



# BISON

Bison Oil Well Cementing Inc.  
 Suite 102  
 Denver, CO 80202  
 303-296-3010

## Invoice

Date	Invoice #
2/20/2013	11675

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	<del>Knaub-PC-G04.66-HW-</del> <sup>64-1 HN</sup>	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%				
HOURS	Wait Time	3.5			
Type III Cement	Type III Cement	364			
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%				

Please Remit Payment To:

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

Subtotal	\$6,770.33
Sales Tax (2.9%)	\$1,944.40
Total	\$8,714.73
Balance Due	\$8,714.73

# 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

11675  
41-60  
Mike Puskas

## TREATMENT REPORT

DATE 2-20-13 WELL NAME PC-604-64-14N SECTION 4 TWP 4 RGE 65W COUNTY Weld

BILL TO Noble CONSULTANT Jim Turner

OWNER Noble RIG NAME & NUMBER HIP 321

MAILING ADDRESS DISTANCE TO LOCATION 5m.l. UNITS ON LOCTION 3101+3203

CITY TIME REQUESTED 9:00 AM TIME ARRIVED ON LOCATION

STATE, ZIP TIME LEFT LOCATION 5:00 PM

### WELL DATA

HOLE SIZE TUBING SIZE PERFORATIONS

13 3/4

TOTAL DEPTH TUBING DEPTH SHOTS/FT

642

CASING SIZE TUBING WEIGHT OPEN HOLE

9 5/8

CASING DEPTH TUBING CONDITION TREATMENT VIA

607

CASING WEIGHT PACKER DEPTH

364

CASING CONDITION Good

Max Rate

Max Pressure 1750

### Cement Makeup

Cement Blend BEN 177 340 BCL-1 - 6081 BFL-1

Cement - Specs lbs Yield Water Requirements

15.2 1.27 5.89

Annulus Factor

Capacity Factor

.7842, .5259, .484 1.6773

### TYPE OF TREATMENT

☒ Surface Pipe ☐ Production ☐ Squeeze  
☐ MISC Pump ☐ P&A

HYD HHP = RATE X PRESSURE / 40.8

% Excess

BBL to Pit

20%  
12

### DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PSI TEST 500, Ran 40 BBL H<sub>2</sub>O spacer, 2nd 10 Dye + KCL mix, mix + Pump 392 sks at BEN 177 340 BCL-1 (30% Excess) at 15.2 lbs, 1.27 yield or until Company men stop us, Release Plug Displace 45.2 BBLs of H<sub>2</sub>O, Bump Plug 150 PSI over 1hr, wait 5 min Release PSI, Wash up Rig Down

Authorization To Proceed

Title

2-20-13  
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.