



BISON

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

Invoice

Date	Invoice #
8/4/2013	11843

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Trebro B11-6-9-IHN	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	380			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	Iron Inspection	1			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	500	Sack		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
Sugar	Sugar	100	lb		
	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

11843
 HAP Rig 330
 Brockosinski

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
Aug 4 2013	Trebra B11691 HA				
BILL TO	CONSULTANT				
Noble Energy	David Denek				
OWNER	RIG NAME & NUMBER				
	HAP 330				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			4022/3104/4011/111		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	21		8:50		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			Typ 3 3% CCA 1/4 set over tube		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
675				15.2	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5258	.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
665			<input checked="" type="checkbox"/> Surface Pipe	<input type="checkbox"/> Production	<input type="checkbox"/> Squeeze
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> MISC Pump	<input type="checkbox"/> P&A	
36			HYD HHP = RATE X PRESSURE / 40.8		
CASING CONDITION	Brock		% Excess		
			BBL to Pit	15	
Max Rate					
Max Pressure					

DESCRIPTION OF JOB EVENTS for 1000 psi.
 MIRU, Safety meeting, Pressure test are lines, Break circulation
 Pump 10F 10D 38F HAP 500 sks Drop plug Dis 48.1 bbls of H₂O
 land plug hold for 15 min to see if floats hold then do a
 pressure test to 1000 on casing. Clean up rig down.

David Dupes
 Authorization To Proceed

WSS
 Title

X Aug 4 2013
 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.