



# BISON

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

## Invoice

Date	Invoice #
10/12/2013	12489

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rohn State 1 D09-67-111N	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	480			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
HOURS	Wait Time	2			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	527	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 (2.9%)	
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

12489

CU12710410

Randy Lynch

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
10-12-13	ROBIN SKATE LDBA-67-1HN	4	9N	58W	Weld
BILL TO	CONSULTANT				
Noble	DAVE N.				
OWNER	RIG NAME & NUMBER				
Noble	H+P 273				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	80		3106/3203		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	3:00		2:00		
STATE, ZIP	TIME LEFT LOCATION				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFN III 3% BCLWA-1.25 lb/sk BFAA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
1260			13.1	15.2	1.69
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5259	.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
1255.95			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> MISC Pump <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> P&A		
CASING WEIGHT	PACKER DEPTH				
CASING CONDITION	HYD HHP = RATE X PRESSURE / 40.8				
Good					
Max Rate	% Excess				
4	25				
Max Pressure	BBL to Pit				
2500					

## DESCRIPTION OF JOB EVENTS

MIRU, Safety, Pressure test 500 psi, Circ 40 bbls with Dye in 2nd 101  
Mix pump Lead @ 13.1 #/gal. with yield 1.69 427 bbls, 128.28 bbls  
of Slurry, Pump Tail @ 15.2 #/gal. with yield 1.27 100 sks 22.62 bbls  
of Slurry Drop Plug, Displace with H<sub>2</sub>O 93.7 bbls, Bump Plug  
@ 150 psi over 1 lift psi hold for 5 min. Bleed off  
427/100 = 527 Total

X Authorization To Proceed

Title

X 10-12-13 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.