



BISON

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

Invoice

Date	Invoice #
4/12/2013	11893

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Timbro EL 13-74-HIN	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	420			
Discount 15%	Discount 15%				
MILEAGE	Mileage charge				
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge				
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	334	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

11893
104-119
Kirk

TREATMENT REPORT

DATE 4-12-13	WELL NAME Timbro LC 13-7H-1H2	SECTION	TWP	RGE	COUNTY Cald
BILL TO Noble	CONSULTANT Josh				
OWNER	RIG NAME & NUMBER NFP 322				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION 3/03-3211		
CITY	TIME REQUESTED 3:00am		TIME ARRIVED ON LOCATION 2:00am		
STATE, ZIP	TIME LEFT LOCATION 5:45am				
WELL DATA			Cement Makeup		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	Cement Blend BF 077 39% BCL-1, 25% Super SK BCL-1		
TOTAL DEPTH 644	TUBING DEPTH	SHOTS/FT	Cement - Specs lbs 152	Yield 1.27	Water Requirements 5.89
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE	Annulus Factor 1.5258		
CASING DEPTH 639	TUBING CONDITION	TREATMENT VIA	Capacity Factor 1.0773		
CASING WEIGHT 3616	PACKER DEPTH		TYPE OF TREATMENT		
CASING CONDITION good			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A		
Max Rate			HYD HHP = RATE X PRESSURE / 40.8		
Max Pressure			% Excess 100%		
			BBL to Pit 19		

DESCRIPTION OF JOB EVENTS

Setty meeting, Rig up, PSI test, Per roman c/c 40 BBLs KCL H2O 2nd 104 / Dye, mix & Pump 394 BBLs cement at 30% Excess at 1.27 yield at 15.2 lbs or until roman steps up, Release Plug Disp 416 BBLs H2O, Pump Plug at 150 PSI over List PSI wait 5 min Release PSI, wash up Rig Down

X Authorization to Proceed

WSS Title

x 4-12-13 Date