



# BISON

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

## Invoice

Date	Invoice #
9/27/2013	12710

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Loeffler K1-65-11N	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 Test	1			
HOURS	Wait Time	2			
Service Charge	Iron Inspection	1			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	348	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 (2.9%)	
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

12710  
35+48  
monte

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
9-27-13	Lochter K01-654N	1	4N	66W	Weld
BILL TO	CONSULTANT				
Noble	JD				
OWNER	RIG NAME & NUMBER				
	PD 829				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	4.3		3104-3210		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	915 PM		900 PM		
STATE, ZIP	TIME LEFT LOCATION				
	330 AM				

## WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
13 3/4		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT
645		
CASING SIZE	TUBING WEIGHT	OPEN HOLE
9 5/8		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA
636		
CASING WEIGHT	PACKER DEPTH	
36 lb		

CASING CONDITION: Good

Max Rate:           

Max Pressure:           

## Cement Makeup

Cement Blend	BFNIP 30% BCC-1 2516 BFLA1		
Cement - Specs	lbs	Yield	Water Requirements
	1512	1.27	5.89
Annulus Factor	Capacity Factor		
.5259	.0773		

## TYPE OF TREATMENT

☒ Surface Pipe ☐ Production ☐ Squeeze  
☐ MISC Pump ☐ P&A

HYD HHP = RATE X PRESSURE / 40.8

% Excess: 20.90  
BBL to Pit: 10

## DESCRIPTION OF JOB EVENTS

safety meeting MFRU Pressure test Per company man circulate 50 bbls ahead with Dye in 2nd 10 mix + Pump 348 gals cement at 30% excess drop plug + Displace 46.2 bbls H2O bump plug at 150 PSI above 1.1 ft Pressure Hold 5 min Release pressure Pressure test Casing to 1000 lbs for 15 min Release Pressure wash up Rig down

X K. Lohr  
Authorization To Proceed

Title

X 9-27-13  
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.