



BISON

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

Invoice

Date	Invoice #
9/23/2013	12686

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rhon State LD09-69HN	Net 30	Surface Pipe		
Item	Rhon Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Mileage charge	480			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
HOURS	Wait Time	4			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	492	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
Sugar	Sugar	50	lb		
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal**Sales Tax****Total****Balance**

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 #
LOCATION
FOREMAN

12686
127+110
Calvin Reimers

TREATMENT REPORT

DATE 9-23-13	WELL NAME Robt State LD 09-69HN	SECTION 4	TWP 9N	RGE 58W	COUNTY Weld
BILL TO Noble		CONSULTANT Dave N.			
OWNER Noble		RIG NAME & NUMBER H&P Rig 273			
MAILING ADDRESS		DISTANCE TO LOCATION 80 miles		UNITS ON LOCATION 3106/3210	
CITY		TIME REQUESTED 10:00 AM.		TIME ARRIVED ON LOCATION 9:00 AM.	
STATE, ZIP		TIME LEFT LOCATION 6:00 PM.			
WELL DATA			Cement Makeup		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	Cement Blend BFN JIL 3% BCCA-1.2516/K BFLA-1		
TOTAL DEPTH 1249	TUBING DEPTH	SHOTS/FT	Cement - Specs lbs 12.1 / 15.2	Yield 169 / 1.27	Water Requirements 8.64 / 5.89
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE	Annulus Factor .5259	Capacity Factor .0773	
CASING DEPTH 1244.57	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT <input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A		
CASING WEIGHT 36 lb.	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
CASING CONDITION Good			% Excess 20 / 0		
Max Rate 7			BBL to Pit 14		
Max Pressure 2500					

DESCRIPTION OF JOB EVENTS

MUR, Safety Meeting, Psi Test to 500 Psi, Cica 40 bbls H₂O with KCL + Dye x 16 in 2nd 10 bbls, Mix + pump Lead 20% Excess = 392 sks, 117.98 bbls Slurry at 13.1 lb 169 yield, Tail 0% Excess = 100 sks, 22.62 bbls Slurry at 15.2 lbs 127 yield, Drop plug, Displace 92.9 bbls H₂O, Bump plug at 150 Psi, Over Lift Psi, Wait 5 min. then bleed off Psi, Washup, Rig down,

X

[Signature]

Authorization To Proceed

Title

CO-MAN

X

9-23-13

Date

Customers hereby acknowledge and specifically agree 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.