



BISON

Invoice

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

Date	Invoice #
8/26/2013	12422

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 USXAA27-69-1H1	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			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	337	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 (2.8%)	
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

12422
 Wells Ranch
 Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
8-26-13	Wells Ranch USX H#27-67-1100	27	6N	63W	Weld
BILL TO	CONSULTANT				
Noble	Cliff				
OWNER	RIG NAME & NUMBER				
Noble	H&P Rig 277				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	31 miles		3106/3211		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	5:30 p.m.		4:45 p.m.		
STATE, ZIP	TIME LEFT LOCATION				
	11:30 p.m.				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFN 3% BCCA-1.2511/5K BFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
608				15.2	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5259	.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
601.76			<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 WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
36 lb.			% Excess <input type="text" value="20"/> BBL to Pit <input type="text" value="15"/>		
CASING CONDITION	<input type="text" value="Good"/>				
Max Rate	<input type="text" value="7"/>				
Max Pressure	<input type="text" value="2500"/>				

DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting, Psi Test to 1000 Psi, Circ 40 bbls H₂O with KCL + Dye x 16 in 2nd 10 bbls Mix + pump tell good dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace 43.2 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. then bleed off Psi, then do casing Psi test to 1000 Psi for 15 min. then bleed off Psi, Washup, Rig down,

X Martin Colony
 Authorization To Proceed

Title

X 8-26-13
 Date