



# BISON

Bison Oil Well Cementing Inc.  
 Suite 102  
 Denver, CO 80202  
 303-296-3010

## Invoice

Date	Invoice #
12/14/2012	11668

Bill To
Noble Energy Inc. Attn: Accounting 1625 Broadway Ste 2000 Denver, CO 80202

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Karlman PC GL20-6844N	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Pick-Up Truck Mileage charge	140			
Discount 15%	Discount 15%				
MILEAGE	Bulk Tractor Mileage charge	140			
Discount 15%	Discount 15%				
MILEAGE	Pump Truck Mileage charge	140			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
HOURS	Wait Time	3			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	100	Sack		
Discount 15%	Discount 15%				
BFN III Winter ...	BFN III Blend	389	Sack		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	oz		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
	Subtotal of Materials				

Please Remit Payment To:

Bison Oil Well Cementing, Inc.  
 P.O. Box 29671  
 Thornton, CO 80229

Subtotal

Sales Tax (2.9%)

Total

Balance Due

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 11668

LOCATION UCL 130 - 95

FOREMAN M. A. Rosale

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-14-12	Kauffman #2-6L 20-691A	10	11W	60N		

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	HRS 326
STATE ZIP CODE		DISTANCE TO LOCATION	70 mile
TIME ARRIVED ON LOCATION	2:30 PM	TIME LEFT LOCATION	10:30 PM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH	12'93	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
P3+D 12'39.26		TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE	9518	TUBING CONDITION		TUBING	
CASING DEPTH	1283.57	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE	
CASING WEIGHT	36 1/2	PACKER DEPTH	[ ] SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION	Good		[ ] PRODUCTION CASING	INITIAL BPM	
			[ ] SOOZE CEMENT	FINAL BPM	
			[ ] ACID BREAKDOWN	MINIMUM BPM	
			[ ] ACID STIMULATION	MAXIMUM BPM	
			[ ] ACID SPOTTING	AVERAGE BPM	
			[ ] MISC PUMP		
			[ ] OTHER	HYD HHP = RATE X PRESSURE X 40.8	

PRESSURE SUMMARY		
BREAKDOWN or CIRCULATING	psi	AVERAGE
FINAL DISPLACEMENT	psi	ISIP
ANNULUS	psi	5 MIN SIP
MAXIMUM	psi	15 MIN SIP
MINIMUM	psi	

INSTRUCTIONS PRIOR TO JOB: Rig up Salthymech. PSE TEST 1000 Circ 500000 H2O LAST 10 Dye, mix + Pump  
A Lead of 425 sks of TA 111 BAW 3% BCL-A-2500 BCL-A-1 at 30% EXCESS at 13.1185 gpd 1.69  
Talon Pump Tail at 100 sks of TA 111 BAW 3% BCL-A-2500 BCL-A-1 at 15.2185 gpd 1.27 wt 8.81  
Release Plug Displace 95.7 BBLs H2O Pump plus 150 PSE over wait 10 min Release PSE over wait  
ARRIVE 6000 sks Cement 10 gph KCL 1600 Dg 100 Pound Sugar

JOB SUMMARY		DESCRIPTION OF JOB EVENTS	
Rig up	Salthymech	Circ	mix + Pump
6:30 PM	5:36 PM	2500 PM	8:00 PM
		8:32	8:37 PM
			8:40 PM
			8:42 PM
			8:44 PM
			8:46 PM
			8:48 PM
			8:50 PM
			8:52 PM
			8:54 PM
			8:56 PM
			8:58 PM
			8:59 PM

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.