



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

OUR INVOICE

201233

Date 4/1/13	Well Owner Great Western	Well No. 17-6D	Lease Campbell JF
County Weld	State Colorado	Field	
Charge to CAOE Drilling, LLC	Charge Code		For Office Use Only
Address 3450 WCR 27 #2 (CAOE-25)			
City, State FT. LYONS, Colorado 80621			
Pump Truck No. 1208	Code	Bulk Truck No. 1214/1216	Code
Type of Job	Depth	Ft. 953	To
Surface 8 5/8" CSG-24"	Bottom of Surface	Ft. 943	To
Plug	Plug Landed @ 901	Ft.	Time On 1100
Production	Pipe Landed @ 943	Ft.	Time Off 1430

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓	600	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 Shoe	1			
	Baffle Plate	1			
	Box-thread lock	1			
	Mix Rate 4 BPM	Slurry Vol - 1.18 FT³/SK - water Temp - 67° F			
	Disp Rate 5 BPM	Slurry wt 15.2 PPG			
	Plug landed @ 400 PSI	Total Slurry Vol - 126 BBL Cement			
Remarks: Pre-Flush w/ 30 BBL H²O	Tax Reference Code	Sub Total			
Displace w/ 57.3 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		40			
1214/1216		Bulk Truck		40/40			

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 **Jim, Justin, Adam & Tucker**

Received By

Customer or His Agent

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	4529 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
01:05	0	0	0	0	NA	LEAVE THE DISTRICT	
01:35	0	0	0	0	NA	ARRIVE TO LOCATION	
03:05	0	0	0	0	NA	SPOT TRUCKS	
04:18	0	0	0	0	NA	SAFETY MEETING	
04:54	4529	0	.4	1	H2O	PRESSURE TEST	
04:58	523	0	5.7	20	H2O	FRESH WATER SPACER WITH CLAY CARE	
05:04	548	0	5.7	20	H2O	MUD CLEAN II SPACER	
05:09	626	0	5.7	20	H2O	FRESH WATER SPACER WITH CLAY CARE	
05:12	0	0	0	0	NA	SHUT DOWN AND PREPARE FOR CMT	
05:15	657	0	6.7	145	CMT	BATCH AND PUMP LEAD CMT AT 11 PPG	
05:44	278	0	5.2	76	CMT	PUMP TAIL CMT AT 14.6 PPG	
06:01	0	0	0	0	NA	SHUT DOWN AND WASH UP PUMPS AND LINES	
06:05	0	0	0	0	NA	DROP PLUG	
06:11	139	0	5.9	90	H2O	DISPLACEMENT WITH CLAY CARE	
06:21	231	0	5.9	0	H2O	CAUGHT CMT WITH 70 BBL OF DISPLACEMENT PUMPED	
06:23	741	0	4.4	10	H2O	DROP RATE	
06:26	891	0	2.4	17.5	H2O	DROP RATE	
06:33	1371	0	2.4	117.5	H2O	SHUT DOWN WHEN WE DID NOT PUMP THE PLUG. THE COMPANY MAN, PUSHER AND MYSELF DECIDED TO SHUT IN THE WELL AND HOLD PRESSURE ON THE WELL.	
06:36	304	0	.4	1	H2O	SHUT IN THE WELL WITH 304 PSI ON THE WELL	
07:25	0	0	0	0	NA	LEAVE THE 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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	398.5	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 04-APR-13	F.R.# 1001977859	SERV. SUPV. CALEB C KINGSLEY										
LEASE & WELL NAME CAMPBELL JF #17-6D - API 05123363260000		LOCATION 17-2N-6SW		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, Cement Nose, 4-1/2 i												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				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					
50:50G:Pol+.4CD32+.3CD32+.1SMS+20SF		0		330	14.6	1.38	5.90		81.8	46.75				
Treated Water		0		0	8.34	0	0	00:00	116.6					
Mud Clean II		0		0	8.5	0	0	00:00	20					
Treated Water		0		0	8.34	0	0	00:00	20					
PLC+4%Gel+.6%SMS+8#/skCSE2		0		270	11	3.22	19.86	00:00	154.8	127.79				
Available Mix Water		200 Bbl.		Available Displ. Fluid		200 Bbl.		TOTAL		413.2	174.54			
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
7.875	0	7537	4	4.5	11.6	CSG	7554	7429	N-80	7519	7505	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	907	907	NO PACKER OR CEMENT R		0	0	0	4.5	8RND	WATER BASED	9.6
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		
116.6	BBLS	Treated Water		8.34	1288	0		0	0	0	7780	6224	RIG TANK	
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 BPM						
Mud Density In: 9.6 LBS/GAL				Mud Density Out: 9.6 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"/>						
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				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:				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								
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE														