



BISON

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

Invoice

Date	Invoice #
7/1/2013	11999

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Wells Ranch USXAE07-63-1H	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	Cassing Test	1			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	370	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	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	
Sales Tax (2.2%)	
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

11999
 Wells Ranch
 Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
7-1-13	Wells Ranch USXAE07-03-1AN	12	6N	63W	Weld
BILL TO	CONSULTANT				
Noble	JEREMY S / SHANE H.				
OWNER	RIG NAME & NUMBER				
Noble	H&P Rig 322				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	33 miles		3106 / 3210		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	3:00 am		1:45 am		
STATE, ZIP	TIME LEFT LOCATION				
	5:45 am				

WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFN 3% BCCA-1.25 165K BFLA-1	
13 3/4			Cement - Specs	lbs	Yield
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		15.2	1.27
665			Annulus Factor	Capacity Factor	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	.5259	.0773	
9 5/8			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		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	HYD HHP = RATE X PRESSURE / 40.8 % Excess <input type="text" value="25"/> BBL to Pit <input type="text" value="11"/>		
661.57					
CASING WEIGHT	PACKER DEPTH				
36 lb.					
CASING CONDITION	<input type="text" value="Good"/>				
Max Rate	<input type="text" value="7"/>				
Max Pressure	<input type="text" value="2500"/>				

DESCRIPTION OF JOB EVENTS

MIRU, Safety meetings, Psi test to 1000 Psi, Circ 40 bbls. H₂O with KCL + Pink Dye 16 in 2nd 10 bbls, Mix + pump till good dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace 47.8 bbls H₂O, Bump plug at 150 Psi over lift Psi, Wait 5 min then bleed off Psi, Do casing Psi test 1000 Psi for 15 min then bleed off Psi, Wash up, Rig down

X _____
 Authorization To Proceed

Title

X 7-1-13
 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.