



# BISON

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

## Invoice

Date	Invoice #
5/16/2013	11922

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Sauer F33-77-111NX	Net 30	Surface Pipe		
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%				
Service Charge	Wait Time	2.5			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	430	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	\$9,129.50
Sales Tax (12.0%)	\$1,095.54
Total	\$10,225.04
Balance	\$10,225.04

# 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

11922  
WKR50+41  
Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-16-13	SAUER F 33-77-1 HNX	33	5N	65W	Weld
BILL TO	CONSULTANT				
Noble	Mike M.				
OWNER	RIG NAME & NUMBER				
Noble	Ensign Rig 121				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	7 miles		3106/3205		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	9:00 AM		8:30 AM		
STATE, ZIP	TIME LEFT LOCATION				
	3:30 PM				

WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFNJI 3% BCCA-1.25166K BFLA-1	
13 3/4			Cement - Specs	lbs	Yield
				15.2	1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
602			.5259	.0773	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	<b>TYPE OF TREATMENT</b> <input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A		
9 5/8					
CASING DEPTH	TUBING CONDITION	TREATMENT VIA			
596.53					
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8  % Excess <span style="border: 1px solid black; padding: 2px;">59</span> BBL to Pit <span style="border: 1px solid black; padding: 2px;">12</span>		
3616					
CASING CONDITION	<span style="border: 1px solid black; padding: 2px;">Good</span>				
Max Rate	<span style="border: 1px solid black; padding: 2px;">7</span>				
Max Pressure	<span style="border: 1px solid black; padding: 2px;">2500</span>				

## DESCRIPTION OF JOB EVENTS

MIRA, Safety meeting, Psi Test to 500 Psi, Circ 40 bbls H<sub>2</sub>O with KCL + Pink Dye x 16 in 2<sup>nd</sup> 10 bbls, Mix + pump Tell good dye is seen at 15.2 lbs 1.27 yield, Drop plug, Displace 43 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. Then bleed off Psi, Wash up, Rig down,

X Michael Meyer  
Authorization To Proceed

Title

X 5-16-13  
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.