



BISON

Invoice

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

Date	Invoice #
1/5/2013	11646

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Furrow Federal PCAB14-65H	Net 30	Surface		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe				
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	2.5			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	502	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	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 (2.9%)

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 # 11646

LOCATION 55-80

FOREMAN Kirk Kallhoff
Wade, Pablo, Serry

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-5-13	Furrow Federal PC AB 11-LS HN	14	7N	64W	Weld	

CHARGE TO Nable	OWNER
MAILING ADDRESS	OPERATOR Nable
CITY	CONTRACTOR Ensign 121
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 7:30pm	TIME LEFT LOCATION 3:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 1170	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 1123	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 1163		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 36.15	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION sand			BYPASS PIPE		
			[] PRODUCTION CASING		
			[] SQUEEZE CEMENT		
			[] ACID BREAKDOWN		
			[] ACID STIMULATION		
			[] ACID SPOTTING		
			[] MISC PUMP		
			[] OTHER		

PRESSURE SUMMARY				TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi			INITIAL BPM	
FINAL DISPLACEMENT psi	ISIP psi			FINAL BPM	
ANNULUS psi	5 MIN SIP psi			MINIMUM BPM	
MAXIMUM psi	15 MIN SIP psi			MAXIMUM BPM	
MINIMUM psi				AVERAGE BPM	
				HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Soften mud, Rig up, Psit test, Per cement, circ 5000s KCL H2O 4 1/2 w/Dye, mix & Pump Lead cement at 20% Excess at 13.1 lbs at 1.69 gpm 402 sbs, mix & Pump Tail cement at 15.2 lbs at 1.77 gpm 100 sbs, Release Plug Disp 86.8 BBLs H2O Pump Plug at 150 Psi over L.S. Psi, wait 5 min Release Psi, wash up Rig Down. H2O test ok

Acid wash 750 sbs cement 4 gal KCL 1600 Dye 120.9 BBLs slurry lead 22.6 Tail

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Soften mud 11:43pm circ 1:00am cement 1:08am shipment 1:48am

Drop Plug 1:52am Displace 1:52am

10 BBLs At 5 BBLs/m 1:55am 330psi

20 BBLs At 5 BBLs/m 1:57am 370psi

30 BBLs At 5 BBLs/m 1:59am 430psi

40 BBLs At 5 BBLs/m 2:03am 500psi

50 BBLs At 5 BBLs/m 2:05am 540psi

60 BBLs At 5 BBLs/m 2:08am 510psi

70 BBLs At 5 BBLs/m 2:10am 600psi

80 BBLs At 3.5 BBLs/m 2:12am 500psi

86.8 BBLs At 1 BBL/m 2:17am 500psi

Pump Plug 2:17am 760psi

Lft up 240 sbs cement 2 gal 3/4 KCL 600 Dye BBLs BBL 25

Used 20% Excess Lead

Used 402 sbs cement Lead

120.9 BBLs slurry

used 100 sbs tail

22.6 BBLs slurry

Robert Nichols

WSS

1-5-13

AUTHORIZATION TO PROCEED

TITLE

DATE

Customers hereby acknowledge and specifically agree 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