



# BISON

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

## Invoice

Date	Invoice #
2/4/2013	11306

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

Location	Well Name & No.	Terms	Job Type		
Weld, Co	Rohn LB 22-624N	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%				
HOURS	Wait Time	2			
Service Charge	Casing PSI Testing	1			
Type III Cement	Type III Cement	337	lb		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	6	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	\$6,434.11
Sales Tax (2.9%)	\$1,885.97
Total	\$8,320.08
Balance Due	\$8,320.08

# 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 # 11306

LOCATION 390 +103

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-4-13	<u>Rehn LB 22-62HN</u>	21	9N	60W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>HAP Rig 322</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:40am</u>	TIME LEFT LOCATION <u>4:45pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>756</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 713.99</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>724.56</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	

<u>TPWL 757.56</u>	PRESSURE SUMMARY		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP	
MINIMUM psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Safety meeting, Rig up, Psi Check to 1000 Psi, Circ 55 bbls H<sub>2</sub>O with KCL + Dye  
x16 in 2nd 10 bbls, Mix + pump till good Dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace  
55.1 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Casing  
Psi Test to 1000 Psi for 15 min, Bleed off Psi, Wash up, Rig down,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 1:49pm, Circ 2:16pm, CEMENT 2:28pm to 2:49pm

Drop Plug 2:52pm, Displace 2:53pm

10 bbls 200 Psi 2:55pm 5.0 bbls/m

20 bbls 240 Psi 2:57pm 5.0 bbls/m

30 bbls 330 Psi 2:59pm 5.0 bbls/m

40 bbls 400 Psi 3:01pm 5.0 bbls/m

50 bbls 370 Psi 3:03pm 4.0 bbls/m

55.1 bbls 280 Psi 3:06pm 1.0 bbls/m

Bump Plug 500 Psi at 3:06pm

Casing Psi Test 1010 Psi at 3:13pm to 990 Psi at 3:30pm

USED 0% EXCESS = 337 SK, 76.22 bbls Slurry

6 bbls Slurry To The Pit

*[Signature]*

WSS

2-4-13

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