



BISON

Invoice

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

Date	Invoice #
4/27/2013	11914

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Tembro LC13-75-1HN	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	456			
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	316	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	\$7,721.50
Sales Tax (2.9%)	\$222.93
Total	\$7,944.43
Balance	\$7,944.43

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

11914
 104+119
 CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
4-27-13	Timbro LC 13-75-1HN	24	9N	59W	Weld
BILL TO	CONSULTANT				
Noble	Mike S.				
OWNER	RIG NAME & NUMBER				
Noble	H&P Rig 322				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCTION		
	76 miles		3106/3204		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	10:00pm		10:00pm		
STATE, ZIP	TIME LEFT LOCATION				
	2:15am.				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13-3/4			BFN III 3% BCCA-1 .25 166K BFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
640				15.2	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5259	.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
637.25			<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 WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
36 lb.					
CASING CONDITION			% Excess	10	
Good			BBL to Pit	10	
Max Rate					
7					
Max Pressure					
2500					

DESCRIPTION OF JOB EVENTS

MIRU, Safety MEETING, Psi Check to 1000, Circ 50 bbls H₂O with KCL + Dyex 16 in 2nd 10 bbls, Mixer pump tell good dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace 45.9 bbls H₂O, Bump plug at 150 Psi over lift Psi, Wait 5 min. then bleed off Psi, CASING PSI TEST 1000 Psi for 15 min. Washup Rig down.

x

x 4-27-13
 Date

Authorization To Proceed

Title

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.