



BISON

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

Invoice

Date	Invoice #
1/13/2013	11649

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Thistle Dwon State PCF36-63 HJ	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				
Discount 15%	Discount 15%				
HOURS	Wait Time	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	340	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	oz		
Discount 15%	Discount 15%				
Sugar	Sugar	50	lb		
Discount 15%	Discount 15%				
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal	\$7,712.25
Sales Tax (2.9%)	\$223.76
Total	\$7,936.01
Balance Due	\$7,936.01

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 # 11649

LOCATION 49-50

FOREMAN Kirk Kallhoff
Linda Pablo mario

TREATMENT REPORT

DATE 1-13-13	WELL NAME Thistle Down State PCF 36-63-HV	SECTION 36	TWP 5N	RGE 6SW	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR PD 828				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 11:30 pm		TIME LEFT LOCATION 5:00 am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 604	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
P.B.D. 556	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 594		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 366	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

INSTRUCTIONS PRIOR TO JOBS: Plug cement, Pig up, PSI test, Per cement, circ 40 BBLs KLL H2O and 10% Dye mix, Pump 368 SKS cement at 30% Excess at 1127 yield at 1512 PSI, cement till roman stops us, Release Plug Disp 42.9 BBLs H2O Bump Plug at 150psi over Lift PSI, wait 5 min Release PSI, wash up Pig Down.

Arrived w/ 550 SKS cement 4 gal KLL 16oz Dye 1127 yield ok
832 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: sa Plug, mndry 2:00 am circ 3:04 am cement 3:19 am stop cement 3:41 am
Drop Plug 3:44 am Displace 3:44 am
10 BBLs at 5 BBLs/m 3:47 am 220psi
20 BBLs at 5 BBLs/m 3:49 am 300psi
30 BBLs at 5 BBLs/m 3:52 am 320psi
40 BBLs at 2.5 BBLs/m 3:55 am 260psi
42.9 BBLs at 1 BBL/m 3:59 am 220psi
Bump 3:59 am 390psi

used 20% Excess
used 340 SKS cement
76.9 BBLs slurry

6 PM
Erik Cousins
W.S.S.
1-13-13
BBLs BBL 13

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.