



BISON

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

Invoice

Date	Invoice #
3/25/2013	11733

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 B01-62-111N	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%				
HOURS	Wait Time	2			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	354	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%				
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal	\$5,190.41
Sales Tax (2.9%)	\$150.52
Total	\$5,340.93
Balance	\$5,340.93

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

11733
62+61
Calvin Reimers

TREATMENT REPORT

DATE 3-25-13	WELL NAME SLW Ranch B01 62+11N	SECTION 1	TWP 5N	RGE 62W	COUNTY Weld
BILL TO Noble	CONSULTANT John D. / SETH M.				
OWNER Noble	RIG NAME & NUMBER H&P Rig 326				
MAILING ADDRESS	DISTANCE TO LOCATION 24 miles				
CITY	UNITS ON LOCATION 3106 / 3211				
STATE, ZIP	TIME REQUESTED 7:45 pm				
	TIME ARRIVED ON LOCATION 6:30 pm.				
	TIME LEFT LOCATION 1:45 am				

WELL DATA

HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 641	TUBING DEPTH	SHOTS/FT
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE
CASING DEPTH 634.84	TUBING CONDITION	TREATMENT VIA
CASING WEIGHT 36 lb.	PACKER DEPTH	
CASING CONDITION Good		
Max Rate 6		
Max Pressure 2500		

Cement Makeup

Cement Blend BENTH 3% BCCA-1 .25 Wt. BFLA-1	
Cement - Specs	
Annulus Factor .5259	Capacity Factor .0773
lbs 15.2	Yield 1.27
	Water Requirements 5.89

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 25
BBL to Pit 13

DESCRIPTION OF JOB EVENTS

Misc, Safety meeting, Psi check to 1000 Psi, Circ 40 bbls H₂O with KCL + Pink Dye x 16 in 2nd 10 bbls, Mix pump Tell good Dye is seen at 15.2 lbs 1.27 yield, Drop plug, Displace 45.7 Wt. H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. Then bleed off Psi, Wash up, Rig down

SAIR

WSS

x 3-25-13
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.