



BISON

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

Invoice

Date	Invoice #
11/9/2012	11308

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO.	Wells Ranch AE18-69-1HN	Net 30	Surface Pump		
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 Acquisition ...	Data Acquisition Charge	1		225.00	225.00
Discount 15%	Discount 15%			-15.00%	-33.75
HOURS	PSI Test Casing	1		500.00	500.00
	Subtotal of Services				2,340.25
BFN III Summer ...	BFN III Blend	362	Sack	18.50	6,697.00T
Discount 15%	Discount 15%			-15.00%	-1,004.55
KCL Mud Flush	(BHS 117)	5	qt	7.50	37.50T
Discount 15%	Discount 15%			-15.00%	-5.63
Dye - 4880	Dye (Hot Pink 4880)	10	oz	15.00	150.00T
Discount 15%	Discount 15%			-15.00%	-22.50
	Subtotal of Materials				5,851.82

Please Remit Payment To:

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

Subtotal	\$8,192.07
Sales Tax (2.9%)	\$169.70
Total	\$8,361.77
Balance Due	\$8,361.77

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 # 11308

LOCATION 68-69

FOREMAN Kirk Kallhoff
Palo, Mario

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-9-12	Wells Branch AE 18-69-1H2	18	6N	62W	Weld	

CHARGE TO Nobile	OWNER
MAILING ADDRESS	OPERATOR Nobile
CITY	CONTRACTOR H&P 315
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 3:45pm	TIME LEFT LOCATION 9:00am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 669	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBM 620	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 664		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 3615	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN OF 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: Pump 362 SKS cement at 30% Excess at 127yrd at 1512 and 127yrd until cement stops up. Release Plug Disp 47.9 BBLs H2O. Pump Plug Ad 150psi and L.Ft. Psi. wait 5min Release Psi. wash up Prg. Down. H2O test OK. Arrived w/ 600SKS cement 4yrd at 1602 Dye 81.8 BBLs slurry.

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Softly cementing 6:32am. pier 7:07am cement 7:15am stop cement 7:38am. Drop Plug 7:41am Displace 7:41am. 10 BBLs At 6 BBLs/m 7:44am 360psi. 20 BBLs At 6 BBLs/m 7:46am 360psi. 30 BBLs At 6 BBLs/m 7:47am 430psi. 40 BBLs At 3.5 BBLs/m 7:49am 350psi. 47.9 BBLs At 1 BBL/m 7:51am 280psi. Pump Plug 7:51am 610psi. Psi Test casing 1000 psi 15min.

L.Ft. 238SKS cement 2yrd 3yrd 602 Dye BBLs Dec 10. DAVE NIELSEN. 11-9-12. 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.