



BISON

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

Invoice

Date	Invoice #
9/26/2014	12087a

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Mecklenburg St.LD01-72-1A	Net 30	Annular Fill		
Item	Description	Qty	U/M	Rate	Amount
Pump Charge-Ot...	Pump Charge-Other	1			
MILEAGE	Mileage charge	534			
Data Acquisition ...	Data Acquisition Charge	1			
	Subtotal of Services				
Type G Cement	Type G Cement	615			
Sugar	Sugar	50	lb		
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal	
Sales Tax	
Total	
Balance	

1547 Gaylord Street
Denver, Colorado 80206
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



Nº 12087

WELL NO. AND FARM Kuhn #1		COUNTY Weld	STATE CO	DATE 9-26-14	
CHARGE TO Voble		WELL LOCATION SEC. 1 TWP. 9N RANGE 586W		CONTRACTOR Truepoint 215	
		DELIVERED TO CR 116 & CR 133		LOCATION 1 Shop	CODE
		SHIPPED VIA 4031-3116, 4034-3205		LOCATION 2 133 & 116	CODE
		TYPE AND PURPOSE OF JOB Annular fill		LOCATION 3 Shop	CODE
				WELL TYPE	CODE

PRICE REFERENCE	DESCRIPTION	UNITS		UNIT PRICE	AMOUNT
		QTY.	MEAS.		
	Pump Charge	1	Gn		
	Near G	615	Dia		
	Milggs 150 per mile 800000 1200000	934	Wt		
	Data Acq	1	EA		
	Sugar	50	Lb		
<div style="border: 1px solid black; padding: 5px;"> <p>Mecklenburg State</p> <p>Well Name and No. LD 01-72-LAHN</p> <p>Project / Aff yr 200187</p> <p>Tech 970.10/17</p> <p>Appr</p> <p>APPROVED ERICH ZIMMERS</p> </div>					
	Total Weight				
	Loaded Miles				
			Ton Miles		

If this account is not paid within 30 days of invoice date a FINANCE CHARGE will be made. Computed at a single monthly rate of 1 1/4% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

TAX REFERENCES

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

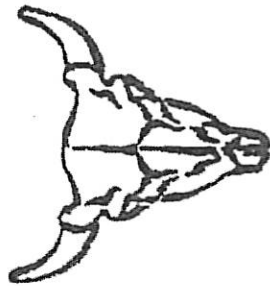
TOTAL

SUBJECT TO CORRECTION

Customer or His Agent

Elson Oil Well Cementing, Inc. Representative

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.



Bison Oil Well Cementing

Customer: NOBLE

Well Name: KUHN #1

Invoice # 12087

API# 05-123-05731

Foreman: JASON

County: Weld

State: Colorado

Sec: 1

Twp: 9N

Range: 58W

Consultant: ERIC

Rig Name & Number: TRUE POINT 215

Distance To Location: 89

Units On Location: 3

Time Requested: 900

Time Arrived On Location: 950

Time Left Location: 1450

Balanced Plug Drill Pipe

Well Data

Density lb/gal 15.8
Yield 1.15
H2O gal/sk 5
Drill Pipe Size 2.875
Drill Pipe Weight 4.85
Drill Pipe Depth 3205
Open Hole Diameter 10
Top of Plug 2245
Bottom of Plug 3205
Open Hole Total Depth
Height of Plug 1000 ft
ID #N/A
Annulus 0.0238 bbl

Height of Cement In Annulus
Height of Cement in String
OH Coverage

bbls of Spacer Ahead

Note
-Minimum of 3bbls 350 ft Spacer Ahead Cement

Mud displacement

Mud Displacement ft

(Total length of workstring) - (length of cement in workstring) - (length of spacer inside drill pipe)

(Drill Pipe Depth X (ID of workstring squared) X .0009714 = bbls of mud displacement

X 
Authorized To Proceed

Customer hereby acknowledges and specifically agrees to the terms and condition on this work order, including, without limitation, the provisions on this work order.

Total bbls of Slurry 125.9000 bbls

.005454 X (diameter) squared of open hole X Length of Plug

Workstring: ID Squared X .005454 #N/A ft3/ft

Annulus: 0.5003 ft3/ft
(Open Hole Diameter Squared - Casing Size Squared) X .005454 0.0238 bbl

Height of Plug in WS #N/A ft3
ft3 of Slurry / WS + AV

Sacks Needed: 615.0000 sk
cuft of Slurry/Cement Yield

bbls Mix Water 73.2000 bbls
(H2O X SKS) / 42 gal

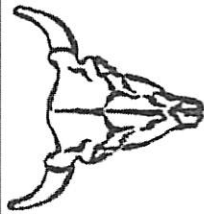
Gal/sk Mix Water 3074.4000 gal/sk
bbls X 42 gal

Spacer Ahead Cement: 10.0000 bbls
420.168 ft

Spacer Behind Cement: 13.0000 bbls
#N/A ft

bbls spacer behind cement

Drill Pipe Size Squared X .0009714 X ft of Spacer Ahead



Bison Oil Well Cementing
Single Cement Surface Pipe

INVOICE #
LOCATION
FOREMAN
Date

12087
Weld County
JASON
9/26/2014

Customer
Well Name

NOBLE
KUHN #1

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

	Safety Meeting MIRU CIRCULATE Drop Plug M & P Time	1050 950 1109	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
			BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI
			0	1123	140	0	1321	120	0			0			0		
			10	1126	60	10			10			10			10		
			20	1128	70	20			20			20			20		
			30			30			30			30			30		
			40			40			40			40			40		
			50			50			50			50			50		
			60			60			60			60			60		
			70			70			70			70			70		
			80			80			80			80			80		
			90			90			90			90			90		
			100			100			100			100			100		
			110			110			110			110			110		
			120			120			120			120			120		
			130			130			130			130			130		
			140			140			140			140			140		
			150			150			150			150			150		
% Excess		381%	120														
Mixed bbls		73.2	130														
Total Sacks		615	140														
bbl Returns			150														
Water Temp		69															

Notes:

The day

PRESSURE TEST TO 1500 PSI AT 1106, PUMPED 10 BBL WATER AT 1109, MIXED AND PUMPED 100 SKS, 100 SKS AT 15.8, 20.4 BBL AT 1115, DISPLACED 13

BBL AT 1123, SHUT DOWN AT 1128, RIG PULL UP TO 840', PUMPED 13 BBL WATER AT 1227, MIXED AND PUMPED 515 SKS AT 15.8, 105.4 BBL AT 1233,

DISPLACED 1 BBL AT 1321, SHUT DOWN AT 1321

[Signature]

X Foreman

X 9/26/14
Date

Work Performed