



BISON

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

Invoice

Date	Invoice #
12/6/2012	11666

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	USX-AA-16-67 THN	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%				
Service Charge	Pressure Test	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	385	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	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 # 11666
LOCATION Wells Ranch
FOREMAN Mike Rosale

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-6-12	Wells Ranch Stake U2X-AA-16-67-11W	14	6N	63W	Wells	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR H+D 343				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 9:00 A.M.		TIME LEFT LOCATION 1:45 P.M.				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 684	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
POH 635.4	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 674		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lbs	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			[] PRODUCTION CASING		INITIAL BPM
			[] SOOZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHV = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up. SATHyment. PSI TEST. C.L. 40 BBbs H₂O 2nd 10 Dye mix + Pump
Type III 3% 2700 BFLA-1, 361 sls (30% Excess) 6745-2 100 and 40.0 127.5.88 H₂O
Or until Company man stops us, Release Plug Displace 49.1 BBbs H₂O Pump Plug 150 PSI over
Left wait Double min Release 7SE
Arrived with 600 sls Cement 10% KLL 1602 Dye 100 lbs Sugar

JOB SUMMARY					
DESCRIPTION OF JOB EVENTS					
Rig up	SATHyment	Cure	m+p	DRUP Plug	Displace 12:18 PM
10:30 AM	11:15 AM	11:41 AM	11:53	12:18 PM	Time PSI
				12:21 PM	10 330
STATE Cement STOP Cement				12:23 PM	20 460
11:53 AM 12:12 PM				12:25 PM	30 470
Used 385 sls Cement				12:27 PM	40 530
Used 35 % Excess				12:34 PM	49.1 590
Slurry 87.0				12:34 PM	Bump Plug 550
				12:34	BBbs Back to P.T

Left with 215 sls Cement & 9% KLL & 02 Dye 50 lbs Sugar (14)

Math Settle

AUTHORIZATION TO PROCEED

TITLE

12-6-12

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.