



BISON

Bison Oil Well Cementing Inc.
 1738 Wynkoop St.
 Suite 102
 Denver, CO 80202
 303-296-3010

Invoice

Date	Invoice #
5/28/2012	11011

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO.	Gundersen D41-290	Net 30	Surface Pump		
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	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	314	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
Sugar	Sugar	10	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**Sales Tax (2.9%)****Total****Balance Due**

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-298-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 11011
LOCATION Wor 40 +57
FOREMAN Mike Rosakz

TREATMENT REPORT

DATE 5-28-12	WELL NAME Gutherson D-11 290	SECTION 2	TWP 3N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Saxon 144				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 3:30 AM		TIME LEFT LOCATION 8:30 AM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 796	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 740.57	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8-5/8	TUBING CONDITION		TUBING		
CASING DEPTH 786		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 241 lb	PACKER DEPTH		SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		MISC PUMP		
MINIMUM psi			OTHER		HYD HHP = RATE X PRESSURE X 40 S

INSTRUCTIONS PRIOR TO JOB **Rig up, Safety meeting, PSI TEST 500 PSI, Circ 50 BBls H₂O/KCL 2nd 10 Rye mix + Pump 337 Sls Cement (30% Excess) yield 1127 AT 152 or until Compensate stoppe Release Plug Displace 47.1 BBls H₂O Bump Plug 150 PSI over 1st wait 10 min Release PSI Wash up Rig Down**
Slurry
Arrived with 600 SK Cement 10 qt KCL 1602 Rye H₂O TEST

JOB SUMMARY
DESCRIPTION OF JOB EVENTS **Safety meet 6:10 AM Circ 6:30 AM Cement start 6:43 AM Cement stop 7:00 AM Drop Plug 7:06 AM Displace 7:06 AM**

10 BBls at 5-6 BBls 7:08 AM 270 PSI used 21 % Excess
20 BBls at 5-6 BBls 7:10 AM 380 PSI used 34 Sls Cement
30 BBls at 5-6 BBls 7:12 AM 430 PSI Slurry 21.1
40 BBls at 5-2 BBls 7:14 AM 520 PSI Flow collar held
47.1 BBls at 1-3 BBls 7:17 AM 550 PSI
Bump Plug 13 BBls 7:17 AM 550 PSI

13 BBls BACK 10 FT

Left with 286 Sls cement 6 qt KCL 1602 Rye

12

[Signature]
AUTHORIZATION TO PROCEED

TITLE

5-28-12

DATE

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.