



# BISON

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

## Invoice

Date	Invoice #
7/27/2013	12388

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rhone State LD04-68-11N	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	420			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
HOURS	Wait Time	5.5			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	421	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	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**

**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

12388  
117 & 110  
Kirk

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
7-27-13	Phone State LD04-68 HAN	58 4	9 N	58 W	weld
BILL TO	CONSULTANT				
Noble	shane				
OWNER	RIG NAME & NUMBER				
	H+P 326				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3203		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	530pm		515pm		
STATE, ZIP	TIME LEFT LOCATION				
	345am				

### WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
12 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
664		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
654		
CASING WEIGHT	PACKER DEPTH	
36		
CASING CONDITION	6001	
Max Rate		
Max Pressure		

### Cement Makeup

Cement Blend	BFN II 3% DCC-1.2516 BFLA-1		
Cement - Specs	lbs	Yield	Water Requirements
	15.2	1.27	5.89
Annulus Factor	Capacity Factor		
.6258	.0773		

### 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  
BBL to Pit

41
20

### DESCRIPTION OF JOB EVENTS

move In Rig up Pressure test Per company man run 40 bbls ahead with dye in 10  
at 30% excess 1.27 yield 15.2 lb drop plug + Displace 47 bbls H2O  
Bump plug at 150 psi above 1-ft Press Release Pressure  
Rig down clean up

X   
Authorization To Proceed

Title

WSS

X 7-27-13  
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.