



# 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 LL 13-74-HIN	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe				
Discount 15%	Discount 15%				
MILEAGE	Mileage charge	420			
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%)	
<b>Total</b>	
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 # 11893  
 LOCATION 104-119  
 FOREMAN Kirk

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
4-12-13	Timbro LC 13-74-11H2				Weld
BILL TO	CONSULTANT				
Moble	Josh				
OWNER	RIG NAME & NUMBER				
	AEP 322				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3/03-3211		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	3:00am		2:00am		
STATE, ZIP	TIME LEFT LOCATION				
	5:45am				

### WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
644		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
639		
CASING WEIGHT	PACKER DEPTH	
3616		
CASING CONDITION		
good		
Max Rate		
Max Pressure		

### Cement Makeup

Cement Blend	BF 077 39% KCL A-1, 25 lbs per sk BFLA-1		
Cement - Specs	lbs	Yield	Water Requirements
	152	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	19		

### DESCRIPTION OF JOB EVENTS

setty meeting, Rig up, PSI test, Per roman circ 40 Bbls KCL A20 2-104 / Dye, mix & Pump 394 Bbls cement at 30% Excess at 1.27 yield at 15.2 lbs or until roman steps us, Release Plug Disp 46 Bbls H2O, Pump Plug at 150 PSI over Lift PSI wait 5 min Release PSI, wash up Rig Down

X Authorization to Proceed

WSS Title

x 4-12-13 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.