



BISON

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

Invoice

Date	Invoice #
8/3/2013	11842

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Wolf Pack BC2-63-HIN 62	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	380			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	Iron Inspection	1			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	431	Sack		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
Sugar	Sugar	100	lb		
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal	10,762.03
Sales Tax (2.9%)	314.14
Total	11,076.17
Balance Due	11,076.17

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

11842
Cr6012+57
Brad Kosinski

TREATMENT REPORT

DATE Aug 3 2013	WELL NAME WolfPack BC 2 63-1HN	SECTION	TWP	RGE	COUNTY
BILL TO Noble Energy	CONSULTANT J.W.				
OWNER	RIG NAME & NUMBER Persion Drilling 829				
MAILING ADDRESS	DISTANCE TO LOCATION 22		UNITS ON LOCATION 4022/3104/3105/111		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION 4:00		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA

HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 623	TUBING DEPTH	SHOTS/FT
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE
CASING DEPTH 613	TUBING CONDITION	TREATMENT VIA
CASING WEIGHT 36	PACKER DEPTH	
CASING CONDITION Good		
Max Rate 5		
Max Pressure 1750		

Cement Makeup

Cement Blend BEN III 3% cca 1/4" celest/akce			
Cement - Specs	lbs 15.2	Yield 1.27	Water Requirements 5.89
Annulus Factor .5258	Capacity Factor .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 30
BBL to Pit

DESCRIPTION OF JOB EVENTS

MTRU Safety meeting Break Circulation pump 10 Fresh, 10 dye, 35 Fresh, MHP 75 sks, 60.76 bbls of mix, 104.38 bbls of slurry Drop plug dis 45.73 bbls of H₂O then Pressure test casing to 1000 psi, 43 sks.
25 bbls to the P. if

X **[Signature]**
Authorization To Proceed

W.S.S.
Title

X **Aug 3 2013**
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.