



BISON

Bison Oil Well Cementing Inc.
 1547 Gaylord Street
 Denver, CO 80206
 303-296-3010

Invoice

Date	Invoice #
5/7/2013	11919

Bill To
Noble Energy Inc. Attn: Accounting 1625 Broadway Ste 2000 Denver, CO 80202

Location	Well Name & No.	Terms	Job Type		
Weld CO	Cook State LD 36-78HN	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	474			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	Casing PSI Test	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	316	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - Blue	Dye Blue	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 (2.8%)	
Total	
Balance Due	

BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street
 Denver, Colorado 80206
 Phone: 303-296-3010
 Fax: 303-298-8143
 E-mail: bisonoil1@qwestoffice.net



INVOICE # 11919
 LOCATION 98+133
 FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-7-13	Cook State LD 36-78HN	36	9N	58W	Weld
BILL TO		CONSULTANT			
Noble		JEREMY S.			
OWNER		RIG NAME & NUMBER			
Noble		H&P Rig 322			
MAILING ADDRESS		DISTANCE TO LOCATION		UNITS ON LOCATION	
		79 miles		3106/3203	
CITY		TIME REQUESTED		TIME ARRIVED ON LOCATION	
		9:00 AM		8:45 AM	
STATE, ZIP		TIME LEFT LOCATION			
		1:00 PM			

WELL DATA

Cement Makeup

HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFN III 3% BCCA-1, 25 1/2% BFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
640				15.2	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5259	.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
635.92			<input checked="" type="checkbox"/> Surface Pipe	<input type="checkbox"/> Production	<input type="checkbox"/> Squeeze
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> MISC Pump	<input type="checkbox"/> P&A	
3616			HYD HHP = RATE X PRESSURE / 40.8		
CASING CONDITION	Good		% Excess	10	
Max Rate	7		BBL to Pit	6	
Max Pressure	2500				

DESCRIPTION OF JOB EVENTS

Mi. rig, Safety Meeting, Psi Check to 1000 Psi, Circ 45 bbls. H₂O with KCL + Blue Dye x 16 in 2nd 10 bbls, Mix + pump till good dye is seen at 15.2 lbs, 1.27 yield, Drop plug, Displace 45.8 bbls H₂O, Bump plug at 150 Psi over Lift Psi, With 5 min then bleed off Psi, Do casing Psi test 1000 Psi for 15 min, Then bleed off Psi, Wash up, Rig down,

X

Authorization To Proceed

[Signature]

Title

C. man

Date

5-7-13

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.