



BISON

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

Invoice

Date	Invoice #
8/26/2013	12422

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 USXAA27-69-1H1	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	Casing Test	1			
HOURS	Wait Time	2			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	337	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 (2.9%)	
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

12422
Wells Ranch
Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
8-26-13	Wells Ranch USX H&P 27-69-HW	27	6N	63W	Weld
BILL TO	CONSULTANT				
Noble	Cliff				
OWNER	RIG NAME & NUMBER				
Noble	H&P Rig 277				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	31 miles		3106/3211		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	5:30 p.m.		4:45 p.m.		
STATE, ZIP	TIME LEFT LOCATION				
	11:30 p.m.				

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
608		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
601.76		
CASING WEIGHT	PACKER DEPTH	
36 lb.		
CASING CONDITION	Good	
Max Rate	7	
Max Pressure	2500	

Cement Makeup

Cement Blend	BFN 3% BCCA-1.25 lb/sk BFLA-1		
Cement - Specs	lbs	Yield	Water Requirements
	15.2	1.27	5.89
Annulus Factor	Capacity Factor		
.5259	.0773		

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	

HYD HHP = RATE X PRESSURE / 40.8

% Excess	20
BBL to Pit	15

DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting, Psi Test to 1000 Psi, Circ 40 bbls H₂O with KCL + Dye x 16 in 2nd 10 bbls Mix + pump tell good dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace 43.2 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Then do Casing Psi test to 1000 Psi for 15 min. then bleed off Psi, Washup, Rig down,

X Martin Colony
Authorization To Proceed

Title

X 8-26-13
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.