

BISON OIL WELL CEMENTING, INC.

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



SERVICE INVOICE

№ 12627

| | | | | |
|--|--|---|---------------------------------------|-------------------------------|
| WELL NO. AND FARM <i>State of Colorado North 3225 CDH</i> | | COUNTY <i>ADAMS</i> | STATE <i>Colo.</i> | DATE <i>2-13-14</i> |
| CHARGE TO <i>Bill BARRETT</i> | | WELL LOCATION SEC. <i>36</i> TWP. <i>1N</i> RANGE <i>66W</i> | | CONTRACTOR <i>MAJOR 43</i> |
| DELIVERED TO <i>Piccadilly + 128th AVE</i> | | | LOCATION <i>1 Shop</i> | CODE |
| SHIPPED VIA <i>3106/3205</i> | | | LOCATION <i>2 Piccadilly + 128</i> | CODE |
| TYPE AND PURPOSE OF JOB <i>SURFACE PIPE</i> | | | LOCATION <i>3 Shop</i> | CODE |
| | | | WELL TYPE <i>GAS+Oil</i> | CODE |

| PRICE REFERENCE | DESCRIPTION | UNITS | | UNIT PRICE | AMOUNT |
|---|---|--------------|------------|------------|--------|
| | | QTY. | MEAS. | | |
| | <i>Pump Charge</i> | <i>1</i> | <i>EA.</i> | | |
| | <i>BFN 3% BCCA-1.25 16 1/2 k BF4A-1</i> | <i>552</i> | <i>SK.</i> | | |
| | <i>BCLY-1</i> | <i>3</i> | <i>QT.</i> | | |
| | <i>Pink Dye</i> | <i>16</i> | <i>OZ.</i> | | |
| | <i>TRUCK MILEAGE 400 mile 60 mile min ONE WAY</i> | <i>2</i> | <i>EA.</i> | | |
| | <i>PICKUP MILEAGE 1.50 mile 60 mile min ONE WAY</i> | <i>1</i> | <i>EA.</i> | | |
| | <i>DATA INT.</i> | <i>1</i> | <i>EA.</i> | | |
| <i>Colo STATE North 13-66W-536 3225 CDH</i> <i>AFE 09787</i> <i>CC 830130</i> | | | | | |
| | 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 1/2% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

TAX REFERENCES

Thanks Calvin

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

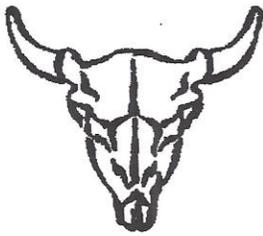
TOTAL

SUBJECT TO CORRECTION

Customer or His Agent

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 Tail & Lead

Date: 2/13/2014

Invoice # 12627

API# 05-001-09787

Foreman: Calvin Reimers

Customer: Bill Barrett

Well Name: State of Colorado North 3225CDH

County: Adams

State: Colorado

Sec: 36

Twp: 1N

Range: 66W

Consultant: Pete

Rig Name & Number: Major 43

Distance To Location: 38 Miles

Units On Location: 3106/3205

Time Requested: 400am

Time Arrived On Location: 140am

Time Left Location: 4:45 AM

WELL DATA

Casing Size (in) : 9.625
 Casing Weight (lb) : 36
 Casing Depth (ft) : 1,481
 Total Depth (ft) : 1490
 Open Hole Diameter (in) : 13.50
 Conductor Length (ft) :
 Conductor ID :
 Shoe Joint Length (ft) : 41
 Landing Joint (ft) : 8

Sacks of Tail Requested : 100
 HOC Tail (ft) : 0

One or the other, cannot have quantity in both

Max Rate: 7
 Max Pressure: 2500

Cement Data

Lead

Cement Name:
 Cement Density (lb/gal) : 13.1
 Cement Yield (cuft) : 1.69
 Gallons Per Sack : 8.64
 % Excess : 25%

Tail

Cement Name:
 Cement Density (lb/gal) : 15.2
 Cement Yield (cuft) : 1.27
 Gallons Per Sack : 5.89
 % Excess : 0%

Fluid Ahead (bbls) : 112.0
 H2O Wash Up (bbls) : 20.0

Spacer Ahead Makeup

30bbls H2O+KCL+Dye in 2nd 10bbls

Casing ID

8.921

Casing Grade

J-55 only used

Lead Calculated Results

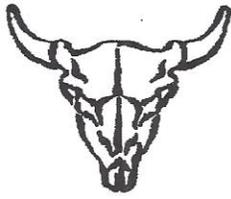
HOC of Lead : 1249.01 ft
 Casing Depth - HOC Tail
 Volume of Lead Cement : 610.43 cuft
 HOC of Lead X Open Hole Ann
 Volume of Conductor : 0.00 cuft
 (Conductor ID Squared) - (Casing Size OD Squared) X (.005454) X (Conductor Length ft)
 Total Volume of Lead Cement : 610.43 cuft
 (cuft of Lead Cement) + (Cuft of Conductor)
 bbls of Lead Cement : 135.90 bbls
 (Total cuft of Lead Cement) X (.1781) X (1+%Lead Excess)
 Sacks of Lead Cement : 451.50 sk
 (Total Slurry Volume) ÷ (Cement Yield) X (% Excess Cement)
 bbls of Lead Mix Water : 92.88 bbls
 (Sacks Needed) X (Gallons Per Sack) ÷ 42
 Displacement : 111.95 bbls
 (Casing ID Squared) X (.0009714) X (Casing Depth) + (Landing Joint) - (Shoe Length)
 Total Water Needed: 224.83 bbls

Tail Calculated Results

Tail Cement Volume In Ann : 127.00 cuft
 (HOC Tail) X (OH Ann)
 Total Volume of Tail Cement : 109.40 Cuft
 (HOC Tail X OH Ann) - (Shoe Length X Shoe Joint Ann)
 bbls of Tail Cement : 22.62 bbls
 (HOC of Tail) X (OH Ann) + (Cement Yield) X (Shoe Joint Ann) X (.1781) X (% Excess)
 HOC Tail : 223.84 ft
 (Tail Cement Volume) ÷ (OH Ann)
 Sacks of Tail Cement : 100.00 sk
 (Total Volume of Tail Cement) ÷ (Cement Yield)
 bbls of Tail Mix Water : 14.02 bbls
 (Sacks of Tail Cement X Gallons Per Sack) ÷ 42
 Pressure of cement in annulus
 Hydrostatic Pressure : 1007.72 PSI
 Collapse PSI: 2020.00 psi
 Burst PSI: 3520.00 psi

X

Authorization To Proceed



Bison Oil Well Cementing Tail & Lead

Cementing Customer Satisfaction Survey

| | |
|--------------|---------------------------------|
| Service Date | 2/13/2014 |
| Well Name | State of Colorado North 3225CDH |
| County | Adams |
| State | Colorado |
| SEC | 36 |
| TWP | 1N |
| RNG | 66W |

| | |
|----------------|--------------|
| Invoice Number | 12627 |
| API # | 05-001-09787 |
| Job Type | |
| Company Name | Bill Barrett |

Customer Representative **Pete**

Supervisor Name **Calvin Reimers**

| Employee Name (Including Supervisor) |
|--------------------------------------|
| Calvin Reimers |
| Pablo S |
| Lee S |
| Keith P |
| |
| |

| Exposure Hours (Per Employee) |
|-------------------------------|
| 3 |
| 3 |
| 3 |
| 3 |
| |
| |
| 12 |

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

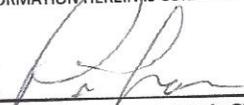
| RATING | CATEGORY | CUSTOMER SATISFACTION RATING |
|--------|------------------------|---|
| 4 | Personnel - | Did our personnel perform to your satisfaction? |
| 4 | Equipment - | Did our equipment perform to your satisfaction? |
| 4 | Job Design - | Did we perform the job to the agreed upon design? |
| 4 | Product/Material - | Did our products and materials perform as you expected? |
| 4 | Health & Safety - | Did we perform in a safe and careful manner (Pre/post mtgs, PPE, TSMR, etc..)? |
| 4 | Environmental - | Did we perform in an environmentally sound manner (spills, leaks, cleanup, etc..)? |
| 4 | Timeliness - | Was job performed as scheduled (On time to site, accessible to customers, completed when expected)? |
| 4 | Condition/Appearance - | Did the equipment condition and appearance meet your expectations? |
| 4 | Communication - | How well did our personnel communicate during mobilization, rig up and job execution? |

Please Circle:

| | | | |
|---|--|---|--------------------------------------|
| Yes <input checked="" type="radio"/> No <input type="radio"/> | Did an accident or injury occur? | Yes <input checked="" type="radio"/> No <input type="radio"/> | Was a pre-job safety meeting held? |
| Yes <input checked="" type="radio"/> No <input type="radio"/> | Did an injury requiring medical treatment occur? | Yes <input checked="" type="radio"/> No <input type="radio"/> | Was a job safety analysis completed? |
| Yes <input checked="" type="radio"/> No <input type="radio"/> | Did a first-aid injury occur? | Yes <input checked="" type="radio"/> No <input type="radio"/> | Were emergency services discussed? |
| Yes <input checked="" type="radio"/> No <input type="radio"/> | Did a vehicle accident occur? | Yes <input type="radio"/> No <input checked="" type="radio"/> | Did environmental incident occur? |
| Yes <input checked="" type="radio"/> No <input type="radio"/> | Was a post-job safety meeting held? | Yes <input type="radio"/> No <input checked="" type="radio"/> | 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



BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET

| ASK: SURFACE CASING CEMENTING | | CEMENTER/SUPERVISOR: Calvin Reimers | PAGE 1 | OF 3 |
|---|---|--|---|-----------------|
| NAME: State of Colorado North 3225CDH | | RIG # Major 43 | LOCATION: Piccadilly + 128 th Ave | |
| ATOR: Bill Barrett | | CONSULTANT: Pete | DATE: 2-13-14 | INVOICE # 12627 |
| EQUIPED: <input type="checkbox"/> Hard Hat <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Steel Toe Boots <input type="checkbox"/> Impact Gloves | <input type="checkbox"/> FR Coveralls <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 | |
| JOB STEPS | POTENTIAL HAZARDS | RECOMMENDED ACTION OR PROCEDURE | | |
| new JSA | Misunderstanding | Clarify job and associated hazards and safety concerns | | |
| duct 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 -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 -Inspect slings, chains and hooks prior to lift -Ensure line of sight with crane/tugger operator is maintained throughout the lift and hand signals are understood -Ensure no personnel are under suspended equipment -Utilize a tag line to control the load -Only Bison personnel install the cement head and hoses -Maintain line of sight and communication with crane/tugger operator -Remove non-essential personnel from rig floor, wait until other activity is done -Rig crew does not install chains until head and hoses are installed -Ensure a clear path when swinging a hammer -Ensure all fittings and hoses have proper pressure rating for the job and fall within the parameters of the <i>Bison Oilwell Iron Inspection Program</i> -Ensure rig floor is clear and personnel are away from hoses prior to test -Establish buffer area around high pressure hoses -Lines are checked from a distance and using pressure gauges -Cementer ensures pressure gauges are functioning properly -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 | | |
| ve trucks in and rig up equipment | Other traffic on location, overhead lines, pinch points, heavy lifting, slips/falls | | | |
| ement head and hoses to rig floor | Overhead work, improper hookup/load not properly secured, poor communication between ground personnel and crane/tugger operator | | | |
| ect Cement head/swage/pin, chickens and es. | Working in a congested area, pinch points, swinging hammers, slippery rig floor | | | |
| ssure test lines | Equipment falling under high pressures | -Ensure rig floor is clear and personnel are away from hoses prior to test -Establish buffer area around high pressure hoses -Lines are checked from a distance and using pressure gauges -Cementer ensures pressure gauges are functioning properly -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 | | |
| | Test to: PSI- 500 Maximum pressure allowed for job: PSI- 2500 | Pressure relief valve set to: PSI- 2500 Max. pump pressure: PSI- 7500 | | |
| np Spacer (dye marker)/Mix and Pump tent | Serious injury from high pressure line failure or catastrophic equipment failure. Casing hydrating from hole, causing injury. Burns or skin irritation from splashing cement, uncontrolled spills | | | |

BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET



BISON

| | | | |
|--|---|--|----|
| p plug | Slips, trips, falls. Miscommunication between pump operator and cementer, pressure against a closed stop | <ul style="list-style-type: none"> -Utilize 3 points of contact while descending/climbing ladder and stairs -Have visual contact between cementer and pump operator before pump is engaged | CR |
| placement | Unexpected pressure associated with resuming of pumping, casing hydraulic from hole, serious injury from high pressure line failure or catastrophic equipment failure. | <ul style="list-style-type: none"> -Ensure rig floor remains clear and non-essential personnel stay clear from buffer area -Pump operator monitors pump pressure constantly -Utilize proper PPE | CR |
| imp plug- Test float and release pressure | Pressure jumps before expected (calculated) displacement. Pressure jumps rapidly and higher than expected. | <ul style="list-style-type: none"> -Pump operator slows rate to 2 BPM when 5 bbls from calculated displacement and down to 1 bpm within 2 bbls of calculated displacement -Pump operator monitors pressure constantly -Pressure relief valve installed on pump -Ensure rig floor remains clear and non-essential personnel stay clear from the buffer area | CR |
| Pressure test casing (required) | Test to: PSI- N/A FOR: MIN- | <ul style="list-style-type: none"> -Utilize stakes or portable tank manifold to secure hoses -Use proper lifting technique (2 man lift, lift with legs, plan your route) | CR |
| Casing up / rig down | Splashing cement slurry, heavy lifting, pinch points, unsecured hoses | <ul style="list-style-type: none"> -All Bison crew member walk the planned exit route to access possible obstacles and hazards -Utilize spotters while backing | CR |
| part location | Other traffic and personnel and location, overhead lines | <ul style="list-style-type: none"> -All Bison crew member walk the planned exit route to access possible obstacles and hazards -Utilize spotters while backing | CR |
| General Precautions/Stop Work | <ul style="list-style-type: none"> - 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. | | |
| OTHER HAZARDS SPECIFIC TO LOCATION OR COMMENT NOT ADDRESSED ABOVE: | | | |
| NATED EMERGENCY MUSTER AREA: Lease Road to Rig COUNT-- 11 | | NEAREST EMERGENCY MEDICAL FACILITY (OTHER THAN 911): Brighton | |



| Signature and Company | |
|--------------------------|----------------|
| <i>Ed P. P.</i> | Bison |
| <i>Dr. from</i> | |
| <i>Russell Woodworth</i> | Major Drilling |
| <i>Sean Sylva</i> | Major Drilling |
| <i>Lodys Densley</i> | Major Drilling |
| <i>[Signature]</i> | Bison |
| <i>Mark Anderson</i> | Major |
| <i>Frank York</i> | Major |
| <i>John James</i> | Bison |
| <i>Walt Hark</i> | Bison |
| <i>Greggville</i> | NOV |
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