



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

OUR INVOICE

200646

Date 9/1/12	Well Owner Great Western	Well No. 17-23-18	Lease Fritzier
County Weld	State Colorado		Field
Charge to CADE Drilling LLC			Charge Code
Address 3450 WCR 27 #2 (CADE #25)			For Office Use Only
City, State FT. LYONS, Colorado 80621			
Pump Truck No. 1208	Code	Bulk Truck No. 214/1218	Code
Type of Job		Depth	Fl. 743 To
Surface 8 5/8" CSG-24 #		Bottom of Surface	Fl. 732 To
Plug		Plug Landed @ 690	Ft. Time On 6730
Production		Pipe Landed @ 732	Ft. Time Off Plug Down @ 1030

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓	520	SKS		
	Poz. Mix				
	Calcium Chloride	3%			
	Gel % Flo-Cele 4 #Per Sack				
	Handling Charge				
	Hauling Charge				
	Additional Cement				
8 5/8"	Centralizers	3			
"	Cement Basket	1			
"	Guide Sizer	1			
"	Baffle Plate	1			
	Box Threadlock	1			
	Mix Rate 4 BPM	Slurry Vol - 118 FT³/WK - Water Temp - 76^oF			
	Disp Rate 5 BPM	Slurry WT 15.2 PPG			
	Plug landed @ 550 PSI	Total Slurry Vol - 109.2 BBL Cement			
Remarks: Pre-Flush w/ 20 BBL H²O	Tax Reference Code	Sub Total			
Displace w/ 43.8 BBL H²O	State CO 2.9 %	Tax			
Circulate 4 BBL Cement	Disc.	Total			

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1208		Pump Truck		20			
214/1218		Bulk Truck		20/20			

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 Justin, Evan & Steve

Received By _____

Customer or His Agent



FIELD RECEIPT NO. 1001933459

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 :							
09 06 2012	06 2012	BARLEN M JOYNER	05123359970000	New Well							
DISTRICT	JOB DEPTH (ft)										
BJS, BRIGHTON	7,745										
WELL NAME AND NUMBER	TD WELL DEPTH (ft)										
FRITZLER #17-23-18	7,755										
WELL LOCATION :	LEGAL DESCRIPTION	COUNTY/PARISH	STATE	JOB TYPE CODE :							
17-6N-66W	Weld		Colorado	Long String							
PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT				
100021	Class G Cement	sacks	148	31.800	4,706.40	55%	2,117.88				
100120	Bentonite	lbs	1010	0.530	535.30	55%	240.89				
100121	Silica Flour	lbs	4956	0.590	2,924.04	55%	1,315.82				
100275	Sodium Metasilicate	lbs	177	4.100	725.70	55%	326.57				
100317	Poz (Fly Ash)	sacks	148	14.200	2,101.60	55%	945.72				
398108	Mud Clean II	gals	840	1.700	1,428.00	55%	642.60				
398224	Premium Lite Cement	sacks	290	27.650	8,018.50	55%	3,608.33				
488013	CD-32	lbs	75	13.300	997.50	55%	448.88				
488015	FL-52	lbs	100	26.900	2,690.00	55%	1,210.50				
488019	FP-6L	gals	5	104.250	521.25	55%	234.56				
488353	CSE-2	lbs	2320	1.700	3,944.00	55%	1,774.80				
499702	ClayCare, Clay Treat-2C, 260 gl tote	gals	9	147.000	1,323.00	55%	595.35				
					SUB-TOTAL FOR Product Material		29,915.29				
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.							
09 06 2012		19:00									
CUSTOMER REP.		Shawn Armstrong									
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS		CUSTOMER AUTHORIZED AGENT									
		BHI APPROVED									



FIELD RECEIPT NO. 1001933459

CUSTOMER		GREAT WESTERN OIL & GAS		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER		INVOICE NUMBER	
MAIL INVOICE TO :		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE			
DATE WORK COMPLETED		MO. DAY YEAR		WELL API NO:		WELL TYPE :		WELL CLASS :			
DISTRICT		B.S. BRIGHTON		JOB DEPTH (ft)		JOB DEPTH (ft)		GAS USED ON JOB :			
WELL NAME AND NUMBER		FRITZLER #17-23-18		TD WELL DEPTH (ft)		TD WELL DEPTH (ft)		GAS USED ON JOB :			
WELL LOCATION :		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :			
PRODUCT CODE		DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		% DISC.	
NET AMOUNT		GROSS AMOUNT									
A152	Personnel Per Diem Chrg - Cement Svc	ea	1	210.000	210.00	0%	210.00	0%	210.00		
M100	Bulk Materials Blending Charge	cu ft	754	5.450	4,109.30	55%	4,109.30	52.33%	1,849.19		
		SUB-TOTAL FOR Service Charges									
F067A	Cement Pumping, 7001 - 8000 ft	6hrs	1	9,525.000	9,525.00	55%	9,525.00	55%	4,286.25		
F090	Fuel per pump charge - cement	pump/hr	4	70.250	281.00	0%	281.00	0%	281.00		
J050	Cement Head	job	1	830.000	830.00	55%	830.00	55%	373.50		
J225	Data Acquisition, Cement, Standard	job	1	2,130.000	2,130.00	55%	2,130.00	55%	968.50		
J390	Mileage, Heavy Vehicle	miles	84	11.850	995.40	55%	995.40	55%	447.93		
J391	Mileage, Auto, Pick-Up or Treating Van	miles	84	6.700	562.80	55%	562.80	55%	253.26		
		SUB-TOTAL FOR Equipment									
J401	Bulk Delivery, Dry Products	ton-mi	1235	3.940	4,865.90	55%	4,865.90	55.00%	2,189.66		
		SUB-TOTAL FOR Freight/Delivery Charges									
		FIELD ESTIMATE									
		SUB-TOTAL									
		53,424.69									
		24,311.19									

SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER AUTHORIZED AGENT

BHI APPROVED

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 AUTHORIZED AGENT

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 06-SEP-12	F.R. # 1001933459	SERV. SUPV. BARLEN M JOYNER										
LEASE & WELL NAME FRITZLER #17-23-18 - API 05123359970000		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, Top 4-1/2 in		Float Collar, AI Flap, 4-1/2 - 8rd		NONE		0	0	NONE		0	0			
		Float Shoe 4-1/2 - 8rd												
		Cement Basket, Slip On, 4-1/2 in												
		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 ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
Treated Water		0		0	8.34	0	0	00:00	20					
Tail		0		295	14.6	1.38	5.90	02:30	72.5	41.43				
Treated Water		0		0	8.34	0	0	00:00	120.1					
Mud Clean II		0		0	8.5	0	0	00:00	20					
Treated Water		0		0	8.34	0	0	00:00	20					
Lead		0		290	11	3.22	19.86	03:30	166.31	137.29				
Available Mix Water		500 Bbl.		Available Displ. Fluid		150 Bbl.		TOTAL		418.91	178.73			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
7.875	0	7755	4	4.5	11.6	CSG	7745	7306	N-80	7745	7731	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	692	690	NO LINER		0	0	0	4.5	8RD	WATER BASED	9.3
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				
120.1	BBLs	Treated Water	8.34	1154	0	0	0	0	6224	3000	RIG TANK			
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: 9.3 LBS/GAL				Mud Density Out: 9.3 LBS/GAL				PV & YP Mud In: 40			PV & YP Mud Out: 40			
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: 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				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 checked="" 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	EXPLANATION	
	PIPE	ANNULUS				SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	TEST LINES 4798 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
15:30	0	0	0	0	N/A	YARD CALL	
19:00	0	0	0	0	N/A	ARRIVE ON LOCATION (42 MILES) ON BOTTOM CIRCULATING WELL	
19:01	0	0	0	0	N/A	SPOT TRUCKS	
19:10	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING	
19:30	0	0	0	0	N/A	SAFETY MEETING	
19:55	4798	0	0	0	WATER	PRESSURE TEST	
20:03	458	0	7.2	20	WATER	CLAYCARE SPACER	
20:06	488	0	7.2	20	WATER	MUD CLEAN II	
20:09	569	0	7.2	20	WATER	CLAYCARE SPACER	
20:12	636	0	7.2	164	CMT	BATCH UP, WEIGH AND PUMP 290 SX OF PLC + 4% BENTONITE + 0.6% SMS + 8 LBS/SACK CSE-2 @ 11.0 PPG	
20:34	137	0	4.9	71	CMT	BATCH UP, WEIGH AND PUMP 295 SX OF 50:50 POZ/G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SMS + 20% S-8 @ 14.6 PPG	
20:50	0	0	0	0	N/A	DROP PLUG	
20:53	135	0	7.2	70	WATER	START CLAYCARE DISPLACEMENT	
21:05	249	0	7.2	20	WATER	CAUGHT CEMENT	
21:07	608	0	6	10	WATER	DROP RATE	
21:09	749	0	4.8	10	WATER	DROP RATE	
21:11	963	0	3.6	10	WATER	DROP RATE	
21:13	1199	0	3.6	120	WATER	BUMP PLUG	
21:13	2546	0	0	0	N/A	PLUG DOWN @ 120 BBLS	
21:16	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING	
21:50	0	0	0	0	N/A	TIME OFF LOCATION	

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	1199	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	415	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	