



BISON

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

Invoice

Date	Invoice #
3/20/2013	11714

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Shable LF07-684IN	Net 30	Surface Pump		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Mileage charge	420			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	PSI Test Casing	1			
BFN III Winter ...	BFN III Blend	449	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%				

Please Remit Payment To:

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

Subtotal	\$4,706.00
Sales Tax (2.9%)	\$137.51
Total	\$4,843.51
Balance Due	\$4,843.51

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

11714

95-96

Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
3-20-13	Shale LF 07-68 NW	5	8 N	60W	Weld
BILL TO	CONSULTANT				
Noble	Tim				
OWNER	RIG NAME & NUMBER				
	PD 829				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			303-3211		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	1:30pm		1:00pm		
STATE, ZIP	TIME LEFT LOCATION				
	12:00pm				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BF with 3% BCCA-1, 25lbs per sk BFLA-1	
13 3/4			Cement - Specs	lbs	Yield
				15.2	1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
639			5258	10773	
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		
629					
CASING WEIGHT	PACKER DEPTH		% Excess		
36 lb			49%		
CASING CONDITION			BBL to Pit		
good			2		
Max Rate					
Max Pressure					

DESCRIPTION OF JOB EVENTS

Set up meeting, Rig up, PSI test, Per man, circ 40 BBLs RCL H2O End 10w Dye, misc Pump 390 SKS cement at 30% Excess at 1.27 yield at 15.2 lbs or until stopped By man, Release Plug, Disp 45.1 BBLs H2O Pump Plug At 150 psi out Lift PSI wait 5 min Release PSI wash up Rig Down

Arrived w/ 600 SKS cement 4 small 16oz Dye

X Authorization To Proceed

Title

X 3-20-13
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.