



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

Invoice

Date	Invoice #
3/27/2012	11481

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 USX AA 13-67H	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 Winter ...	BFN III Blend	322	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Soap	Soap in H2O	1	gal		
Discount 15%	Discount 15%				
BSAP-1	SAPP (Sodium Acid Pyrophospahte)	1	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: 303-296-3010
 Fax: 303-298-8143
 E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 11481

LOCATION 68-69

FOREMAN Kirk Kellhoff
Dario Pete Leon

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-27-12	<u>Wells Ranch 45X AA B-67114</u>	13	6N	63W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P 315</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>8:00am</u>		TIME LEFT LOCATION <u>12:00pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>13 3/4</u>					
TOTAL DEPTH <u>598</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>DBTD 544</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>542.49</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>36 lb</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>good</u>			[] SURFACE PIPE		
			[] PRODUCTION CASING		
			[] SQUEEZE CEMENT		
			[] ACID BREAKDOWN		
			[] ACID STIMULATION		
			[] ACID SPOTTING		
			[] MISC PUMP		
			[] OTHER		

PRESSURE SUMMARY		BREAKDOWN or CIRCULATING		BYPASS	
AVERAGE	psi	psi	psi	psi	psi
ISIP	psi	psi	psi	psi	psi
5 MIN SIP	psi	psi	psi	psi	psi
15 MIN SIP	psi	psi	psi	psi	psi
					HYD IHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psitosh, Per casing Pump spacer 50 bbls K^{H2O} 1st 10 seep, 2nd 10 seep, 3rd 10 Dye, mix & Pump 322 sks cement at 30% excess at 127 yield at 1512 lbs or until all cement steps up, Release Plug Disp 42.5 Bbls H₂O, Bump Plug 300 psi over L.Ft psi, wait 5 min Release Psi, wash up Rig Down

Arrived w/ 750 sks cement 75 lbs seep 1/2 cell seep 4 cell K^{H2O} 1607 Dye 72.8 Bbls slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS safety meeting 10:11am spacer 10:32am cement 10:42am stop cement 11:04am Disp Plug 11:06am Displace 11:06am

10 Bbls @ 6.0 Bbls/m	11:08am	320psi	4 seep 30% excess used 322 sks cement 72.8 Bbls slurry
20 Bbls @ 6.0 Bbls/m	11:10am	400psi	
30 Bbls @ 6.0 Bbls/m	11:12am	450psi	
40 Bbls @ 6.0 Bbls/m	11:14am	280psi	
42.5 Bbls @ 6.0 Bbls/m	11:18am	250psi	
Bump Plug	11:18am	810psi	

L.Ft w/ 428 sks cement 2 cell 3 gts K^{H2O} 6 Bbls Back 13

[Signature] AUTHORIZATION TO PROCEED WSS TITLE DATE 3-27-12

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.