



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 BC245-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	19,767.03
Sales Tax (2.9%)	573.24
Total	20,340.27
Balance Due	20,340.27

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

WELL DATA

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

Cement Makeup

Cement Blend	BEN III 3% cca - 14% celecol / akse		
Cement - Specs	lbs	Yield	Water Requirements
	15.2	1.27	5.89
Annulus Factor	Capacity Factor		
.5258	.0773		

TYPE OF TREATMENT

Surface Pipe Production Squeeze
 MISC Pump P&A

HYD HHP = RATE X PRESSURE / 40.8

% Excess

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. #

X
 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.