



# BISON

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

## Invoice

Date	Invoice #
6/27/2013	11969

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Trebor BII-66-IHN	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%				
HOURS	Job Time	3			
Service Charge	Casing Test	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	393	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	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	
Sales Tax (2.9%)	
Total	
Balance Due	

# 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

11969  
58 1/2 - 57 1/2  
LICK

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
6-27-13	Frederick BBL-66-111A	11	5N	64W	Weld
BILL TO	CONSULTANT				
	Steve R				
OWNER	RIG NAME & NUMBER				
	H&P 315				
MAILING ADDRESS	DISTANCE TO LOCATION			UNITS ON LOCATION	
				3103 - 3240	
CITY	TIME REQUESTED			TIME ARRIVED ON LOCATION	
	11:30pm			10:30pm	
STATE; ZIP	TIME LEFT LOCATION				
	6:30				

## WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
665		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
660		
CASING WEIGHT	PACKER DEPTH	
3615		
CASING CONDITION	Good	
Max Rate		
Max Pressure		

## Cement Makeup

Cement Blend	BFV 3% BFLA-1 125 lbs per sk BFLA-1		
Cement - Specs	lbs	Yield	Water Requirements
	15.2	1.27	5.89
Annulus Factor	Capacity Factor		
15258	1073		

## TYPE OF TREATMENT

<input checked="" type="checkbox"/> Surface Pipe	<input type="checkbox"/> Production	<input type="checkbox"/> Squeeze
<input type="checkbox"/> MISC Pump	<input type="checkbox"/> P&A	

HYD HHP = RATE X PRESSURE / 40.8

% Excess

2540

BBL to Pit

17 BBLS

## DESCRIPTION OF JOB EVENTS

Settling, Rig up, PSI test, Per company spec 50 BBLS KEL H2O, 2nd 104 Dye, mix Pump 406  
5X's cement at 30% Excess at 15.2 lbs at 1.27 yield or until stopped by company, Release Plug  
Disp 47.7 BBLS H2O, Bump Plug At 150 PSI over 1.5 PSI wait 5min Release PSI  
wash up Rig Down

*Steve R*  
Authorization To Proceed

NET M.S.S.  
Title

x 6-27-13  
Date

Customers hereby acknowledge and specifically agree 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.