



BISON

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

Invoice

Date	Invoice #
5/2/2013	11915

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	SLW Ranch State B12-62-111	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%				
HOURS	Wait Time	2			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	396	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%				
Sugar	Sugar	50	lb		
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal	
Sales Tax (2.5%)	
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 # 11915
 LOCATION 388+59
 FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
5-2-13	SLW Ranch State B12-62-111N	12	5N	64W	Weld
BILL TO	CONSULTANT				
Noble	Shane H. / Seth M				
OWNER	RIG NAME & NUMBER				
Noble	H&P Rig 326				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	21 miles		3106/3210		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	9:30 pm.		8:50 pm.		
STATE, ZIP	TIME LEFT LOCATION				
	3:30 AM				

WELL DATA

Cement Makeup

HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFN III 3% BCCA-1.25 W/SK BFLA-1		
13 3/4			Cement - Specs	lbs	Yield	Water Requirements
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		15.2	1.27	5.89
643			Annulus Factor	Capacity Factor		
CASING SIZE	TUBING WEIGHT	OPEN HOLE	.5259	.0773		
9 5/8			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			
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	HYD HHP = RATE X PRESSURE / 40.8			
634.35			% Excess <u>40</u>			
CASING WEIGHT	PACKER DEPTH		BBL to Pit <u>12</u>			
36 lb.						
CASING CONDITION	<u>Good</u>					
Max Rate	<u>7</u>					
Max Pressure	<u>2500</u>					

DESCRIPTION OF JOB EVENTS

Miru, Safety meeting, Psi check to 500 Psi, Circ 40 bbls H₂O with KCL + Pink Dye x 16 in 2" 10 bbls, Mix + pump tell good Dye is seen at 15.2 lbs, 1.27 yield, Drop plug, Displace 45.7 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min, Then bleed off Psi, Washup, Rig down

X 1/6/13
 Authorization To Proceed

Wellsite Supervisor
 Title

X 5-2-13
 Date