



BISON

Invoice

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

Date	Invoice #
9/8/2012	11263

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 AA24-66-1HN	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	364	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 (2.3%)	
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 # 11263
 LOCATION Wells Panel
 FOREMAN Mike Rosalev

TREATMENT REPORT

DATE <u>9-8-12</u>	WELL NAME <u>Wells Panel AA-24661111</u>	SECTION <u>24</u>	TWP <u>4</u>	RGE <u>63</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>H+P</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>4:15 AM</u>			TIME LEFT LOCATION <u>9:00 AM</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13-3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>631</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>DBTD 581.3</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>624</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 1BS</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up Sattymechy PSI TEST 1000, Cure 40 Bbls H₂O/KCL mix, 2nd 10 Day
mix + Pump 340 sacks Cement (30% excess) yield 1127 Density 15.2 or until Compaction stops
US, Release Plug + Displace 4.9 Bbls Azo, Bump Plug 150 PSI over HL Pressure TEST 1000 PSI
Hold for 15 min Release PSI Wash Rig Down
Arrived well 6:00 AM Cement 15 gals 1602 Day

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Sattymechy 5:45 AM Choc 6:48 AM Cement start 6:58 AM
Cement stop 7:18 AM Drop Plug 7:24 AM Displace 7:24 AM

10 Bbls at 5.5 Bbls/hr 7:26 AM 310 PSI Used 38 % excess
20 Bbls at 5.5 Bbls/hr 7:28 AM 410 PSI Used 36.4 sacks Cement
30 Bbls at 5.5 Bbls/hr 7:30 AM 470 PSI Slurry 82.3
40 Bbls at 5.5 Bbls/hr 7:32 AM 430 PSI
514.9 Bbls at 1.5 Bbls/hr 7:34 AM 690 PSI
Bump Plug 1.5 Bbls/hr 7:34 AM 690 PSI
Flow collar hold Bbls Back to P.T

Left with 234 sack Cement 11 gals KCL @ Day

[Signature]
 AUTHORIZATION TO PROCEED

WSS

TITLE

9-8-12

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.