

# CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 27-DEC-12	F.R. # 1001955657		SERV. SUPV. NATHANIEL J WINDHOLZ		
LEASE & WELL NAME PETERSON CX GH #30-28D - API 05123361700000		LOCATION 30-5N-63W		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 Shoe 4-1/2 - 8rd					
		Float Collar, Auto Fill, 4-1/2 - 8rd					
		Centralizer, with Pins, 4-1/2 in					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	
Treated Water				0	8.34	0	
50:50G:Poz+.4CD32+.3CD32+.1SMS+20SF				295	14.6	1.38	
Treated Water				0	8.34	0	
Mud Clean II				0	8.5	0	
Treated Water				0	8.34	0	
PLC+4%Gel+.6%SMS+8#/skCSE2				270	11	3.22	
Available Mix Water 385 Bbl.		Available Displ. Fluid 150 Bbl.		TOTAL		396.1 169.22	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE
7.875	0	7021	4	4.5	11.6	CSG	7018 6741 N-80
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	WELL FLUID	
8.1	9.63	24	CSG	600	600	BRAND & TYPE DEPTH TOP BTM	
						SIZE THREAD TYPE WGT.	
						4.5 8RD WATER BASED 9.4	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
108.8	BBLS	Treated Water	8.34	1200	0	0	0
						MAX TBG PSI	
						MAX CSG PSI	
						Operator RATED Operator	
						6250 3000 RIG TANK	
Circulation Prior to Job							
Circulated Well: Rlg <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1 Circulation Rate: 7 BPM			
Mud Density In: 9.4 LBS/GAL Mud Density Out: 9.4 LBS/GAL				PV & YP Mud In: 21 PV & YP Mud Out: 21			
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: Rlg <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"/> 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 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 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)  
 PIPE STUCK BEFORE JOB BUT WAS FREE BEFORE PUMPING JOB.

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 4400 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
14:10	0	0	0	0	N/A	ARRIVE ON LOCATION			
14:45	0	0	0	0	N/A	PRE-RIG UP MEETING			
15:20	0	0	0	0	N/A	SAFETY MEETING			
18:07	1500	0	0	0	H2O	PRE-TEST			
18:08	4400	0	0	0	H2O	TEST			
18:10	450	0	7.2	20	H2O	PRE-FLUSH CT3C			
18:14	530	0	7.2	20	H2O	MUD CLEAN II			
18:17	550	0	7.2	20	H2O	SPACER CT3C			
18:21	550	0	7.2	145	CMT	BATCH UP AND PUMP 270 SKS PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11 PPG			
18:44	220	0	4.8	69	CMT	BATCH UP AND PUMP 295 SKS (50:50) Poz.G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SM + 20% Silica Flour @ 14.6 PPG			
18:58	0	0	0	0	H2O	DROP PLUG AND WASH UP			
19:07	1200	0	7.2	100	H2O	DISPLACE CT3C			
19:23	1200	0	2.4	9	H2O	RATE CHANGE			
19:25	2560	0	0	0	H2O	PLUG DOWN @ 109			
19:30	0	0	0	0	N/A	PRE-RIG DOWN MEETING			
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 2560	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 395	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature: 		





FIELD RECEIPT NO. 1001955657

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			
INVOICE TO:		DATE WORK NO.		BHI REPRESENTATIVE		WELL API NO:		WELL TYPE:			
COMPLETED 12 27 2012		NATHANIEL WINCHOLZ				05123361700000		New Well			
DISTRICT BJS, BRIGHTON		JOB DEPTH (ft)		7,018		WELL CLASS:		Gas			
WELL NAME AND NUMBER PETERSON CX GH #30-28D		TD WELL DEPTH (ft)		7,021		GAS USED ON JOB:		No Gas			
WELL LOCATION: 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	
100021		Class G Cement		sacks		148					
100112		Calcium Chloride		lbs		350					
100120		Bentonite		lbs		940					
100121		Silica Flour		lbs		4956					
100275		Sodium Metasilicate		lbs		186					
100317		Poz (Fly Ash)		sacks		148					
100404		Sodium Chloride		lbs		150					
398108		Mud Clean II		gals		840					
398224		Premium Lite Cement		sacks		270					
488013		CD-32		lbs		75					
488015		FL-32		lbs		99					
488019		FP-6L		gals		3					
488353		CSE-2		lbs		2180					
499702		ClayCare, Clay Treat-2C, 260 gl tote		gals		7					
SUB-TOTAL FOR Product Material											
ARRIVE LOCATION: 12 27 2012 14:10				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. MATT JOHNSON				CUSTOMER AUTHORIZED AGENT							
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				BHI APPROVED							



FIELD RECEIPT NO. 1001955657

CUSTOMER				GREAT WESTERN OIL & GAS				CREDIT APPROVAL NO.				PURCHASE ORDER NO.				CUSTOMER NUMBER				INVOICE NUMBER															
MAIL INVOICE TO:				STREET OR BOX NUMBER				2005 HOWARD SMITH AVE EAST				CITY				Windsor				STATE				Colorado				ZIP CODE				80550			
DATE WORK COMPLETED				MO. DAY YEAR				12 27 2012				BHI REPRESENTATIVE				WELL API NO:				05123361702000				WELL TYPE:				New Well							
DISTRICT				BJS, BRIGHTON				JOB DEPTH (ft)				7.018				WELL CLASS:				Gas				GAS USED ON JOB:				No Gas							
WELL NAME AND NUMBER				PETERSON CX GH #30-28D				TD WELL DEPTH (ft)				7.021				JOB TYPE CODE:				Long String															
WELL LOCATION:				LEGAL DESCRIPTION				30-5N-63W				COUNTY/PARISH				Weld				STATE				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																							
M10C				Bulk Materials Blending Charge				cu ft				137																							
				SUB-TOTAL FOR Service Charges																															
F065A				Cement Pumping, 6001 - 7000 ft				Ghr.				1																							
F090				Fuel per pump charge - cement				pump/hr				3																							
J050				Cement Head				job				1																							
J225				Data Acquisition, Cement Standard				job				1																							
J390				Mileage, Heavy Vehicle				miles				88																							
J391				Mileage, Auto, Pick-Up or Treating Van				miles				88																							
				SUB-TOTAL FOR Equipment																															
J401				Bulk Delivery, Dry Products				ton - mt				1281																							
				SUB-TOTAL FOR Freight/Delivery Charges																															
				FIELD ESTIMATE																															
ARRIVE LOCATION:				MO. DAY YEAR TIME				12 27 2012 14:10																											
CUSTOMER REP.				MATT JOHNSON																															
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS																																			
				CUSTOMER AUTHORIZED AGENT																															
				BHI APPROVED																															

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

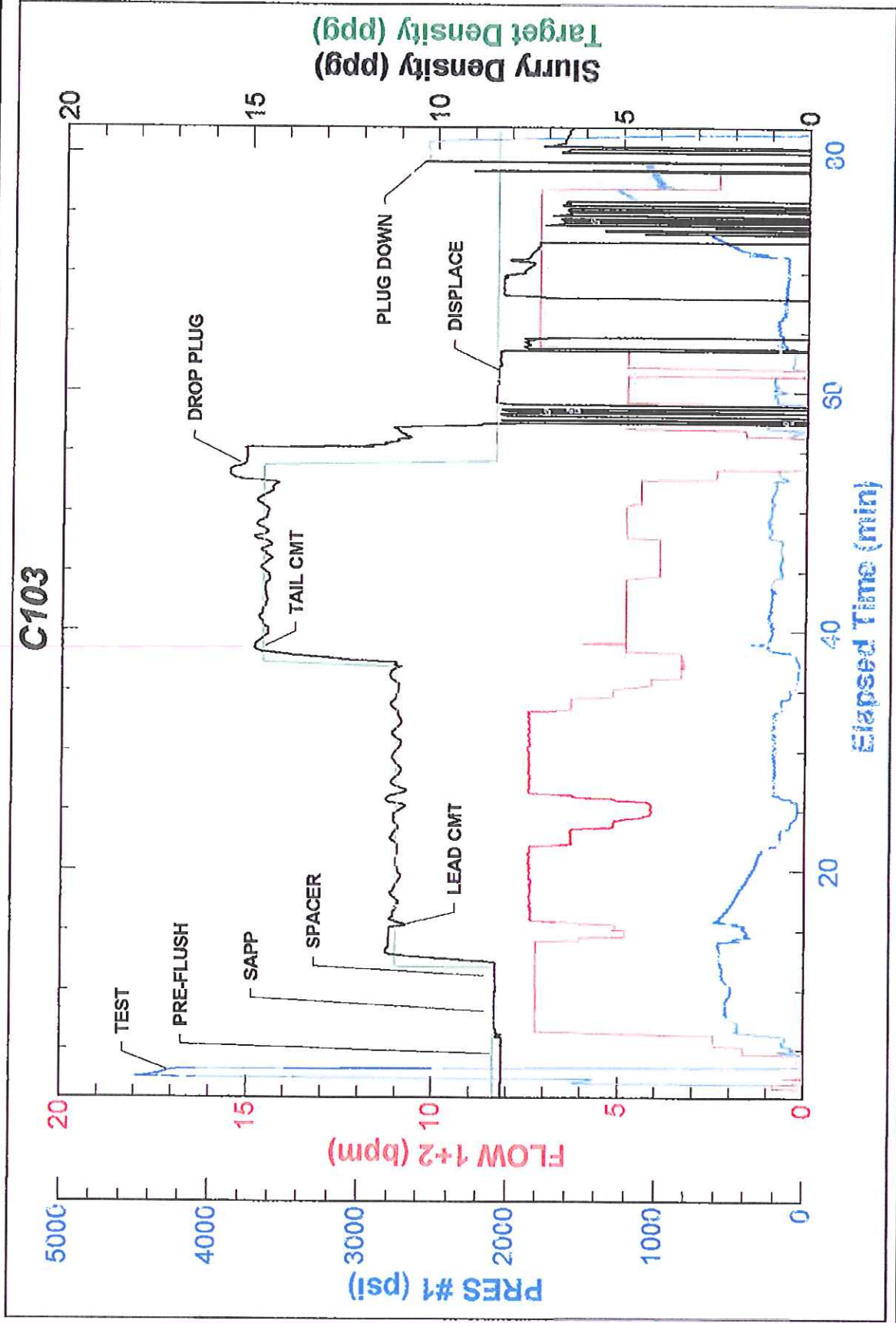
CUSTOMER AUTHORIZED AGENT

X

X

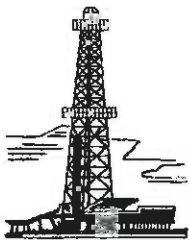


Baker Hughes JobMaster Program Version 3.60  
Job Number: 1001955657  
Customer: Great Western  
Well Name: PETERSON CX GH 30-28D





**PIONEER OFFICE USE ONLY – Approval**



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

OUR INVOICE

201132

Date <b>12-24-12</b>	Well Owner <b>GREAT WESTERN</b>	Well No. <b>30-28D</b>	Lease <b>PETERSON CX 6</b>
County <b>WELD</b>	State <b>COLORADO</b>	Field	
Charge to <b>CADE DRILLING, LLC</b>	Charge Code		For Office Use Only
Address <b>3450 WCR 27 UNIT #2 (CADE-25)</b>			
City, State <b>FT LOPSON COLORADO 80621</b>			
Pump Truck No. <b>1202</b>	Code	Bulk Truck No. <b>1216/1217</b>	Code
Type of Job	Depth	Ft. <b>654</b>	To
Surface <b>8 5/8" CSG - 24 H</b>	Bottom of Surface	Ft. <b>644</b>	To
Plug	Plug Landed @ <b>603</b>	Ft.	Time On <b>1230</b>
Production	Pipe Landed @ <b>644</b>	Ft.	Time Off <b>PLUG DOWN 1430</b>

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓	450	SKS		
	Poz. Mix				
	Calcium Chloride	31			
	Gel % Flo-Cele $\frac{1}{4}$ #Per Sack				
	Handling Charge				
	Hauling Charge				
	Additional Cement	40	SKS		
8 5/8"	CENTRALIZERS	3			
"	CEMENT BASKET	1			
"	GUIDE SHOE	1			
"	BAFFLE PLATE	1			
	BOX THREADLOCK	1			
	MIX RATE 4 BPM	SLDRS	VOL	1.18 FT <sup>3</sup> /SK - WATER	TEMP 50°
	DISP RATE 5 BPM	SLDRS	WT	15.2' PPG	
	PLUG LANDED @ 600 PSI	TOTAL	SLDRS	VOL	102.9 BBL CEMENT

Remarks: <b>PREFLUSH w/ 20 BBL H<sub>2</sub>O</b>	Tax Reference Code	Sub Total
<b>DISPLACE w/ 38.3 BBL H<sub>2</sub>O</b>	State <b>CO 2.9 %</b>	Tax
<b>CIRCULATE 6 BBL CEMENT</b>	Disc.	Total

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
<b>1202</b>		Pump Truck		<b>26</b>			
<b>1216/1217</b>		Bulk Truck		<b>26</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, Josh 2., ERNIE**

Received By

Customer or His Agent