CEMENTER'S WELL SERVICE, INC.

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712

OUR INVOICE

201125

Date 12/20/12	Well Owner Great Western	Well No. 30-270	Lease Peterson CX GH
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. Lupton, Colorado 80621			

Pump Truck No. 1208	Code	Bulk Truck No 1217/1224	Code	
Type of Job		Depth	Ft. 1655	To
(Surface) 8 5/8" CSG 24#		Bottom of Surface	Ft. 1645	To
Plug		Plug Landed @ 1603	Ft.	Time On 0545
Production		Pipe Landed @ 1645	Ft.	~~Time Off~~ Plug Down @ 1000

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓ 100 % Excess	450	SKS		
	Poz. Mix				
	Calcium Chloride	3 %			
	Gel % Flo-Cele 1/4 #Per Sack				
	Handling Charge				
	Hauling Charge				
	Additional Cement	40	SKS		
8 5/8"	Centralizers	3			
"	Cement Basket	1			
"	Guide Shoe	1			
	Box-thread lock	1			
	Mix Rate 4 BPM	Slurry vol- 1.18 FT³/SK- water Temp - 47°F			
	Disp Rate 5 BPM	Slurry WT 15.2 PPG			
	Plug landed @ 250 PSI	Total Slurry Vol-	102.9 BBL Cement		

Remarks: Pre-Flush w/ 20 BBL H²⁰
Displace w/ 38.3 BBL H²⁰
Circulate 5 BBL Cement

Tax Reference Code		Sub Total	
State CO 29		Tax	
Disc.		Total	

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1208		Pump Truck		24			
1217/1224		Bulk Truck		24/24			

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

CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
GREAT WESTERN OIL & GAS	23-DEC-12	1001955466	CHRISTOPHER M MCKEON

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
PETERSON CX GH #30-27D - API 05123361430000	30-5N-63W	Weld Colorado
DISTRICT	**DRILLING CONTRACTOR RIG #**	**TYPE OF JOB**
Brighton	CADE 25	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						
	Centralizer, with Pins, 4-1/2 in						
	Float Collar, Auto Fill, 4-1/2 - 8rd						
	Float Shoe 4-1/2 - 8rd						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Treated Water		0	8.34	0	0	00:00	20	
50:50G:Poz+.4CD32+.3CD32+.1SMS+20SF		295	14.6	1.38	5.90	02:00	75	42.86
Treated Water		0	8.34	0	0	00:00	109.02	
Mud Clean II		0	8.5	0	0	00:00	20	
Treated Water		0	8.34	0	0	00:00	20	
PLC+4%Gel+.6%SMS+8#/skCSE2		270	11	3.22	19.86		155	127.95
						TOTAL	399.02	170.82

PHYSICAL SLURRY PROPERTIES

Available Mix Water 300 Bbl. Available Displ. Fluid 300 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
7.875	20	7091	4	4.5	11.6	CSG	7053	6741	N-80	7053	7035	

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
8.1	8.63	24	CSG	644	644	No packer		0	0	4.5	8RD	WATER BASED	9.3

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SO. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
109	BBLS	Treated Water	8.34	1027	0	0	0	0	6224	3000	Rig Tank

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 5 | Circulation Rate: 6 BPM

Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 LBS/GAL | PV & YP Mud In: 0 | PV & YP Mud Out: 0

Gas Present: NO [X] YES [ ] Units: | Solids Present at End of Circulation: NO [X] YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] | Amount Bled Back After Job: 1 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: Visual

Cement Returns at Surface: [ ] YES [X] NO | Were Returns Planned at Surface: [X] NO [ ] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES | Quantity: 30 | Type: [X] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [X] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 | Wiper Balls Used: [X] NO [ ] YES Quantity:

Plug Catcher Used: [X] NO [ ] YES | Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES | Top of Plug: 0 FT | Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES | Bond Log: [X] NO [ ] YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NA

CEMENT JOB REPORT

BAKER HUGHES

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)
NA

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
NA

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
NA

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 4584 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
12:00	0	0	0	0	NA	Arrive location
12:05	0	0	0	0	NA	Lab called said Tail Slurry failed lab test/ Rig up safety meeting
12:20	0	0	0	0	NA	Field Sup. Jeff Anderson recalled Bulk trucks to be reloaded with new cement
17:00	0	0	0	0	NA	Arrive location with new bulk trucks
17:10	0	0	0	0	NA	Pre job safety meeting
17:45	1153	0	0	0	H20	Low pressure test
17:46	4584	0	0	0	H20	High pressure test
17:47	410	0	7.2	20	H20	Claycare
17:51	455	0	7.2	20	H20	Mud Clean II
17:56	465	0	7.2	20	H20	Claycare
18:00	183	0	7.3	130	CMT	Batch up, weigh and pump 270 sx. 11.0 ppg Cement
18:20	220	0	5	68	CMT	Batch up weigh and pump 295 sx. 14.6 ppg Cement
18:40	0	0	0	0	NA	Drop plug/ wash up
18:46	301	0	6	70	H20	Claycare displacement/ caught cement @ 65 away
18:58	653	0	6	10	H20	Rate and pressure check
19:00	907	0	6	10	H20	Rate and pressure check
19:01	1035	0	4.8	10	H20	Rate change
19:03	1101	0	3.6	5	H20	Rate change
19:04	1283	0	2.4	4	H20	Rate change
19:07	1301	0	2.4	109	H20	Bump plug
19:10	2665	0	0	0	NA	Plug down/ Check floats
19:15	0	0	0	0	NA	Rig down 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:
[Y] N	1301	[Y] N	0	367	0	Y [N]	

FIELD RECEIPT NO. 1001955466

BAKER HUGHES

CUSTOMER	CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER	INVOICE NUMBER
GREAT WESTERN OIL & GAS			20013943 - 00229266	

MAIL INVOICE TO :	STREET OR BOX NUMBER	CITY	STATE	ZIP CODE
	2005 HOWARD SMITH AVE EAST	Windsor	Colorado	80550

DATE WORK COMPLETED	MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO:	WELL TYPE :
	12	23	2012	CHRISTOPHER M MCKEON	05123361430000	New Well

DISTRICT	JOB DEPTH (ft)	WELL CLASS :
BJS, BRIGHTON	7,053	Gas

WELL NAME AND NUMBER	TD WELL DEPTH (ft)	GAS USED ON JOB :
PETERSON CX GH #30-27D	7,091	No Gas

WELL LOCATION :	LEGAL DESCRIPTION	COUNTY/PARISH	STATE	JOB TYPE CODE :
	30-5N-63W	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				
100112	Calcium Chloride	lbs	250				
100120	Bentonite	lbs	940				
100121	Silica Flour	lbs	4956				
100275	Sodium Metasilicate	lbs	166				
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	74				
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.	DAY	YEAR	TIME
	12	23	2012	12:04

CUSTOMER REP.
Shawn Armstrong

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

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

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

CUSTOMER AUTHORIZED AGENT
X

BHI APPROVED
X

FIELD RECEIPT NO. **1001955466**

BAKER HUGHES

CUSTOMER	CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER	INVOICE NUMBER
GREAT WESTERN OIL & GAS			20013943 - 00229266	

MAIL INVOICE TO :	STREET OR BOX NUMBER	CITY	STATE	ZIP CODE
	2005 HOWARD SMITH AVE EAST	Windsor	Colorado	80550

DATE WORK COMPLETED	MO.	DAY	YEAR	BHI REPRESENTATIVE	WELL API NO:	WELL TYPE :
	12	23	2012	CHRISTOPHER M MCKEON	05123361430000	New Well

DISTRICT	JOB DEPTH (ft)	WELL CLASS :
BJS, BRIGHTON	7,053	Gas

WELL NAME AND NUMBER	TD WELL DEPTH (ft)	GAS USED ON JOB :
PETERSON CX GH #30-27D	7,091	No Gas

WELL LOCATION :	LEGAL DESCRIPTION	COUNTY/PARISH	STATE	JOB TYPE CODE :
	30-5N-63W	Weld	Colorado	Long String

PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
A152	Personnel Per Diem Chrg - Cement Svc	ea	1				
M100	Bulk Materials Blending Charge	cu ft	735				
	SUB-TOTAL FOR Service Charges						
F067A	Cement Pumping, 7001 - 8000 ft	6hrs	1				
F090	Fuel per pump charge - cement	pump/hr	4				
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-mi	1259				
	SUB-TOTAL FOR Freight/Delivery Charges						
	FIELD ESTIMATE						

ARRIVE LOCATION :	MO.	DAY	YEAR	TIME
	12	23	2012	12:04

CUSTOMER REP.
Shawn Armstrong

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

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

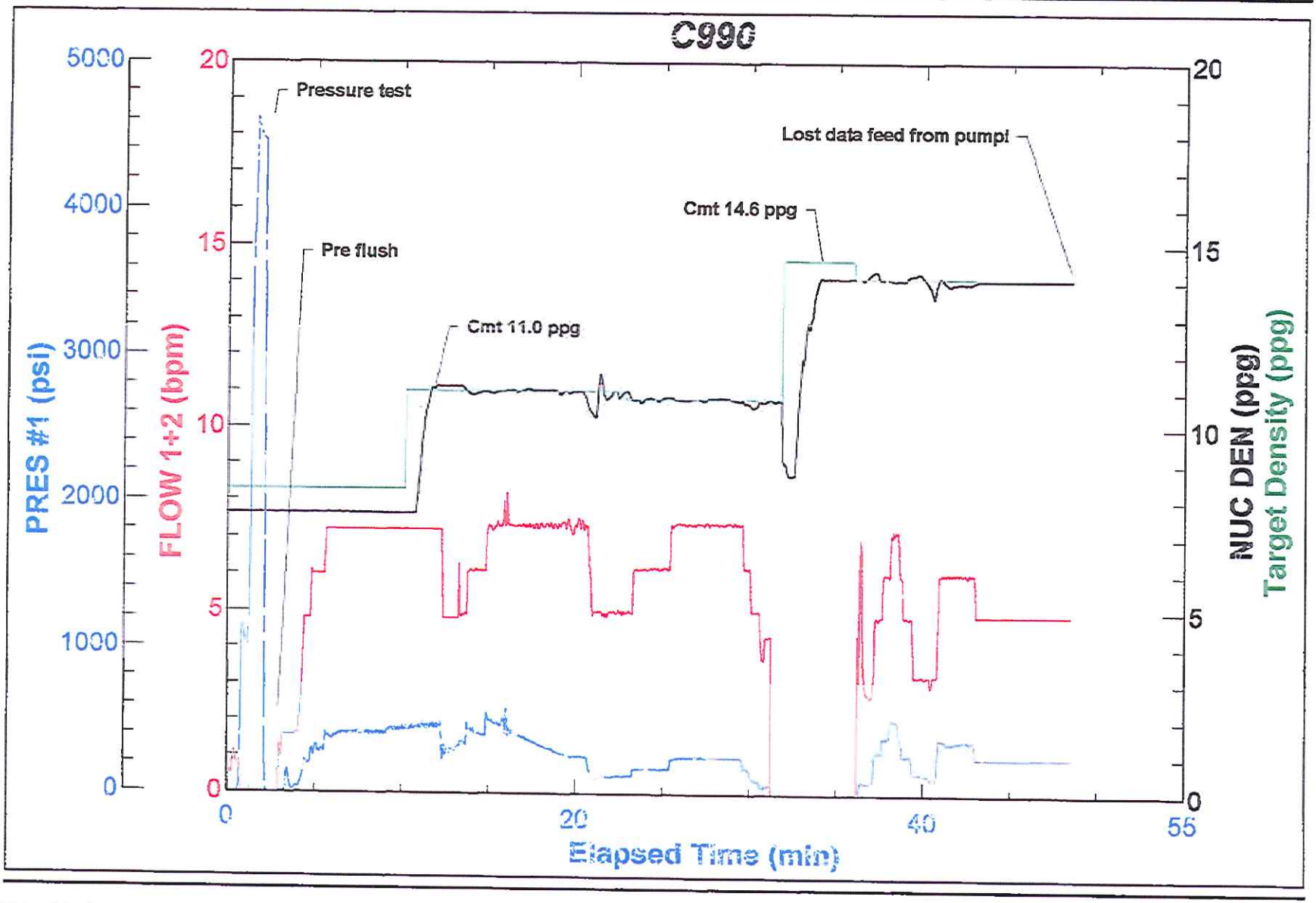
SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.

CUSTOMER AUTHORIZED AGENT
X

BHI APPROVED
X

Baker Hughes JobMaster Program Version 3.60

Job Number: 1001955466
Customer: Great Western
Well Name: Peterson CX GH 30-27D



Job Start: Sunday, December 23, 2012

Load Sheet

BAKER HUGHES

DISTRICT Brighton
WELL NAME PETERSON CX GH #30-27D
DISPATCH SHEET NO.
CUSTOMER GREAT WESTERN OIL & GAS
JOB DATE DEC-23-2012
BRANCH BULK PLANT BJS, BRIGHTON
FIELD RECEIPT NO. 1001955466
FIELD RECEIPT DATE DEC-23-2012

PRODUCT DESCRIPTION	ITEM NO.	UOM	QUANTITY ORDERED	QUANTITY LOADED/ BLENDED	QUANTITY RETURNED	NET USAGE	VERIFIED TO FIELD RECEIPT
Class G Cement	100021	sacks	97	148	0	148	
Calcium Chloride	100112	lbs	250	250	0	250	
Bentonite	100120	lbs	888	940	0	940	
Silica Flour	100121	lbs	3,260	4,956	0	4,956	
Sodium Metasilicate	100275	lbs	151	166	0	166	
Poz (Fly Ash)	100317	sacks	97	148	0	148	
Sodium Chloride	100404	lbs	150	150	0	150	
Mud Clean II	398108	gals	840	840	0	840	
Premium Lite Cement	398224	sacks	255	270	0	270	
CD-32	488013	lbs	49	74	0	74	
FL-52	488015	lbs	66	99	0	99	
FP-6L	488019	gals	5	5	0	5	
CSE-2	488353	lbs	2,040	2,160	0	2,160	
ClayCare, Clay Treat-2C, 260 gl tote	499702	gals	8	8	0	8	

COMMENTS:

ISSUED BY RICKY D SPILLERS DATE DEC-23-2012
RECEIVED TO LOCATION CHRISTOPHER M MCKEON DATE DEC-23-2012
SERVICE SUPERVISOR
RETURNS VERIFIED BY DATE
APPROVAL Steve Devers
OPERATIONS SUPERVISOR
CUSTOMER SIGNATURE

PIONEER **Every Project Is Personal**

Pioneer Wireline Services, LLC

Phone: 303.659.6581
Fax: 303.659.1789

Service Order No. 2- 013234

Date: 12-23-12

Client Info	Company: GRAND MESA OIL AND GAS LLC			AFE #	
	Billing Address		City	ST	Zip
Well Info	Lease & Well #: PEERLAN CX GH 3 ETD		Field Name: WATTENBERG		
	Legal Description: BHL 1884'FNL 2260'FEL SUNE BHL 1174'FNL 1330'FEL NWNE SEC.30 5N 63W				
	Nearest Town: KERSEY	County / Parish: WELD	ST: CO	Rig: 675	Permit #
	Price Zone	API #: 05 123 36143 0000			
Crew	Engineer: SS	Crew Members: DS		Unit #: 52	Miles: 102

THE UNDERSIGNED HEREBY CERTIFIES THAT HE HAS FULL AUTHORITY TO ENTER INTO THIS CONTRACT ON BEHALF OF THE CLIENT AND AGREES TO THE TERMS AND CONDITIONS SET FORTH ON THE REVERSE SIDE HEREOF.

Client Approval

Name Printed Signature

Product Code	Run #	Description	Q-ty	Unit Price	Depth From	Depth To	$ Amount
		GAMMA RAY / NEUTRON / DENSITY /					5800
		INDUCTION / CALIPER					
		DIRECTIONAL WELL (MAX INCLINATION)	28°	20%			1160

	Total Time	Oper. Time	Free Stand By	Charge Time
		4.25	0.5	–
Equipment				
Crew				

SUBTOTAL	
DISCOUNT	
NET SUBTOTAL	
TAX	
NET TOTAL	6960

Client Approval

Name Printed Signature

Pioneer Representative

SHAWN SCHWARZ

Name Printed Signature

PIONEER OFFICE USE ONLY – Approval

Name Printed Signature