



# BISON

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

## Invoice

Date	Invoice #
2/22/2013	11676

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Wells Randstate AA-16-63-	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	1			
Type III Cement	Type III Cement	385			
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	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

<b>Subtotal</b>	58,145.89
<b>Sales Tax (2.0%)</b>	1,162.92
<b>Total</b>	59,308.81
<b>Balance Due</b>	59,308.81

# BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street  
 Denver, Colorado 80206  
 Phone: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: blsonoil1@qwestoffice.net



INVOICE #  
 LOCATION  
 FOREMAN

11676  
 Wells Ranch  
 Mike Rosalez

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
2-22-13	Wells Ranch Sp12, AA-16-63 1/4	14	E	63W	Weld
BILL TO	CONSULTANT				
Noble	Shane, Johnny				
OWNER	RIG NAME & NUMBER				
Noble	HHP 343				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	30 m.l.		BFW III 3% BOC-A-1 25105SL		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	11:00 PM		6:00 PM		
STATE, ZIP	TIME LEFT LOCATION				
	11:30 PM				

WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFW-III 3% BOC-A-1 25105SL	
13 3/4			Cement - Specs	lbs	Yield
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		15.2	1.27
480			Annulus Factor	Capacity Factor	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	7842	5259	434
9 5/8			Capacity Factor		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	10728		
696			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		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
36"			% Excess    22% BBL to Pit    13		
CASING CONDITION	Good				
Max Rate					
Max Pressure					

### DESCRIPTION OF JOB EVENTS

Start by rig up, set 100' spacer 50 13 1/8" H<sub>2</sub>O KCL mix, 2nd 10" Dye, mix + pump 409 shots (30% excess) or until 1" diameter sizes good dye and stop us at 15.2 1.27 yield with BFW III 3% BOC-A-1 25105SL. Drop pig. Displace 48 Bbls H<sub>2</sub>O Bump plug 150 PSI over H<sub>2</sub>O, wait 5 min. Release PSI wash up rig down

Arrived with 600 bbl cement 10 gal KCL, 100 lbs Sugar  
 Left with 215 shot 5 gal KCL 100 lbs Sugar + Pig

X \_\_\_\_\_  
 Authorization To Proceed

\_\_\_\_\_  
 Title

X 2-22-13  
 Date

Customer 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.