



# BISON

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

## Invoice

Date	Invoice #
8/30/2013	12454

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Wahlert AC23-68HN	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	351	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	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	

# 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

12454  
71-80  
Kirk

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
8-30-13	Wichita #23-68-11N	23	7N	63W	Weld
BILL TO	CONSULTANT				
Woble	John Taylor				
OWNER	RIG NAME & NUMBER				
	Ensign 121				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3214		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	9:00pm		8:00pm		
STATE, ZIP	TIME LEFT LOCATION				
	1:00pm				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFNTR 340 BCCA-1, 25 lbs per LBFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
722			1512	1.27	5.89
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			5258	10773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
712			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> MISC Pump <input type="checkbox"/> Production <input type="checkbox"/> P&A <input type="checkbox"/> Squeeze		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
36 lb					
CASING CONDITION	Good				
Max Rate					
Max Pressure					
% Excess	10%				
BBL to Pit	8 BBLs				

## DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PSI test, Perforation rig 50 BBS RELH20 2nd row/270, min & Pump 4/14  
SKS cement at 30% Excess at 1.27 yield at 1512 lbs or until stopped by cement Release Plug  
Disp 52 BBS H2O Bump Plug at 150 PSI over Lift PSI wait 5 min Release PSI wash  
up Rig Down

X   
Authorization To Proceed

Title

X 8-30-13  
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.