



BISON

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

Invoice

Date	Invoice #
9/24/2013	12467

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rhon State LD09-68-111N	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	420			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	515	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	3	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	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 #
LOCATION
FOREMAN

124/67
127-110
Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
9-24-13	Petroleum Dog 66-11A				Weld
BILL TO	CONSULTANT				
WELCO	John D				
OWNER	RIG NAME & NUMBER				
	H&P 326				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3211		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	9:00pm		8:30 pm		
STATE, ZIP	TIME LEFT LOCATION				
	2:00 am				

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
1258		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
1248		
CASING WEIGHT	PACKER DEPTH	
3615		
CASING CONDITION	Good	
Max Rate		
Max Pressure		

Cement Makeup

Cement Blend	BFMT 340 BCL 1.25 H&P 326 BFLA 1		
Cement - Specs	lbs	Yield	Water Requirements
	13.1/15.2	1.69/1.27	8.64/5.89
Annulus Factor	Capacity Factor		
5258	6773		

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

30%
22

DESCRIPTION OF JOB EVENTS

Safe, working, Rigged, PST lost, Perforation clear 30 BBLs KCL H2O 2nd 10w/Dye, mix & Pump 415
SKS Load cement at 13.1 lbs at 1.69 yield, mix & Pump 100 SKS Tail cement at 15.2 lbs at
1.27 yield Disp 93.3 BBLs H2O Pump Plug At 150 PST over Lift PST wait 5min Release
PST wash up Rig down

X
Authorization To Proceed

WSS
Title

X 9-24-13
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.