



BISON

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

Invoice

Date	Invoice #
12/13/2012	11635

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Shelton PCG24-74-IHN	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Pick-Up Truck Mileage charge	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	306	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	50,911.47
Sales Tax (2.3%)	1,146.17
Total	52,057.64
Balance Due	52,057.64

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 # 11635

LOCATION 49-42

FOREMAN Kirk Kallhauf
Mario, Mario, Jerry

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-13-12	Sheldon PC 6-24-74-1H.N	25	4N	6SW	weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR H&P 321				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 6:45am		TIME LEFT LOCATION 11:15am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 670	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 620	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 660		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 3615	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		
PRESSURE SUMMARY			BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD HHP = RATE X PRESSURE X 40.8		
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, Psit test, Per cement, circ 50 BBLs Kcl H2O 2nd 104 Dye, mix 3 Pump 362 sks at 30% Excess at 127yds at 152155 or until cement stops 45, Release Plug Disp 47.9 BBLs H2O, Pump Plug At 150 psi over Lift Plg, wait 5min Release Plg, wash up, Rig Down.

drilled w/ 600 sks cement 4 gal Kcl 1602 Dye
H2O test OK
81.8 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 9:00am circ 9:35am cement 9:45am stop cement 10:02am
Drop Plug 10:05am Displace 10:05am

488 10% Excess
used 306 sks cement
69.2 BBLs slurry

16 BBLs At 6 BBLs/m 10:08am 280psi
20 BBLs At 6 BBLs/m 10:09am 320psi
30 BBLs At 6 BBLs/m 10:11am 390psi
40 BBLs At 3.5 BBLs/m 10:12am 360psi
47.9 BBLs At 1 BBL/m 10:15am 280psi
Pump Plug 10:15am 1020psi

L.P.W./2945 sks cement 2 gal 30% Kcl 602 Dye
BBLs Back 3

Regen Fels
AUTHORIZATION TO PROCEED

WSS

TITLE

12-13-12

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.