



# BISON

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

## Invoice

Date	Invoice #
10/27/2013	12500

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rohn <del>Rhon State LD09-66-111N</del>	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	450			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	514	Sack		
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%				
	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 # 12500  
LOCATION CE127CA110  
FOREMAN Randy Lynch

## TREATMENT REPORT

DATE 10-27-13	WELL NAME	SECTION	TWP	RGE	COUNTY
	Rohn State LD08-66-1HN	9	9N	58W	Weld
BILL TO	CONSULTANT				
	Noble				
OWNER	RIG NAME & NUMBER				
	H2P 273				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	75		3103/2203		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	11:00 AM		11:35 AM		
STATE, ZIP	TIME LEFT LOCATION				
	3:30 PM				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFND 3% BCCA-1 .25 lb/sk DFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
1243			13.1 / 15.2	1.69 / 1.27	8.64 / 5.89
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5259	.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
1209			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> MISC Pump <input type="checkbox"/> Production <input type="checkbox"/> P&A <input type="checkbox"/> Squeeze		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
			% Excess 25% BBL to Pit 19		
CASING CONDITION	Good				
Max Rate	7				
Max Pressure	2000				

## DESCRIPTION OF JOB EVENTS

Micro, Safety meeting Pressure test to 1000 psi circ. 50 bbls H<sub>2</sub>O with KCl and Dye in 2nd 10 bbls mix + pump Lead @ 13.1 #/gal with yield 1.69 then pump Tail @ 15.2 #/gal with yield 1.27 total of 513 sks cement Drop plug, Displace 93 bbls H<sub>2</sub>O, Bump plug 150 psi over lift pressure Hold for 5 min. bleed off, wash up, Rig Down

X   
 Authorization To Proceed

Rig Supervisor   
 Title

X 10-27-13   
 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