



BISON

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

Invoice

Date	Invoice #
6/30/2013	11819

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 BO2-64-1HN	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%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	286	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	3	qt		
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

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

11819

Cr60 1/2 + 57

Brack

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
June 30	WolfPack B02-64-1H	2	5N	64W	Weld
BILL TO	CONSULTANT				
Noble Energy					
OWNER	RIG NAME & NUMBER				
	Persian Drilling #829				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	20 miles		4022/3164/4024/1162		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	2:45am		1:30am		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
621.88		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
601.28		
CASING WEIGHT	PACKER DEPTH	
36		
CASING CONDITION	Good	
Max Rate	5	
Max Pressure	1750	

Cement Makeup

Cement Blend	BFN 3% oca 1/4 sk colloidal		
Cement - Specs	lbs	Yield	Water Requirements
	15.2	1.27	5.89
Annulus Factor	Capacity Factor		
.5258	.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

BBL to Pit

15%

15

DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting PSI test line to 1000psi 10 fresh 10 dye 45 fresh, M&P 286 sks drop plug dis 45 bbls of H₂O pump plug hold for 5 min then do a casing PSI test 1000psi

X Authorization To Proceed

Title

X June 30 2013 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.