



BISON

Bison Oil Well Cementing Inc.
Suite 102
Denver, CO 80202
303-296-3010

Invoice

Date	Invoice #
1/15/2013	11301

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 B01-66-111N	Net 30	Surface		
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%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	383	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	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

Sales Tax (2.5%)

Total

Balance Due

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 11301
LOCATION WCR 62+61
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>1-15-13</u>	WELL NAME <u>SLW Ranch B01-66-1HN</u>	SECTION <u>1</u>	TWP <u>5N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P Rig 315</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>2:15 am.</u>		TIME LEFT LOCATION <u>1:30 pm.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>663</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>616.30</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>629.13</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>3616</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
TPWL <u>658.13</u>			<input type="checkbox"/> SOOZE CEMENT		FINAL BPM
PRESSURE SUMMARY			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> OTHER		
MINIMUM psi					HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Safety Meeting, Rig up, Psi Check to 500 Psi, Mud Flush 50 bbls. H₂O with KCL + Dye 16 in 2nd 10 bbls. Mix + pump tell good Dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace 47.6 bbls. H₂O, Bump plug at 150 Psi over lift Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 7:03am, Mud Flush 11:00am, Cement 11:10am to 11:33am
Drop Plug 11:35am, Displace 11:36am
10 bbls. 300 Psi 11:39am 5.0 bbls/m
20 bbls. 340 Psi 11:41am 5.0 bbls/m
30 bbls. 350 Psi 11:43am 4.5 bbls/m
40 bbls. 330 Psi 11:46am 3.5 bbls/m
47.6 280 Psi 11:50am 1.0 bbls/m
Bump Plug 360 Psi at 11:50am

USED 30% EXCESS = 383.565, 86.62 bbls Slurry

22 bbls Slurry To The Pit

[Signature]

CO-MAN

1-15-13

AUTHORIZATION TO PROCEED

TITLE

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.