



BISON

Bison Oil Well Cementing Inc.
1738 Wynkoop St.
Suite 102
Denver, CO 80202
303-296-3010

Invoice

Date	Invoice #
9/1/2011	10211

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

Location	Well Name & No.	Job Type	Terms	Rig	
Weld, CO	Rhino D27-27D	Surface	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump surface Discount 15%	PUMP Charge-surface pipe Discount 15%	1			
MILEAGE Discount 15%	Mileage charge Discount 15%	360			
Data Acquisitio... Discount 15%	Data Acquisition Charge Discount 15%	1			
	Subtotal of Services				
BFN III Summe... Discount 15%	BFN III Blend Discount 15%	312	Sack		
KCL Mud Flush Discount 15%	(BHS 117) Discount 15%	5	qt		
Dye - 4880 Discount 15%	Dye (Hot Pink 4880) Discount 15%	16	oz		
	Subtotal of Materials				

Please Remit Invoices To:

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

Subtotal

Sales Tax (2.9%)

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 # 10211

LOCATION Gutteresen Ranch

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-1-11	<u>Rhino D 27-27D</u>	27	3N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 121</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>4:30 am</u>	TIME LEFT LOCATION <u>7:15 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>834</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PRTD 783.88</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>828.05</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER	HYD IHP = RATE X PRESSURE X 40.8	

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi		
FINAL DISPLACEMENT psi	ISIP psi		
ANNULUS psi	5 MIN SIP psi		
MAXIMUM psi	15 MIN SIP psi		
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company MAN, CIRC 50 bbls H₂O with KCL + Dye 16 in 2nd 10 bbls, Min. pump tell Dye is seen then Pump tub only at 15.2 lbs 1.27 yield, Don't go over 15% excess with out Talking to Company MAN, Drop Plug, Displace 49.9 bbls H₂O, Pump Plug at 150 Psi over Lift Psi, Wait 5 min, then bleed off Psi, Washup, Rig down, H₂O Tested good, WE HAVE 700 SKS, 32 oz Dye, 10 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 5:13 am, CIRC 5:39 am, CEMENT 5:49 am to 6:18 am

Drop Plug 6:20 am, Displace 6:22 am

10 bbls 150 Psi 6:25 am 5.0 bbls/m

20 bbls 280 Psi 6:27 am 5.0 bbls/m

30 bbls 440 Psi 6:30 am 5.0 bbls/m

40 bbls 520 Psi 6:32 am 5.0 bbls/m

49.9 bbls 340 Psi 6:36 am 1.0 bbls/m

Bump Plug 590 Psi at 6:36 am Float Collar Held

USED 15% Excess = 312 SKS, 70.57 bbls SLURRY

Aug Cement 2.35 bbls/m

Left with 388 SKS, 16 oz Dye, 5 Qts KCL

19 bbls Slurry to the P.T

Mary Steplow

AUTHORIZATION TO PROCEED

TITLE

9-1-11

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