



# BISON

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

## Invoice

Date	Invoice #
4/24/2013	11876

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Saver F33-78-1 HN	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	Wait Time	4.5			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	343	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				

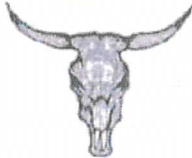
Please Remit Payment To:

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

Subtotal	55,416.75
Sales Tax (2.9%)	1,607.09
Total	57,023.84
Balance Due	57,023.84

# 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 #

11876

LOCATION

WKR

FOREMAN

Mike Rosner

## TREATMENT REPORT

DATE <b>4-24-13</b>	WELL NAME	SECTION	TWP	RGE	COUNTY
	<b>Saver F33-78-1 HW</b>	<b>33</b>	<b>5</b>	<b>65</b>	<b>Weld</b>
BILL TO <b>Noble</b>	CONSULTANT				
	<b>Chester</b>				
OWNER <b>Noble</b>	RIG NAME & NUMBER				
	<b>Ensign 121</b>				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	<b>6 miles</b>		<b>4002-4024-111</b>		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	<b>1100</b>		<b>1200</b>		
STATE, ZIP	TIME LEFT LOCATION				
	<b>830</b>				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
<b>13 3/4</b>			<b>BFW 3% BCLP 1.25 lbs/sk BFW 1</b>		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
<b>618</b>			<b>15-2</b>	<b>1.27</b>	<b>5.89</b>
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
<b>9 5/8</b>			<b>.7842</b>	<b>.5259</b>	<b>.4343</b>
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
<b>609</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		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
<b>36</b>					
CASING CONDITION	<b>Good</b>				
Max Rate	<b>4.9</b>				
Max Pressure	<b>1000</b>				
	% Excess <b>18%</b>				
	BBL to Pit <b>13</b>				

## DESCRIPTION OF JOB EVENTS

Sally meeting, Rig up, JSA-PSI TEST / 1000 spacer 40 BBLs 2nd 10 Dye mix + Pump 40 376 sks Cement (30% Excess) at 15-2 lbs and yield 1.27 or until Compaction stops us. Release Plug Displace 13 1/2 BBLs then Bump Plug 150 PSI over 1st unit couple min Release PSI PSI to 1000, PSI for 15 min. Didn't Do PSI TEST casing collar leaking on Rig side

X Robert Nichols  
Authorization To Proceed

WSS  
Title

X 4-24-13  
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.