



BISON

Invoice

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

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 Statc 1.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				

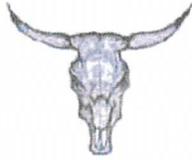
Please Remit Payment To:

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 #

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LOCATION

127+110

FOREMAN

Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
7-17-13	Bhon's hole (D.O. 661W)	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		
	11:30 Am		1145		
STATE, ZIP	TIME LEFT LOCATION				
	4:00 Pm				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFN # 370 BSC-1 .2516 BFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
1199			13.1 - 15.2	1.69 - 1.27	8.64 - 5.89
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5258	.0773	
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		
CASING CONDITION	Good		BBL to Pit		
Max Rate			20		
Max Pressure			23		

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 13.1lb .404 sks mix + Pump tail cement 100 sks @
 15.2lb @ 1.27 yield Release Plug Disp 88.5 bbls H2O Pump
 Plug 150lbs over 1-ft Press wait 5 min Release Pressure wash up Rig down

X J.R.
 Authorization To Proceed

 Title

X 7-11-13
 Date