



BISON

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

Invoice

Date	Invoice #
3/29/2013	11862

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Kummer PCLE 23-65HN	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	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
HOURS	Wait Time	2			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	407	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

Sales Tax (2.3%)

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

11862
Hwy 14-93
Mike Rosale

TREATMENT REPORT

DATE 3-13	WELL NAME Kummer PC-LE 23-654	SECTION 23	TWP 8N	RGE 61W	COUNTY Weld
BILL TO Noble	CONSULTANT Dink				
OWNER Noble	RIG NAME & NUMBER H+P 373				
MAILING ADDRESS	DISTANCE TO LOCATION 52.7 mile		UNITS ON LOCATION 3		
CITY	TIME REQUESTED 1200		TIME ARRIVED ON LOCATION 1207 AM		
STATE, ZIP	TIME LEFT LOCATION 8:32				
WELL DATA			Cement Makeup		
HOLE SIZE 133/4	TUBING SIZE	PERFORATIONS	Cement Blend BFN III 3% BE/A-1		
TOTAL DEPTH 767	TUBING DEPTH	SHOTS/FT	Cement - Specs lbs 15-2	Yield 1.27	Water Requirements 8.589
CASING SIZE 95/8	TUBING WEIGHT	OPEN HOLE	Annulus Factor 1.7842, 5259, 3434		
CASING DEPTH 757	TUBING CONDITION	TREATMENT VIA	Capacity Factor 0.0773		
CASING WEIGHT 36#	PACKER DEPTH		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 CONDITION Good			HYD HHP = RATE X PRESSURE / 40.8		
Max Rate 4.3			% Excess 11%		
Max Pressure 400 PSI			BBL to Pit 15		

DESCRIPTION OF JOB EVENTS

Safety meeting. Rig up TSA-Spacer 50 BBLs 2nd 10 Dye mix + Pump 453 SKs Cement
30% Excess at 15-2 1184 yield 1.27 or until Company men stopes use DROP Plug Displace
55 BBLs H2O Pump Plug 150 over 1st wait 3min Release P&A Wash Up Rig Down

X
Authorization To Proceed

WSS
Title

X 3-13
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.