



BISON

Bison Oil Well Cementing Inc.
 Suite 102
 Denver, CO 80202
 303-296-3010

Invoice

Date	Invoice #
2/20/2013	11699

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Timbro Federal LD 18-74HN	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%				
HOURS	Job Time	2			
Type III Cement	Type III Cement	447	SXS lb		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	6	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

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

11699
104-119
Kirk Kallhoff

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
2-20-13	Timber Forest 2018-74 H-2	18	9N	58W	Weld
BILL TO		CONSULTANT			
cable		Chris			
OWNER		RIG NAME & NUMBER			
		N&P 326			
MAILING ADDRESS		DISTANCE TO LOCATION		UNITS ON LOCATION	
				3103-3211	
CITY		TIME REQUESTED		TIME ARRIVED ON LOCATION	
		3:00pm		2:00pm	
STATE, ZIP		TIME LEFT LOCATION			
		9:30am			

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
899		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
892		
CASING WEIGHT	PACKER DEPTH	
36 lb		
CASING CONDITION	Good	
Max Rate		
Max Pressure		

Cement Makeup

Cement Blend	BSW III 34% BCCA-1, 25 lbs per SK BFLA-1		
Cement - Specs	lbs	Yield	Water Requirements
	15.2	1.27	5.89
Annulus Factor	Capacity Factor		
1.5258	1.0773		
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			

HYD HHP = RATE X PRESSURE / 40.8

% Excess	10
BBL to Pit	27

DESCRIPTION OF JOB EVENTS

SAFETY meeting, Rig up, Psi test, Performan cior 60 BBS KLL H2O 2nd 104 Dye, mix Pump 528 SK cement at 1.27 yield at 15.2 lbs at 30% Excess or until cement stops up, Release Plug, Disp 65.7 BBS H2O, Pump Plug At 150 Psi over Lift Psi, wait 5min Release Psi, wash up Rig Down

Arrival w/ 600 SKS cement 4gall KLL 16oz Dye

H2O test ok
119.4 BBS slurry

WSS
Title

X 2-20-13
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.