



# BISON

## Invoice

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

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 F33-771IN	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				

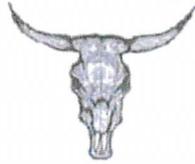
Please Remit Payment To:

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

Subtotal	\$7,171.04
Sales Tax (2.9%)	\$209.62
<b>Total</b>	<b>\$7,380.66</b>
Balance Due	\$7,380.66

# 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 Pezale

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
3-22-13	Saver F33-77 Nc	33	5	65W	Weld
BILL TO	Noble	CONSULTANT			
OWNER	Noble	RIG NAME & NUMBER			
		HEB Engin - 121			
MAILING ADDRESS		DISTANCE TO LOCATION	UNITS ON LOCTION		
			4017, 4023, 111		
CITY		TIME REQUESTED	TIME ARRIVED ON LOCATION		
		9:00 AM	9:15 AM		
STATE, ZIP		TIME LEFT LOCATION			
		2:30 PM			
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
6 5/8 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	13134
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
613.89			<input checked="" type="checkbox"/> Surface Pipe	<input type="checkbox"/> Production	<input type="checkbox"/> Squeeze
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> MISC Pump	<input type="checkbox"/> P&A	
36 #			HYD HHP = RATE X PRESSURE / 40.8		
CASING CONDITION	Good		% Excess	11%	
Max Rate	4.8		BBL to Pit	14	
Max Pressure	400				

## DESCRIPTION OF JOB EVENTS

Saturday Rigup ISA 40 BBL H<sub>2</sub>O 2nd 10 Day mix + Pump 375 SK Cement  
 at 15:30 - Yield 1.27, or until Component stops in Release plug Displace 44.3 BBL  
 max Pump Plus 150 over 1.5k wash up Rig. 15 min late to Rig, waited on plug 10  
 Arrow 600 SKs Pump 10 gals KCL 1606 Day 50 BBS mix  
 Left 279 SKs 6 gals KCL @ Day 50 BBS mix

X Michael Meyer  
 Authorization To Proceed

Title

X 3-22-13  
 Date