



BISON

Invoice

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

Date	Invoice #
12/4/2014	72033

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	BURTON K25-69-1HNL	Net 30	Annular Fill		
Item	Description	Qty	U/M	Rate	Amount
Pump Charge-Ot...	Pump Charge-Other	1			
MILEAGE	Mileage charge	4			
MILEAGE	Mileage charge	8			
Data Acquisition ...	Data Acquisition Charge	1			
Service Charge	Supervisor Charge	1			
Service Charge	Iron Inspection	1			
Depth Charge	Depth Charge	2			
HOURS	Wait Time	2			
	Subtotal of Services				
Type G Cement	Type G Cement	399	Sack		
Sugar	Sugar	150	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



Bison Oil Well Cementing

Invoice # 72033

API# 05-123-131

Foreman: AARON

Date 12/4/201

Customer: NOBLE

Well Name: SCHMIDT AMOCO UPRR 44-23

County: Weld

State: Colorado

Sec: 23

Twp: 4N

Range: 66W

Consultant: SCOTT

Rig Name & Number: LEED # 725

Distance To Location: 2-MILLES

Units On Location: 3101-4029=108-3206-4019

Time Requested: 8:30AM

Time Arrived On Location: 8AM

Time Left Location:

Plug Job

Well Data

OD Inches	2.375	
String Weight Per ft	4.7	
First Plug Sacks	200	
First Plug Depth	4873	
Second Plug Sacks	199	
Second Plug Depth	500	
Third Plug Sacks		
Third Plug Depth		
Fourth Plug Sacks		
Fourth Plug Depth		
ID	1.995	
First Plug Displacement	18.8400	bbl
Second Plug Displacement	1.9331	bbl
Thirst Plug Displacement	0.0000	bbl
Fourth Plug Displacement	0.0000	bbl
bbls of Spacer Ahead	5	bbls

bbls of Slurry

First Plug bbls of Slurry	40.9630 bbls
Second Plug bbls of Slurry	40.7582 bbls
Third Plug bbls of Slurry	0.0000 bbls
Fourth Plug bbls of Slurry	0.0000 bbls

First Plug Cement Data

Cement Name:	neat g
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

Second Plug Cement Data

Cement Name:	Neat g
Cement Density (lb/gal) :	15.8
Cement Yield (cuft) :	1.15
Gallons Per Sack:	5.00

Third Plug Cement Data

Cement Name:	neat g
Cement Density (lb/gal) :	
Cement Yield (cuft) :	
Gallons Per Sack:	

Fourth Plug Cement Data

Cement Name:	
Cement Density (lb/gal) :	
Cement Yield (cuft) :	
Gallons Per Sack:	

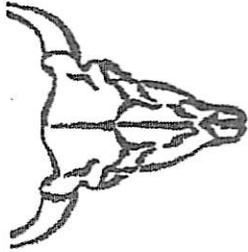
Displacement Fluid lb/gal:	8.3
Fluid Ahead (bbls):	15.0
H2O Wash Up (bbls):	20.0

bbls of Mix Water

First Plug bbls Mix Water	23.8095 bbls
Second Plug bbls Mix Water	23.6905 bbls
Third Plug bbls Mix Water	0.0000 bbls
Fourth Plug bbls Mix Water	0.0000 bbls

Scott Trumbler
 X _____
 Authorized To Proceed

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



**Bison Oil Well Cementing
Single Cement Surface Pipe**

INVOICE # 72033
 LOCATION Weld
 FOREMAN AARON
 Date 12/4/2014

Customer NOBLE
 Well Name SCHMIDT AMOCO UPRR 44-23

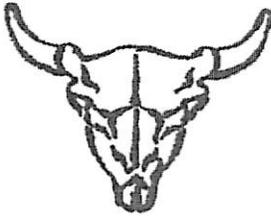
Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

	Time	Displace 1		Displace 2		Displace 3		Displace 4		
		BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI
Safety Meeting	9:15AM									
MIRU	8:10AM	0			0			0		
CIRCULATE	9:26AM	10			10			10		
CIRCULATE	11:19AM	20			20			20		
CIRCULATE		30			30			30		
CIRCULATE		40			40			40		
		50			50			50		
		60			60			60		
		70			70			70		
		80			80			80		
		90			90			90		
		100			100			100		
		110			110			110		
		120			120			120		
		130			130			130		
		140			140			140		
		150			150			150		
M & P										
	Time	Sacks								
First Plug	9:30AM	202								
Second Plug	11:23AM	197								
Third Plug		#DIV/0!								
Fourth Plug		#DIV/0!								
First Plug	24									
Second Plug	23.5									
Third Plug										
Water Temp	49									
Notes:										

X _____ X _____
 Title Date

Work Performed



Bison Oil Well Cementing Single Cement Surface Pipe

Cementing Customer Satisfaction Survey

Service Date	12/4/2014
Well Name	CHMIDT AMOCO UPRR 44-2
County	Weld
State	Colorado
SEC	23
TWP	4N
RNG	66W

Invoice Number	72033
API #	05-123-13881
Job Type	Plug
Company Name	NOBLE

Customer Representative: SCOTT

Supervisor Name: AARON CARRASCO

Employee Name (Including Supervisor)
AARON CARRASCO
TIVO TREJO
OSCAR NEVAREZ

Exposure Hours (Per Employee)
2
2
2
6

Total Exposure Hours

Did we encounter any problems on this job? Yes No

To Be Completed By Customer

Rating/Description

- 5 - Superior Performance (Established new quality/performance standards)
 - 4 - Exceeded Expectation (Provided more than what was required/expected)
 - 3 - Met Expectations (Did what was expected)
 - 2 - Below Expectations (Job problems/failures occurred - *Recovery made)
 - 1 - Poor Performance (Job problems/failures occurred - *Some recovery made)
- *Recovery: resolved issue(s) on jobsite in a timely and professional manner

RATING	CATEGORY	CUSTOMER SATISFACTION RATING
5	Personnel -	Did our personnel perform to your satisfaction?
5	Equipment -	Did our equipment perform to your satisfaction?
5	Job Design -	Did we perform the job to the agreed upon design?
5	Product/Material -	Did our products and materials perform as you expected?
5	Health & Safety -	Did we perform in a safe and careful manner (Pre/post mtgs, PPE, TSMR, etc..)?
5	Environmental -	Did we perform in an environmentally sound manner (spills, leaks, cleanup, etc..)?
5	Timeliness -	Was job performed as scheduled (On time to site, accessible to customers, completed when expected)?
5	Condition/Appearance -	Did the equipment condition and appearance meet your expectations?
5	Communication -	How well did our personnel communicate during mobilization, rig up and job execution?

Please Circle:

- | | | |
|-----|----|--|
| Yes | No | Did an accident or injury occur? |
| Yes | No | Did an injury requiring medical treatment occur? |
| Yes | No | Did a first-aid injury occur? |
| Yes | No | Did a vehicle accident occur? |
| Yes | No | Was a post-job safety meeting held? |

Please Circle:

- | | | |
|-----|----|--------------------------------------|
| Yes | No | Was a pre-job safety meeting held? |
| Yes | No | Was a job safety analysis completed? |
| Yes | No | Were emergency services discussed? |
| Yes | No | Did environmental incident occur? |
| Yes | No | Did any near misses occur? |

Additional Comments:

THE INFORMATION HEREIN IS CORRECT -

X Scott Trumble
Customer Representative's Signature

DATE: 12-4-14

Any additional Customer Comments or HSE concerns should be described on the back of this form

WATER QUALITY ANALYTICAL RESULTS

8/13/2013

ROHN 9060180

Noble Energy Inc.

Analyte	Sample Results	Drinking Water Standards	
		Primary Standard	Secondary Standard
Hydrocarbons			
Benzene	<0.0010 (mg/l)	0.005	--
Toluene	<0.0020 (mg/l)	0.56	--
Ethylbenzene	<0.0020 (mg/l)	0.7	--
Total Xylenes	<0.0030 (mg/l)	1.4	--
TPH - GRO	<0.20 (mg/l)	--	--
TPH - DRO	<0.20 (mg/l)	--	--
Dissolved Gasses			
Dissolved Methane	<0.00080 (mg/l)	--	--
Dissolved Ethane	<0.0016 (mg/l)	--	--
Dissolved Propane	<0.018 (mg/l)	--	--
Bacteria (CFU/mL)			
Iron Reducing Bacteria	2300 (CFU/ml)	--	--
Slime Forming Bacteria	6500 (CFU/ml)	--	--
Sulfate Reducing Bacteria	1200 (CFU/ml)	--	--
General Water Quality Parameters			
Barium	0.0545 (mg/l)	2.0	--
Boron	0.115 (mg/l)	--	--
Calcium	79.2 (mg/l)	--	--
Iron	0.0231(mg/l)	--	0.3
Magnesium	23.1 (mg/l)	--	--
Manganese	<0.0005(mg/l)	--	0.05
Phosphorus	0.037 (mg/l)	--	--
Potassium	12.7 (mg/l)	--	--
Selenium	0.00420 (mg/l)	0.05	--
Sodium	101 (mg/l)	--	--
Strontium	1.13 (mg/l)	--	--
Total Alkalinity	303 (mg/l)	--	--
Bicarbonate	303 (mg/l)	--	--
Carbonate	<5.0 (mg/l)	--	--
pH (SU)	7.52 (su)	--	6.5 - 8.5
Specific Conductance (umhos/cm)	869 (umhos/cm)	--	--
TDS	656 (mg/l)	--	500
Bromide	0.12 (mg/l)	--	--
Chloride	9.0 (mg/l)	--	250
Fluoride	0.63 (mg/l)	4.0	--
Nitrate as Nitrogen	1.7 (mg/l)	10.0	--
Nitrite as Nitrogen	<0.0080 (mg/l)	1.0	--
Sulfate	189 (mg/l)	--	250

Notes:

All sample results and drinking water standards are in milligrams per liter (mg/L) unless noted otherwise

< - Less than stated laboratory reporting limit

-- No standard for the selected analyte

umhos/cm - micromhos per centimeter

SU - Standard Units

TDS - Total Dissolved Solids

DRO - Diesel Range Organics

GRO - Gasoline Range Organics

CFU/mL - Colony Forming Units per milliliter

Primary Standards are maximum contaminant levels (MCLs) for public water systems. They do not apply to private wells, but are presented as a guide to water quality.

Secondary Standards are guidelines for contaminants that may cause cosmetic effect or aesthetic effects in drinking water.

The source of drinking water standards is the Colorado Department of Public Health and Environment.

There is no drinking water standard for dissolved methane. The threshold limit established by the Colorado Oil and Gas Conservation Commission for additional analysis is 1 mg/L.