



BISON

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

Invoice

Date	Invoice #
7/11/2013	12374

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Rohn State L.D 04-66HN	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	504	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

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 #

12374

LOCATION

127+110

FOREMAN

Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
7-13-13	Bhon's ledge (Dol 664W)	4	9N	58W	weld
BILL TO	CONSULTANT				
noble	lance				
OWNER	RIG NAME & NUMBER				
	HAP 273				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103 + 3205		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	1130 Am		1145		
STATE, ZIP	TIME LEFT LOCATION				
	400 Pm				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFN # 370 BSC-1 .2516 BFLA-1	
13 3/4			Cement - Specs	lbs	Yield
				13.1 - 15.2	1.69 - 1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
1199			.5258	.0773	
CASING SIZE	TUBING WEIGHT	OPEN HOLE			
9 5/8					
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
1190			<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			% Excess <u>20</u> BBL to Pit <u>23</u>		
CASING CONDITION	Good				
Max Rate					
Max Pressure					

DESCRIPTION OF JOB EVENTS

safety meeting Rig up Pressure test Per Company man Circ 30 bbls
kel H2O 2nd 10 with Dye mix + Pump lead cement @ 20% excess
@ 1.69 yield at 13.1 lb 404 SKS mix + Pump tail cement 100 SKS @
15.2 lb @ 1.27 yield Release Plug Disp 88.5 bbls H2O Pump
Plug 150 lbs over 1. ft Press wait 5 min Release Pressure Wash up Rig down

X JR
Authorization To Proceed

Title

X 7-11-13
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.