



BISON

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

Invoice

Date	Invoice #
8/15/2013	12501

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rohn Rhon State LD04-64-1HN	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	210			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	455	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
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

1250/
129+109
nate

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
8-15-13	Rhon state LD0464-1110	4	-9N	58W	wald
BILL TO	CONSULTANT				
noble	miche				
OWNER	RIG NAME & NUMBER				
	H+P 273				
MAILING ADDRESS	DISTANCE TO LOCATION	UNITS ON LOCTION			
		3103 - 320			
CITY	TIME REQUESTED	TIME ARRIVED ON LOCATION			
	1000pm	930pm			
STATE, ZIP	TIME LEFT LOCATION				
	2:15				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFN #3% BCC-1, 2516 BFLA-		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs		
1230			lbs Yield Water Requirements		
			13.1 - 15.2 1.69 - 1.27 8.64 - 5.89		
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor		
9 5/8			.5259		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	Capacity Factor		
1220			10773		
CASING WEIGHT	PACKER DEPTH				
36					
CASING CONDITION					
Good					
Max Rate					
5.3					
Max Pressure					
7000					
			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		
			20 on lead		
			BBL to Pit		
			9		

DESCRIPTION OF JOB EVENTS

8:45 meeting mFRU Pressure test Per Company man circulate
40 bbls Ahead mix + Pump 355 sks lead at 1.69 yield 8.64 H₂O
100 sks 1.27 yield 5.89 H₂O Drop plug + Disp 100 bbls H₂O
Bump plug at 150 lbs Above 1-ft Pressure Release Plug
wash up Rig down

X Authorization To Proceed

USS Title

X 8-15-13 Date