



BISON

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

Invoice

Date	Invoice #
3/16/2013	11725

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	SLW Ranch B01-63-IHN	Net 30	Surface Pump		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Mileage charge	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
BFN III Winter ...	BFN III Blend	324	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				

Please Remit Payment To:

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

Subtotal	\$1,210.75
Sales Tax (2.5%)	\$30.27
Total	\$1,241.02
Balance Due	\$1,241.02

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

11725
62+61
Calvin Reimers

TREATMENT REPORT

DATE 3-16-13	WELL NAME SLW Ranch B01-63-1HAN	SECTION 1	TWP 5N	RGE 62W	COUNTY Weld
BILL TO Noble	CONSULTANT John D / Chris E				
OWNER Noble	RIG NAME & NUMBER H&P Rig 326				
MAILING ADDRESS	DISTANCE TO LOCATION 23 miles		UNITS ON LOCATION 3106/3211		
CITY	TIME REQUESTED 6:30 pm		TIME ARRIVED ON LOCATION 5:00 pm		
STATE, ZIP	TIME LEFT LOCATION 10:00 pm				

WELL DATA

HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 632	TUBING DEPTH	SHOTS/FT
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE
CASING DEPTH 592.76	TUBING CONDITION	TREATMENT VIA
CASING WEIGHT	PACKER DEPTH	
Casing w/ Landing Joint 626.76		
CASING CONDITION	Good	
Max Rate	6.0	
Max Pressure	2500	

Cement Makeup

Cement Blend	BFN III 3% BCCA-1.25 14/5K BFLA-1		
Cement - Specs	lbs 15.2	Yield 1.27	Water Requirements 5.89
Annulus Factor	.5259		
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	15
BBL to Pit	15

DESCRIPTION OF JOB EVENTS

MIRU, Safety Meeting, Psi to 1000 Psi, Circ 40 bbls H₂O with KCl + Pink Dye x 16 in 2nd 1P6 bbls, Mix + Pump tell good Dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace 45.1 bbls H₂O, Bump plug at 150 Psi, over Lift Psi, Wait 5 min. then bleed off Psi, Wash up Rig down

X

Authorization To Proceed

Title

X 3-16-13
Date

Customers hereby acknowledge 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.