



# BISON

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

## Invoice

Date	Invoice #
4/7/2013	11890

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rummer PCLE 23-65-1HN	Net 30	Surface Pump		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			1,400.00
Discount 15%	Discount 15%				-210.00
MILEAGE	Mileage charge	360			720.00
Discount 15%	Discount 15%				-108.00
Data Acquisition ...	Data Acquisition Charge	1			125.00
Discount 15%	Discount 15%				-18.75
HOURS	Wait Time	3			225.00
Service Charge	PSI Test	1			200.00
	Subtotal of Services				2,007.25
BFN III Winter ...	BFN III Blend	400	Sack		7,000.00
Discount 15%	Discount 15%				-1,050.00
KCL Mud Flush	(BHS 117)	5	qt		57.50
Discount 15%	Discount 15%				-8.63
Dye - 4880	Dye (Hot Pink 4880)	10	oz		150.00
Discount 15%	Discount 15%				-22.50
	Subtotal of Materials				6,317.87
					8,325.12

Please Remit Payment To:

Bison Oil Well Cementing, Inc.  
 P.O. Box 29671  
 Thornton, CO 80229

Subtotal	8,325.12
Sales Tax (2.9%)	241.53
<b>Total</b>	8,566.65
Balance	8,566.65

# 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

11890  
May 14-93  
Kirk

## TREATMENT REPORT

DATE 4-7-13	WELL NAME Pumper PCLE 23-65-14N	SECTION 23	TWP 8N	RGE 61W	COUNTY Weld
BILL TO Noble		CONSULTANT Justin			
OWNER		RIG NAME & NUMBER HEP 273			
MAILING ADDRESS		DISTANCE TO LOCATION		UNITS ON LOCATION 3123-3211	
CITY		TIME REQUESTED 4:30am		TIME ARRIVED ON LOCATION 2:00am	
STATE, ZIP		TIME LEFT LOCATION 11:30am			
WELL DATA					
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS			
TOTAL DEPTH 761	TUBING DEPTH	SHOTS/FT			
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE			
CASING DEPTH 751	TUBING CONDITION	TREATMENT VIA			
CASING WEIGHT 3616	PACKER DEPTH				
CASING CONDITION Good					
Max Rate					
Max Pressure					
		Cement Blend BFWD 3% BCLM, 25 lbs per sk BFLA-1			
		Cement - Specs lbs Yield Water Requirements 1512 1.27 5.89			
		Annulus Factor Capacity Factor .5258 .0773			
		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 14%			
		BBL to Pit 18			

## DESCRIPTION OF JOB EVENTS

Self-mixing, Rig up, PSI test, Per company 50 Bbls KCL H2O 2nd 10 w/ Dye, Mix Pump 454 SKs cement at 30% Excess at 1.27 yield at 1512 lbs, or until stopped by Coman Release Plug Disp 54.8 Bbls H2O, Pump Plug At 150 psc at Lift PSI with 5min Release PSI wash up Rig Down

X   
Authorization To Proceed

COMAN

Title

X 4-7-13  
Date