



# BISON

Bison Oil Well Cementing Inc.  
 1547 Gaylord Street  
 Denver, CO 80206  
 303-296-3010

## Invoice

Date	Invoice #
3/22/2013	11860

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Sauer T33-771IN	Net 30	Surface Pump		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Mileage charge	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	321	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal	\$7,171.04
Sales Tax (2.9%)	\$204.62
Total	\$7,375.66
Balance Due	\$7,375.66

# BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street  
Denver, Colorado 80206  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net



INVOICE #  
LOCATION  
FOREMAN

3 11860  
59 + 62  
Mike Reale

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
3-22-13	SAUER F33-77 NL	33	5	65W	Weld
BILL TO	Noble	CONSULTANT			
OWNER	Noble	RIG NAME & NUMBER			
		H&B Engin- 121			
MAILING ADDRESS		DISTANCE TO LOCATION	UNITS ON LOCATION		
			4012, 4023, 111		
CITY		TIME REQUESTED	TIME ARRIVED ON LOCATION		
		900 AM	915 AM		
STATE, ZIP		TIME LEFT LOCATION			
		230 PM			
WELL DATA		Cement Makeup			
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
6 1/4 13 3/4			BFN III 3% BECA-1 BECA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
626				152	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.7842	.5259	.0773
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
613.89			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> MISC Pump <input type="checkbox"/> Production <input type="checkbox"/> P&A <input type="checkbox"/> Squeeze		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
36 #					
CASING CONDITION	Good		% Excess		
			11%		
Max Rate	4.8		BBL to Pit		
Max Pressure	400		14		

## DESCRIPTION OF JOB EVENTS

Safety meeting Rig up ISA 40 BBL H<sub>2</sub>O 2nd 10 BBL mix + Pump 375 SKL Cement  
at 15:30 - Yield 1.27, or until Component stopper in Release plug Displace 44.3 BBL  
pump Plug 150 over 1.5 hrs wash up Rig. 15 min late to Rig, waited on plug 10  
AFTER 600 SKL Pump 10 gals KCL 1606 BBL 50185 m  
Left 279 SKL 6 gals KCL @ Dye 50185 SKL

X Michael Meyer  
Authorization To Proceed

Title

X 3-22-13  
Date

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.