



# BISON

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

## Invoice

Date	Invoice #
10/13/2011	10323

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 USXAA25-68-0114	Net 30	Surface		
Item	Description	Qty	U/M	Rate	Amount
Pump surface Discount 15%	PUMP Charge-surface pipe Discount 15%	1			
MILEAGE Discount 15%	Mileage charge Discount 15%	360			
Data Acquisitio... Discount 15%	Data Acquisition Charge Discount 15%	1			
	Subtotal of Services				
BFN III Summe... Discount 15%	BFN III Blend Discount 15%	343	Sack		
KCL Mud Flush Discount 15%	(BHS 117) Discount 15%	4	qt		
Dye - 4880 Discount 15%	Dye (Hot Pink 4880) Discount 15%	10	oz		
	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

# 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 # 10323

LOCATION 68-67

FOREMAN Kirk Kallhoff  
mike S Jassy

## TREATMENT REPORT

DATE 10-13-11	WELL NAME Wells Ranch USX AA 25-68-01 NW	SECTION 25	TWP 6N	RGE 63W	COUNTY weld	FORMATION
CHARGE TO Nole		OWNER				
MAILING ADDRESS		OPERATOR Nole				
CITY		CONTRACTOR HEP 343				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 6:00pm		TIME LEFT LOCATION 12:30pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 591	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PSTD 544.5	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 589		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lb	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 JOB Rig up, safety meeting, PSI test, Per cement, circ 40 BBLs KCL H2O, 2nd 10w/Dye, mix Pump 319  
sls cement at 30% Excess at 1:27 yielded 152 lbs, count 11 cement steps us, cement then 50% Excess, Release  
Pkg, Disp 42 BBLs H2O, Pump Pkg At 150 psi over Lift PSI, wait 5 min Release PSI, wash up, Rig Down  
H2O test OK  
Arrived w/ 750 sls cement 4 gal KCL 16oz Dye 72.1 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS safety meeting 9:28 pm circ 10:22 pm cement 10:30 pm  
Drop Pkg 11:07 pm Displace 11:07 pm

10 BBLs At 5.0 BBLs/m 11:10 pm 170 psi used 40% Excess  
20 BBLs At 5.0 BBLs/m 11:12 pm 270 psi used 343 sls cement  
30 BBLs At 5.0 BBLs/m 11:14 pm 320 psi 77.5 BBLs slurry  
40 BBLs At 2.0 BBLs/m 11:17 pm 240 psi  
42 BBLs At 1.0 BBLs/m 11:20 pm 220 psi  
Pump Pkg 11:20 pm 470 psi  
Float held cement fell 15 ft OK Per cement

Lft w/ 407 sls cement 3 gal KCL 6oz Dye BBLs Back 11

AUTHORIZATION TO PROCEED

TITLE

10-13-11

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.