



BISON

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

Invoice

Date	Invoice #
9/7/2013	12458

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rhon State LD04-62HIN	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	420			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	466	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	3	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	oz		
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 (2.8%)

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

12458
127-110
Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
9-7-13	Rein state LD 04-67 HAW	4	9N	58W	weld
BILL TO	CONSULTANT				
Wade	Mike D / Eric				
OWNER	RIG NAME & NUMBER				
	HCP 273				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3203		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	9:00pm		9:00pm		
STATE, ZIP	TIME LEFT LOCATION				
	1:15am				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BSNTH 3% BCLH 1.25 lbs per SK BFLH-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
1228			13.1 / 15.2	1.69 / 1.127	8.69 / 589
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			1.5258	1.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
1211			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> MISC Pump <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> P&A		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
3615					
CASING CONDITION	Good				
Max Rate					
Max Pressure					
% Excess	20%				
BBL to Pit	10 BBLs				

DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PSI test, Perforation circ 30 BBLs KCL H₂O, mix Pump Load cement 366 SKs at 13.1 lbs at 1.69 yield mix Pump Tail cement 152 lbs at 1.27 yield 100 SKs Release Plug Disp 90.4 BBLs H₂O, Pump Plug At 150 PSI over Lift PSI, washed Rig Down

X
Authorization To Proceed

Title

X 9-7-13
Date

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.