



# BISON

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

## Invoice

Date	Invoice #
11/20/2012	11312

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 AA 16-661HNL	Net 30	Surface Pipe		
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%				
Service Charge	PSI Test Casing	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	365	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Sugar	Sugar	50	lb		
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****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 # 1/13/12

LOCATION 68-69

FOREMAN Kirk Kallha FF  
Pablo, Maria, John H, Jerry

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-20-12	Wells Ponds State USX 4416-66-1H4L	14	6N	63W	Weld	

CHARGE TO Nucle	OWNER
MAILING ADDRESS	OPERATOR Nucle
CITY	CONTRACTOR HEP 343
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 4:45pm	TIME LEFT LOCATION 11:00pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 675	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PST 627	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 670		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 36 lb	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SOEZE 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			TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		MINIMUM BPM	
MINIMUM psi			MAXIMUM BPM	
			AVERAGE BPM	
			HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, PST test, Per cement Circ 50 BBLs Kcl H2O 2nd 10W Dye mix Pump  
36.5 SKs cement at 30% Express at 1.22yrild at 15.2 lbs or until cement stops up, Release Plug Disp 48.4 BBLs  
H2O, Bump Plug At 150psi over Lift Psi, wait 5min, Release PSI, wash up Rig Down

Arrived w/ 750 SKs cement 4 gal Kcl 16oz Dye  
H2O test OK  
82.5 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 8:05pm circ 8:45pm cement 9:05pm stop cement 9:29pm

Disp Plug 9:33pm Displace 9:33pm  
10 BBLs At 5 BBLs/m 9:37pm 290psi  
20 BBLs At 5 BBLs/m 9:39pm 330psi  
30 BBLs At 5 BBLs/m 9:41pm 340psi  
40 BBLs At 3.5 BBLs/m 9:44pm 320psi  
48.4 BBLs At 1 BBL/m 9:49pm 250psi  
Bump Plug 9:49pm 500psi  
PST test casing 1000psi 15min

Lift w/ 385 SKs cement 2 gal 3% Kcl 6oz Dye  
BBLs Back 13

Mary Stapleton  
AUTHORIZATION TO PROCEED

TITLE

11-20-12

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