



BISON

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

Invoice

Date	Invoice #
7/16/2013	11827

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 USXAA23-66-III	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	380			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	Iron Inspection	1			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	670	Sack		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
Sugar	Sugar	100	lb		
	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

11827
 Wells Ranch
 Brad Kasinski

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
July 16 2013	USX AA-23-66-1 HN				
BILL TO	CONSULTANT				
OWNER	Noble Energy				
MAILING ADDRESS	RIG NAME & NUMBER		H&P 321		
	DISTANCE TO LOCATION	UNITS ON LOCATION			
	35.	4022/3104/4015/111			
CITY	TIME REQUESTED	TIME ARRIVED ON LOCATION			
	8:30	8:30			
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA			Cement Makeup			
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	Type 3 3%CCA 1/4 sk c/c/a/f/a/d/k		
13 3/4			Cement - Specs	lbs	Yield	Water Requirements
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		15.2	1.27	5.89
640.4			Annulus Factor	Capacity Factor		
CASING SIZE	TUBING WEIGHT	OPEN HOLE	.5258	.0773		
9 5/8			TYPE OF TREATMENT <input 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"/> BBL to Pit <input type="text"/>			
629.5						
CASING WEIGHT	PACKER DEPTH					
CASING CONDITION	Good					
Max Rate	5					
Max Pressure	1750					

DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting PSI test are lines to 1000 psi released PSI break
 Circulation pump 10 Fresh 10 dye 35 fresh Mt P 670 sks Drop plug
 dis 45.35 bbls of H₂O pumped plug to see if float hold release
 pressure then do a PSI test for casing to 1000 psi'

16 to the Pit

X _____
 Authorization To Proceed

WSS _____
 Title

x July 16 2013
 Date