



BISON

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

Invoice

Date	Invoice #
6/20/2011	10163

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

Location	Well Name & No.	Job Type	Terms	Rig	
Weld, CO	Carmin USXCC05-16D	Surface	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1		1,400.00	1,400.00
Discount 15%	Discount 15%			-15.00%	-210.00
MILEAGE	Mileage charge	360		1.50	540.00
Discount 15%	Discount 15%			-15.00%	-81.00
Data Acquisitio...	Data Acquisition Charge	1		225.00	225.00
Discount 15%	Discount 15%			-15.00%	-33.75
HOURS	Wait Time	1		250.00	250.00
	Subtotal of Services				2,090.25
BFN III Summe...	BFN III Blend	243	Sack	18.25	4,434.75T
Discount 15%	Discount 15%			-15.00%	-665.21
KCL Mud Flush	(BHS 117)	4	qt	7.50	30.00T
Discount 15%	Discount 15%			-15.00%	-4.50
Dye - 4880	Dye (Hot Pink 4880)	16	oz	15.00	240.00T
Discount 15%	Discount 15%			-15.00%	-36.00
	Subtotal of Materials				3,999.04
					6,089.29

Please Remit Invoices To:

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

Subtotal	\$6,089.29
Sales Tax (2.9%)	\$115.97
Total	\$6,205.26
Balance Due	\$6,205.26

Nº 10163

[illegible]

Total Weight	Loaded Miles
TAX REFERENCES	

Customer or his Agent

Elson Oil Well Cementing, Inc. Representative

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.

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 # 10163

LOCATION Hwy 34+50

FOREMAN CALVIN REIMIERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-20-11	CARMIN USX CC 05-160	5	4N	63W	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>3:10 pm</u>	TIME LEFT LOCATION <u>9:45 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>667</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 620.89</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>659.75</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<input type="checkbox"/> OTHER	HYD HHP = 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 40 bbls H₂O with KCL + Dye 16 in 2 1/2 10 bbls, Mix + pump tell Dye is seen then pump Tub only at 15.2 lbs 1.27 yield, Do not go over 10% excess without Talking to Company Man, Drop plug, Displace 39.5 bbls H₂O, Bump plug at 150 Psi over lift Psi, wait 5 min. Then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 700 sks, 32 oz Dye, 9 qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 8:00 pm, Circ 8:18 pm, Cement 8:27 pm to 8:38 pm
Drop plug 8:41 pm, Displace 8:42 pm
10 bbls 230 Psi 8:45 pm 6.0 bbls/m
20 bbls 280 Psi 8:47 pm 5.0 bbls/m
30 bbls 450 Psi 8:50 pm 4.0 bbls/m
39.5 bbls 310 Psi 8:55 pm 1.0 bbls/m
Bump Plug 490 Psi at 8:55 pm Float Collar Held
USED 12% Excess = 243.5 sks, 54.96 bbls/ Slurry
Aug Cement 4.99 bbls/m
Left with 457 sks, 16 oz Dye, 5 qts KCL

9 bbls Slurry To The Pit

6-20-11

AUTHORIZATION TO PROCEED

TITLE

DATE

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