



BISON

Invoice

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

Date	Invoice #
9/6/2013	12456

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Loeffler K1-69-IHN	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			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	386	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	oz		
Discount 15%	Discount 15%				
	Subtotal of Materials				

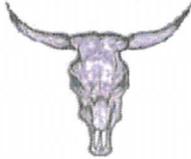
Please Remit Payment To:

Bison Oil Well Cementing, Inc.
 P.O. Box 29671
 Thornton, CO 80229

Subtotal	
Sales Tax (2.9%)	
Total	
Balance D	

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

12456
 394-35
 Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
9-6-13	Loeffler K165-1122	1	4N	66W	Weld
BILL TO	CONSULTANT				
Woble	S.W.				
OWNER	RIG NAME & NUMBER				
	PD 829				
MAILING ADDRESS	DISTANCE TO LOCATION			UNITS ON LOCATION	
				3103-3203	
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	12:00pm		10:30pm		
STATE, ZIP	TIME LEFT LOCATION				
	3:00pm				

WELL DATA

Cement Makeup

HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFM III 3% BCLH .25lbs per lb BFLA-1		
13 3/4			Cement - Specs	lbs	Yield	Water Requirements
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		152	1127	5.89
644			Annulus Factor	Capacity Factor		
CASING SIZE	TUBING WEIGHT	OPEN HOLE	15258	1073		
9 5/8			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			
CASING DEPTH	TUBING CONDITION	TREATMENT VIA				
638						
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8 % Excess <u>36%</u> BBL to Pit <u>16 BBLs</u>			
3615						
CASING CONDITION	<u>Good</u>					
Max Rate						
Max Pressure						

DESCRIPTION OF JOB EVENTS

SAFETY meeting, Rig up, PSI test, Per roman circ 50 BBLs KCLH2O and 10 gal Dye, mix Pump 367
 sls cement at 30% Excess at 1127 yield at 152 lbs or until stopped by roman, Release Pkg
 Disp 46.2 BBLs H2O Pump Pkg At 150 PSI over List PSI with 5 min Release PSD
 washup Rig down

X [Signature]
 Authorization To Proceed

WSS
 Title

X 9-6-13
 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.