



BISON

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

Invoice

Date	Invoice #
5/26/2013	11948

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 AA23-63HN	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	PSI Test	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	346	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	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 #

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LOCATION

68-69

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TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-26-13	Wells Branch 458 AA 23-63 H/V	6	6N	63W	Weld
BILL TO	CONSULTANT				
Noble	Matt				
OWNER	RIG NAME & NUMBER				
	HFP 343				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3205		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	4:30 pm				
STATE, ZIP	TIME LEFT LOCATION				
	8:30 pm				

WELL DATA

Cement Makeup

HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BEND 340 BCL-A-1, 25 lbs per sack BCL-A-1		
13 3/4			Cement - Specs	lbs	Yield	Water Requirements
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		152	1.27	5.85
677			Annulus Factor	Capacity Factor		
CASING SIZE	TUBING WEIGHT	OPEN HOLE		5250	10773	
9 5/8			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 DEPTH	TUBING CONDITION	TREATMENT VIA				
667						
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8 % Excess <u>10%</u> BBL to Pit <u>15 BBLs</u>			
34 lb						
CASING CONDITION	Good					
Max Rate						
Max Pressure						

DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PSI test, Permenrier 50 BBLs KCL H2O 2nd 1000 Dye, mix & Pump 409 sacks cement at 30% Excess at 1.27 yield at 152 lbs or until stopped by cement, Release Plug Disp 48.3 BBLs H2O Pump Plug At 150 PSI over Lift PSI wait 5 min Release PSI, wash up Rig Down

X

Authorization To Proceed

Title

X 5-26-13
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.