.000	1,120.00	55%	504.00
SUB-TOTAL FOR Product Material							27,535.24	55.00%	12,390.87
ARRIVE LOCATION :	MO. 11	DAY 26	YEAR 2012	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		CUSTOMER AUTHORIZED AGENT			
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT		BHI APPROVED			



Baker Hughes JobMaster Program Version 3.60  
Job Number: 1001949839  
Customer: GREAT WESTERN  
Well Name: O-I 23-44-22

