



BISON

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

Invoice

Date	Invoice #
4/21/2013	11874

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Summer PCLE 23-64HN	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%				
HOURS	Wait Time	1.5			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	386	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
	Subtotal of Materials				

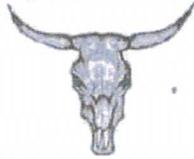
Please Remit Payment To:

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

Subtotal	38,386.34
Sales Tax (2.5%)	959.66
Total	39,346.00
Balance Due	39,346.00

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

11874
 93 + Wht 18
 Mike R

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
4-21-13	Kummer PL-1E 23-6411	23	3N	61W	Weld
BILL TO	CONSULTANT				
Noble	Lance				
OWNER	RIG NAME & NUMBER				
Noble	HIP 374				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	33		4007 4023 1111		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	4:00		3:15		
STATE, ZIP	TIME LEFT LOCATION				
	9:30 PM				

WELL DATA			Cement Makeup			
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BENDE 3% BCLM-1 25M BFLM-1		
133/14			Cement - Specs	lbs	Yield	Water Requirements
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		15.2	1.27	5.89
766			Annulus Factor	Capacity Factor		
CASING SIZE	TUBING WEIGHT	OPEN HOLE	4343	1528	874	10713
9.518			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				
743						
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8 % Excess 10 BBL to Pit 8			
36#						
CASING CONDITION	Good					
Max Rate	4.0					
Max Pressure	490					

DESCRIPTION OF JOB EVENTS

Safety met, Rig up, JSIA-PSI Test, SPACER 50 BBL 2x10 W/C
 Mix + Pump 456 SKS Cement 30% Excess at 15.2 1.27 yield or out / Comparison
 Stops vs Drop Plug Displace 1234 How Do not go over 1/2 BBL Displace 55.3
 Bump Plug 150 to 200 PSI over 1-1/2 WAIT Couple min Release PSI

Authorization To Proceed Title 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.