



# BISON

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

## Invoice

Date	Invoice #
11/19/2012	11249

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 AE 18-65-111N	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface Discount 15%	PUMP Charge-surface pipe Discount 15%	1			
MILEAGE Discount 15%	Pick -Up Mileage charge Discount 15%	360			
Data Acquisition ... Discount 15%	Data Acquisition Charge Discount 15%	1			
	Subtotal of Services				
BFN III Summer ... Discount 15%	BFN III Blend Discount 15%	329	Sack		
KCL Mud Flush Discount 15%	(BHS 117) Discount 15%	5	qt		
Dye - 4880 Discount 15%	Dye (Hot Pink 4880) Discount 15%	16	oz		
	Subtotal of Materials				

Please Remit Payment To:

Bison Oil Well Cementing, Inc.  
 P.O. Box 29671  
 Thornton, CO 80229

Subtotal	
Sales Tax	
<b>Total</b>	
Balance	

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-296-8143  
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 11249  
 LOCATION Wells Ranch  
 FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-19-12	Wells Ranch AE 18-C5-111N	18	EN	12W	Weld	

CHANGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&amp;P Rig 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:00pm.</u>	TIME LEFT LOCATION <u>7:45pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>13 7/8</u>					
TOTAL DEPTH <u>661</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNUBUS LONG		
<u>PRTD 613.37</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>656.06</u>		TREATMENT VA			

		TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>36 lb.</u>	PACKER DEPTH	<input checked="" 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	
ANNUBUS 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			

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, per Company Man, Bi check to 1000 Psi, Mud Flush, 50 bbls. H<sub>2</sub>O with KCL + Dye at 10 2nd 10 bbls, Mix + pump till good dye is seen then pump 10 bbls more, at 152 lbs, 1.27 yield, Deep plug, Displace 47.4 bbls H<sub>2</sub>O, Bump plug at 150 Psi over lift 1 Psi, Wait 1 min then bleed off Psi, Then casing Psi test to 1000 Psi for 15 min, then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O tested OK 9 5/8 36 lb casing = .0773, 12 3/4 Hole with 9 5/8 casing = .5258,

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS Safety meeting 5:50pm, Circ 5:58pm, Cement CM to 6:24pm  
Deep Plug 6:27pm, Displace 6:28pm  
10 bbls 300 Psi 6:31pm 6.0 bbls/min  
20 bbls 390 Psi 6:33pm 6.0 bbls/min  
30 bbls 440 Psi 6:35pm 6.0 bbls/min  
40 bbls 360 Psi 6:37pm 4.5 bbls/min  
47.4 bbls 250 Psi 6:41pm 1.0 bbls/min  
Bump Plug 520 Psi at 6:41pm  
Casing Psi Test 1110 Psi at 6:44pm to 1100 Psi at 6:59pm  
USED 20% EXCESS = 329 SKS, 74.41 bbls Slurry

5 bbls Slurry TO THE PIT

DAVE NIELSEN

CO MAN  
 TITLE

11-19-12  
 DATE

Customer 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.

# BISON OIL WELL CEMENTING, INC.

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 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-296-8143  
 E-mail: bisonoil1@qwestoffice.net



## SERVICE INVOICE

No 11249

WELL NO. AND FARM <i>Wells Ranch NE 18-65-111N</i>	COUNTY <i>Weld</i>	STATE <i>Colo.</i>	DATE <i>11-19-12</i>
CHARGE TO <i>Noble</i>	WELL LOCATION SEC. <i>18</i> TWP. <i>6N</i> RANGE <i>62W</i>		CONTRACTOR <i>H&amp;P Rig 315</i>
DELIVERED TO <i>Wells Ranch</i>		LOCATION <i>1 Shop</i>	CODE
SHIPPED VIA <i>3106/3203</i>		LOCATION <i>2 Wells Ranch</i>	CODE
TYPE AND PURPOSE OF JOB <i>SURFACE PIPE</i>		LOCATION <i>3 Shop</i>	CODE
		WELL TYPE <i>Gas + Oil</i>	CODE

PRICE REFERENCE	DESCRIPTION	UNITS		UNIT PRICE	AMOUNT
		QTY.	MEAS.		
	<i>Pump Charge</i>	<i>1</i>			
	<i>BENTON 370 BCCA-1 .25 11/5K BFLA-1</i>	<i>329</i>			
	<i>BCLY-1</i>	<i>5</i>			
	<i>Dye</i>	<i>16</i>			
	<i>Mileage 150 mile 60 mile min Round Trip</i>	<i>3</i>			
	<i>Data Int.</i>	<i>1</i>			
		<i>1</i>			

NO INVOICE WILL BE PAID UNLESS ALL ATTACHED SIGNED FIELD TICKETS	HOUSE TO APPROVER <i>Jason Duncan</i>	DATE <i>11/19/12</i>	CTD CODE <i>111-0017</i>	QUANTITY BEING APPROVED <i>9229.00</i>	WELLS RANCH NE 18-65-111N	DATE <i>11/19/12</i>	WELLS RANCH NE 18-65-111N
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If this account is not paid within 30 days of invoice date a FINANCE CHARGE will be made. Computed at a single monthly rate of 1 1/2% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

TAX REFERENCES

*Thanks Calvin*

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

*(Paul W. Dein)* *Calvin J. R.*  
 Customer or His Agent      Bison Oil Well Cementing, Inc. Representative

SUBJECT TO CORRECTION

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