



BISON

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

Invoice

Date	Invoice #
5/6/2013	11918

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Moser PC G34-65HN	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	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	Casing PSI Test	1			
Service Charge	Wait Time	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	409	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	\$9,322.14
Sales Tax (2.9%)	\$270.34
Total	\$9,592.48
Balance Due	\$9,592.48

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

11918
43440
CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-6-13	Moser, PC 634-65-HN	34	4N	65W	Weld
BILL TO	CONSULTANT				
Noble	BRYANT DEAR				
OWNER	RIG NAME & NUMBER				
Noble	H4P Rig 315				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	7 miles		3106/3211		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	12:00 pm		11:30 am.		
STATE, ZIP	TIME LEFT LOCATION				
	5:00 pm.				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFNITL 3% BCCA-1 25145K BFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
707				15.2	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			1.5259	1.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
707			<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	Good		% Excess	30	
Max Rate	7		BBL to Pit	15	
Max Pressure	2500				

DESCRIPTION OF JOB EVENTS

MUR, Safety Meeting, Psi test to 1000 Psi, Circ 50 bbls H₂O with KCL + Dye x 16 in 2" 10 bbls, Mix + pump till good Dye is seen at 15.2 lbs 1.27 yield, Drop plug, Displace 51.4 bbls H₂O, Bump plug at 150 Psi over lift Psi, Wait 5 min then bleed off Psi, Then do Casing Psi Test to 1000 Psi for 15 min. then bleed off Psi, Wash up, Rig down.

X
Authorization to Proceed

Noble WSS
Title

X 5-6-13
Date

Customers hereby acknowledge and specifically agree 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.