



BISON

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

Invoice

Date	Invoice #
9/21/2013	12668

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 AE20-66HN	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%				
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	518	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	7	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	\$10,496.00
Sales Tax (2.9%)	\$304.38
Total	\$10,800.38
Balance	\$10,800.38

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

126-68
68+69
monte

TREATMENT REPORT

DATE 9-21-13	WELL NAME wells Requir AF 20 664M	SECTION 20	TWP 6-N	RGE 62 W	COUNTY wco 66
BILL TO noble	CONSULTANT Stetson				
OWNER	RIG NAME & NUMBER H+P 321				
MAILING ADDRESS	DISTANCE TO LOCATION 34.5		UNITS ON LOCTION 3106-3206		
CITY	TIME REQUESTED 7:30		TIME ARRIVED ON LOCATION 7:30		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA

HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 980	TUBING DEPTH	SHOTS/FT
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE
CASING DEPTH 974	TUBING CONDITION	TREATMENT VIA
CASING WEIGHT 36	PACKER DEPTH	
CASING CONDITION Good		
Max Rate		
Max Pressure		

Cement Makeup

Cement Blend	BEN # 30706300-1.2516 BFLA-1		
Cement - Specs	lbs 15.2	Yield 1.27	Water Requirements 5.87
Annulus Factor	Capacity Factor		
15159	10573		

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	20970
BBL to Pit	24.5

DESCRIPTION OF JOB EVENTS

Safety meeting MTRU Pressure test Per Company man
circulate 200bbls Ahead with Dye in 2nd 10 min & Pump 4755bbls
cement Drop plug & Disp 79.5 bbls H2O Pump plug 150 ppg Ahead
1.5ft Pressure Hold 5min Release pressure wash up Rig down

X [Signature]
Authorization To Proceed

WSS
Title

X 9-21-13
Date

Customer 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.