



BISON

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

Invoice

Date	Invoice #
2/19/2014	12512

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

→ Bradbury 1 API 07362

Location	Well Name & No.	Terms	Job Type		
Weld CO	Castor Fed LD15-74HN	Net 30	P/A		
Item	Description	Qty	U/M	Rate	Amount
P & A	P & A	1			
MILEAGE	Mileage charge-Truck	316			
Service Charge	Iron Inspection	1			
Service Charge	Supervisor Fee	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	230	Sack		
Sugar	Sugar	100	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

1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



Nº 12512

WELL NO. AND FARM 01 Brad Bery API 0736		COUNTY Giveld	STATE Colorado	DATE 3-14-14
CHARGE TO Noble		WELL LOCATION SEC. 15 TWP. 9N RANGE 58W		CONTRACTOR
Custor Fed LD-15-74 HN		DELIVERED TO CR 129 / North New Farmer	LOCATION 1 CR 129	CODE
		SHIPPED VIA 31064023-4001-3206	LOCATION 2 CR 129	CODE
		TYPE AND PURPOSE OF JOB Plug and Abandon	LOCATION 3 Lasalle	CODE
			WELL TYPE Oil	CODE

[illegible]

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 1/2% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

TAX REFERENCES

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

Customer or His Agent

Ron Camacho
Bison 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: bradberry 01

Invoice # 12512
API# 05-123-07362
Foreman: Aaron
Date 2/19/2014

County: Weld
State: Colorado
Sec: 15
Twp: 9n
Range: 58w

Consultant: chuck
Rig Name & Number: select #11
Distance To Location: 78 miles
Units On Location: 4023 3101 3206 4021
Time Requested: 8:00 AM
Time Arrived On Location: 8am
Time Left Location:

Plug Job

Well Data

OD Inches	2.875	
String Weight Per ft	6.5	
First Plug Sacks	0	
First Plug Depth	1152	
Second Plug Sacks	0	
Second Plug Depth	0	
Third Plug Sacks	0	
Third Plug Depth	0	
Fourth Plug Sacks	0	
Fourth Plug Depth	0	
ID	2.441	
First Plug Displacement	6.6679	bbl
Second Plug Displacement	0.0000	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	0.0000 bbls
Second Plug bbls of Slurry	0.0000 bbls
Third Plug bbls of Slurry	0.0000 bbls
Fourth Plug bbls of Slurry	0.0000 bbls

First Plug Cement Data

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

Second Plug Cement Data

Cement Name: BFN III
Cement Density (lb/gal) : 13.1
Cement Yield (cuft) : 1.69
Gallons Per Sack: 8.60

Third Plug Cement Data

Cement Name: BFN III
Cement Density (lb/gal) : 0.0
Cement Yield (cuft) : 0
Gallons Per Sack: 0.00

Fourth Plug Cement Data

Cement Name: BFN III
Cement Density (lb/gal) : 0.0
Cement Yield (cuft) : 0
Gallons Per Sack: 0.00

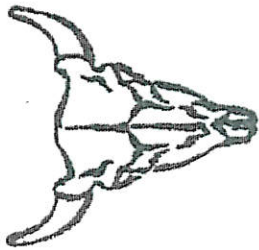
Displacement Fluid lb/gal: 8.3
Fluid Ahead (bbls): 15.0
H2O Wash Up (bbls): 20.0

bbls of Mix Water

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

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 #
LOCATION
FOREMAN
Date

12512
Weld
Aaron
2/19/2014

Customer
Well Name

noble
bradbery 01

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

		Displace 1			Displace 2			Displace 3			Displace 4		
		BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI
Safety Meeting	9 18 am	0			0			0			0		
MIRU	8 20 am	10			10			10			10		
		20			20			20			20		
CIRCULATE	9 40 am	30			30			30			30		
CIRCULATE		40			40			40			40		
CIRCULATE		50			50			50			50		
		60			60			60			60		
		70			70			70			70		
		80			80			80			80		
		90			90			90			90		
		100			100			100			100		
		110			110			110			110		
		120			120			120			120		
		130			130			130			130		
		140			140			140			140		
		150			150			150			150		

M & P

Time	Sacks
9 43 am	230
	#DIV/0!
	#DIV/0!

Mixed bbls

First Plug	47
Second Plug	0
Third Plug	0
Fourth Plug	0
Water Temp	0

Notes:

X

X

X

Work Performed

Title

Date

**BISON****BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET**

ASK: Plug and Abandon		CEMENTER/SUPERVISOR: Aaron Carrasco		PAGE 1 OF 3
NAME: bradbery01		RIG # select # 11	LOCATION: cr-129 - n new railmer	DATE: 2-19-14
ATTOR:noble		CONSULTANT: chuck	INVOICE # 12512	

EQUIRED: <input type="checkbox"/> FR Coveralls <input type="checkbox"/> Hard Hat <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Steel Toe Boots <input type="checkbox"/> Impact Gloves <input type="checkbox"/> Reflective Vest	ADDITIONAL PPE (based on job specific hazards) <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Chemical Resistant Clothing <input type="checkbox"/> Air Purifying Respirator <input type="checkbox"/> Supplied Air Respirator <input type="checkbox"/> Personal H2S Monitor <input type="checkbox"/> Personal Methane Monitor	REVIEWED BY
POTENTIAL HAZARDS		RECOMMENDED ACTION OR PROCEDURE
JOB STEPS		
new JSA	Misunderstanding	Clarify job and associated hazards and safety concerns AC
induct pre job safety meeting	Misunderstanding	-Hold safety meeting with all personnel on location, ensure everyone pays attention to ensure they understand their role and responsibility during the job -Review treatment report with consultant and attain signature for authorization to proceed -Identify and address short service employees (SSE) who are on location -Verify method of relaying hand signals to rig crew for shutting down mud pump AC
ve trucks in and rig up equipment	Other traffic on location, overhead lines, pinch points, heavy lifting, slips/falls	-Coordinate with well site supervisor for directions on where and when to park the equipment -All Bison crew members walk the location prior to driving in to access specific hazards -Utilize spotters when trucks are in motion -Establish buffer zone around equipment utilizing cones and caution tape -Cementer follows up to ensure connections are secure -Lift with your legs and use teamwork when rigging up -Utilize reflective vests and wands to increase visibility at night -Deploy spill berms and buckets -Verify connections on mudline for compatibility AC
ie hose to rig floor	Overhead work, improper hook up/load not properly secured, miscommunication between ground personnel and the crane/tugger operator	Inspect chains, slings, hooks prior to lift -Ensure line of sight with crane/tugger operator is maintained throughout the lift and hand signals are clarified before the lift. -Ensure no personnel are under suspended loads -Utilize tag line ACAC
ach swage to tubing/Connect to swage on pipe	Connections/equipment failing under pressure, spills, slips and falls	-Insure swage has proper pressure rating for the job and falls within the parameters of the <i>Bison Oilwell Cementing Iron Inspection Program</i> -Verify the compatibility of the connections on a swage/pin provided by the rig -Minimize number of people on rig floor, utilize Bison personnel to attach cement lines -Be aware of surroundings when swinging a hammer
ssure test lines	Equipment failing under high pressures	ac
Test to:	Pressure relief valve set to:	
PSI- 500	PSI- 2000	
Maximum pressure allowed for job:	Max. pump pressure:	
PSI- 1000	PSI- 5000	



BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET

np Spacer/Mix and Pump tent	Serious injury from high pressure line failure or catastrophic equipment failure. Burns or skin irritation from splashing cement , uncontrolled spills	-Pressure test prior to job, utilize heavy duty hose hobbles and pressure relief valve -Keep rig floor and buffer area clear while pumping -Utilize proper PPE -Have access to water to rinse affected skin -Deploy spill berms and buckets	AC
placement	Unexpected pressure associated with resuming of pumping, serious injury from high pressure line failure catastrophic equipment failure, spills , overpressure of mudlines	-Ensure rig floor remains clear and non-essential personnel stay clear from buffer area -Pump operator monitors pump pressure constantly -Utilize proper PPE -During displacement ensure one mudline valve is always open -Review method of relaying hand signals to rig crew to engage/disengage mud pumps	AC
T STEPS 7 AND 8 AS REQUIRED			
sh up / rig down	Splashing cement slurry, heavy lifting, pinch points, unsecured hoses	-Utilize stakes or portable tank manifold to secure hoses -Use proper lifting technique (2 man lift, lift with legs, plan your route)	AC
part location	Other traffic and personnel and location, overhead lines	-All Bison crew member walk the planned exit route to access possible obstacles and hazards -Utilize spotter's while backing	AC
General Precautions/Stop Work -If you see a leaking connection, notify the cementer. Do not attempt to hammer up a leaking connection as there may be pressure on the lines. -Any person on location, regardless of their position or experience level has the authority and responsibility to stop the job if they witness an unsafe act or condition.			
R HAZARDS SPECIFIC TO LOCATION OR ONMENT NOT ADDRESSED ABOVE:			
NATED EMERGENCY MUSTER AREA:		NEAREST EMERGENCY MEDICAL FACILITY (OTHER THAN 911): sterling	
D COUNT-		ENTRANCE	



BISON
Oil Well Cementing Inc.

PRE TRIP CEMENT CALL OUT SHEET

INVOICE # 12572

DATE/TIME 2-19-14

WELL NAME _____

OPERATOR _____

CUSTOMER Noble

LOCATION/RIG Select # 11 129

DELIVERED TO _____

PRE CHECK CALL OUT

CHECK ITEMS	Supervisor Initials	Other Initials	BULK TRUCK DRIVER	Supervisor Initials	Other Initials
DRY SAMPLE #	AC		VACUUM BREAKER PORT CLEANED & INSPECTED & SPARE ON TRUCK	AC	
REQUIRED CEMENT CONNECTIONS	AC		WATER JET AT MIX HEAD REMOVED, INSPECTED & CLEANED	AC	
TYPE OF CEMENT	AC		CEMENTING HEAD INSPECTED & CLEANED	AC	
# OF LBS/SACKS	AC		MIX TUB INSPECTED & CLEANED	AC	
FLOAT EQUIPMENT	AC		CENTRIFUGALS GREASED, TIGHTENED & INSPECTED	AC	
BEGINNING FUEL	AC		DECK MOTORS STARTED	AC	
STARTING MILEAGE	AC		VERIFY ALL AIR VALVES ARE FUNCTIONAL	AC	
PERSONAL PROTECTIVE EQUIPMENT	AC		VERIFY ALL VALVES ARE FUNCTIONAL ON BULK TRUCK	AC	
DRIVING DIRECTIONS	AC		VERIFY BERMS ARE ON BULK TRUCK	AC	
DRIVERS LOGS UPDATED PRIOR TO LEAVING YARD	AC		VERIFY SPARE CEMENT HEAD IS ON BULK TRUCK	AC	
TRUCK PRE TRIP COMPLETED	AC		VERIFY 1" TUBING IS ON BULK TRUCK AND ADEQUATELY SECURED	AC	
ROCK CATCHERS REMOVED & CLEANED	AC		CHECK FOR ADEQUATE SUPPLY OF KCL, DYE AND <u>DEFOAMER</u>	AC	
VACUUM BREAKER REMOVED & CLEANED	AC		TOP OFF FUEL IN TRUCKS POST TRIP	AC	
VERIFY CORRECT POP OFF PIN IN PLACE	AC		VERIFY PARKING METER GAUGE IS ON TRUCK	AC	
VERIFY PRESSURE TRANSDUCERS ARE CLEAN OF CEMENT	AC		DRAIN AIR TANKS	AC	
CLEAN TRUCKS	AC				
TIGHTEN PACKING NUTS ON PLUNGERS	AC				

CEMENT HEAD CHECK LIST

	Supervisor Initials	Other Initials
THREADS		
VALVES		
PIN		

COMMENTS: _____



Bison Oil Well Cementing Single Cement Surface Pipe

Cementing Customer Satisfaction Survey

Service Date	2/19/2014
Well Name	bradbery 01
County	Weld
State	Colorado
SEC	15
TWP	9n
RNG	58w

Invoice Number	12512
API #	05-123-07362
Job Type	Plug
Company Name	noble

Customer Representative

Supervisor Name

Employee Name (Including Supervisor)
Aaron
Jairo
Jon

Exposure Hours (Per Employee)
3
3
3
9

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

Customer Representative's Signature

DATE: _____

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