



BISON

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

Invoice

Date	Invoice #
5/25/2013	11947

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 AE05-68HN	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%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	383	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	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 (2.9%)

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 #
LOCATION
FOREMAN

11947
6869
Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-25-13	Wells Branch AE 05-68-HW	6	6N	62W	Weld
BILL TO	CONSULTANT				
	Stetson				
OWNER	RIG NAME & NUMBER				
	HFR 321				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3205		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	4:00 pm		3:00 pm		
STATE, ZIP	TIME LEFT LOCATION				
	8:00 pm				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFL 3% BCCA-1.25 lbs per SK BFL 1-1	
13 3/4			Cement - Specs	lbs	Yield
				15.2	1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
627			.5258	.0773	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	TYPE OF TREATMENT		
9 5/8			<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 DEPTH	TUBING CONDITION	TREATMENT VIA	HYD HHP = RATE X PRESSURE / 40.8		
617					
CASING WEIGHT	PACKER DEPTH		% Excess		
3615			30%		
CASING CONDITION			BBL to Pit		
Good			23		
Max Rate					
Max Pressure					

DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PSE dest, Perelman circ 40 BBLs KCL H2O 2-2 10 w/ Dye mix & Pump 383 SKS cement at 30% Excess at 1.27 yield at 15.2 lbs or until it stopped by cement, Release Plug Disp 44.6 BBLs H2O, Pump Plug at 150 pps out Lift pps wait 5 min Release PSE wash up Rig Down.

X Seel
Authorization To Proceed

WSS
Title

X 5-25-13
Date

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.