



BISON

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

Invoice

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 Due



Bison Oil Well Cementing

Customer: NOBLE
Well Name: SCHMIDT AMOCO UPRR 44-23

Invoice # 72033
API# 05-123-131
Foreman: AARON
Date 12/4/201

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

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.



INVOICE #
LOCATION
FOREMAN
Date

72033	Weld	AARON	2/4/201
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Customer	Well Name
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NOBLE
SCHMIDT AMOCO UPRR 44-23

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

[illegible]

Notes:

X

X	Title
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X	Date
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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

Personnel -
Equipment -
Job Design -
Product/Material -
Health & Safety -
Environmental -
Timeliness -
Condition/Appearance -
Communication -

CUSTOMER SATISFACTION RATING

Did our personnel perform to your satisfaction?
Did our equipment perform to your satisfaction?
Did we perform the job to the agreed upon design?
Did our products and materials perform as you expected?
Did we perform in a safe and careful manner (Pre/post mtgs, PPE, TSMR, etc.)?
Did we perform in an environmentally sound manner (spills, leaks, cleanup, etc.)?
Was job performed as scheduled (On time to site, accessible to customers, completed when expected)?
Did the equipment condition and appearance meet your expectations?
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.