

BISON OIL WELL CEMENTING, INC.

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



SERVICE INVOICE

12143

WELL NO. AND FARM Gellner 027-04		COUNTY wold	STATE CO	DATE 10-6-14
CHARGE TO woble	WELL LOCATION SEC. 27		TWP. 41N	RANGE 67W
DELIVERED TO 42-19		CONTRACTOR Dennis		LOCATION 1
SHIPPED VIA		LOCATION 2		CODE
TYPE AND PURPOSE OF JOB puncher fill		LOCATION 3 42-19		CODE
		WELL TYPE GIS		CODE

PRICE REFERENCE	DESCRIPTION	UNITS		UNIT PRICE	AMOUNT
		QTY.	MEAS.		
	Pump changed	1	hr		
	6 No. 1	225	skt		
	Data Acc	1	hr		
	Sugar	50	lb		
	millage 150/2	3	cu		
	SunMark 286-434				
	201092				
	0017				
	330.70				
	<i>[Signature]</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

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

2.9

Customer or His Agent

Monte Bedway

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

Invoice # 12148

API#

Foreman: Monte Bedt

Date 10/6/201

Customer: Noble

Well Name: Gollner 027-04

County: Weld

Consultant: Dennis

State: Colorado

Rig Name & Number: Bohler 2

Distance To Location: 17.6

Sec: 27

Units On Location: 4028-3201 4034-3205

Twp: 4n

Time Requested: 1:00pm

Range: 76w

Time Arrived On Location: 1:00pm

Time Left Location:

Plug Job

Well Data

OD Inches	1.315	
String Weight Per ft	3.02	
First Plug Sacks	220	
First Plug Depth	472	
Second Plug Sacks		
Second Plug Depth		
Third Plug Sacks		
Third Plug Depth		
Fourth Plug Sacks		
Fourth Plug Depth		
ID	#N/A	
First Plug Displacement	#N/A	bbl
Second Plug Displacement	#N/A	bbl
Thirst Plug Displacement	#N/A	bbl
Fourth Plug Displacement	#N/A	bbl
bbls of Spacer Ahead	5	bbls

bbls of Slurry

First Plug bbls of Slurry	45.0593 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):	13.1
Cement Yield (cuft):	1.69
Gallons Per Sack:	8.60

Fourth Plug Cement Data

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

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

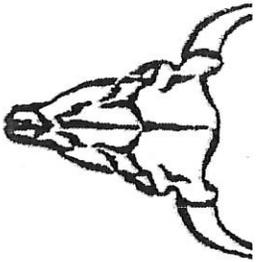
bbls of Mix Water

First Plug bbls Mix Wate	26.1905 bbls
Second Plug bbls Mix Wat	0.0000 bbls
Third Plug bbls Mix Wate	0.0000 bbls
Fourth Plug bbls Mix Wat	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.



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

Customer
Well Name

Noble
Gollner 027-04

INVOICE #
LOCATION
FOREMAN
Date

12148
Weld
Monte Bedeaux
10/6/2014

Treatment Report Page 2

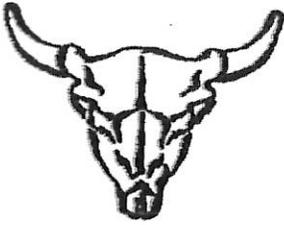
DESCRIPTION OF JOB EVENTS

	Displace 1			Displace 2			Displace 3			Displace 4		
	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI	BBLs	Time	PSI
Safety Meeting	2:55pm											
MIRU	1:00pm	0	3:42	360	0							
CIRCULATE	3:05	14.10	3:42	360	10					0		
CIRCULATE		20			20					10		
CIRCULATE		30			30					20		
CIRCULATE		40			40					30		
M & P		50			50					40		
		60			60					50		
First Plug	Time	Sacks			70					60		
		220			80					70		
Second Plug		0			80					80		
Third Plug		0			90					90		
Fourth Plug		0			100					100		
Mixed bbls					110					110		
First Plug	26.19				120					120		
Second Plug					130					130		
Third Plug					140					140		
Fourth Plug					150					150		
Water Temp	88.5											

Notes:

safety meeting ,miru, pressure test per company man, circulate 15 bbls ahead, mix and pump 225 sks cement, displace 1/4 top off to surface

X _____ X _____
 Work Performed _____ Title _____ Date _____



Bison Oil Well Cementing Single Cement Surface Pipe

Cementing Customer Satisfaction Survey

Service Date	10/6/2014
Well Name	Gollner 027-04
County	Weld
State	Colorado
SEC	27
TWP	4n
RNG	76w

Invoice Number	12148
API #	0
Job Type	Plug
Company Name	Noble

Customer Representative:

Supervisor Name:

Employee Name (Including Supervisor)
Monte B
Billy J
James M
Bryan R.

Exposure Hours (Per Employee)
4
4
4
4
16

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
<input type="text"/>	Personnel -	Did our personnel perform to your satisfaction?
<input type="text"/>	Equipment -	Did our equipment perform to your satisfaction?
<input type="text"/>	Job Design -	Did we perform the job to the agreed upon design?
<input type="text"/>	Product/Material -	Did our products and materials perform as you expected?
<input type="text"/>	Health & Safety -	Did we perform in a safe and careful manner (Pre/post mtgs, PPE, TSMR, etc.)?
<input type="text"/>	Environmental -	Did we perform in an environmentally sound manner (spills, leaks, cleanup, etc.)?
<input type="text"/>	Timeliness -	Was job performed as scheduled (On time to site, accessible to customers, completed when expected)?
<input type="text"/>	Condition/Appearance -	Did the equipment condition and appearance meet your expectations?
<input type="text"/>	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

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



JOB/TASK: Plug and Abandon		CEMENTER/SUPERVISOR: monte bedeaux		PAGE 1	OF 3
WELL NAME: Gollner 027-04		RIG # Bohler 2	LOCATION: 42-19	DATE: 10-6-14	
OPERATOR: monte	CONSULTANT: Dennis	INVOICE # 12148			
PPE REQUIRED: <ul style="list-style-type: none"> <input type="checkbox"/> Hard Hat <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Steel Toe Boots <input type="checkbox"/> Impact Gloves 		ADDITIONAL PPE (based on job specific hazards) <ul style="list-style-type: none"> <input type="checkbox"/> FR Coveralls <input type="checkbox"/> Reflective Vest <input type="checkbox"/> Goggles <input type="checkbox"/> Faceshield <input type="checkbox"/> Chemical Resistant Gloves <input type="checkbox"/> Chemical Resistant Clothing 		<ul style="list-style-type: none"> <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	
1. Review JSA	Misunderstanding	Clarify job and associated hazards and safety concerns			
2. Conduct pre job safety meeting	Misunderstanding	<ul style="list-style-type: none"> -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 	mb		
3. Move trucks in and rig up equipment	Other traffic on location, overhead lines, pinch points, heavy lifting, slips/falls	<ul style="list-style-type: none"> -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 	mb		
4. Raise hose to rig floor	Overhead work, improper hook up/load not properly secured, miscommunication between ground personnel and the crane/tugger operator	<ul style="list-style-type: none"> -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 			
5. Attach swage to tubing/Connect to swage on drill pipe	Connections/equipment failing under pressure, spills, slips and falls	<ul style="list-style-type: none"> -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 	mb		
6. Pressure test lines	Test to: PSI- 1000 Maximum pressure allowed for job: PSI- 1000	<ul style="list-style-type: none"> -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 working properly 	Pressure relief valve set to: PSI- 2000 Max. pump pressure: PSI- 2000	mb	

BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET



7. Pump Spacer/Mix and Pump Cement	Serious injury from high pressure line failure or catastrophic equipment failure. Burns or skin irritation from splashing cement, uncontrolled spills	<ul style="list-style-type: none"> -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 	mb
8. Displacement	Unexpected pressure associated with resuming of pumping, serious injury from high pressure line failure catastrophic equipment failure, spills, overpressure of mudlines	<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 -During displacement ensure one mudline valve is always open -Review method of relaying hand signals to rig crew to engage/disengage mud pumps 	mb
REPEAT STEPS 7 AND 8 AS REQUIRED			
9. Wash up / rig down	Splashing cement slurry, heavy lifting, pinch points, unsecured hoses	<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) 	mb
10. Depart 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 	mb
11. General Precautions/Stop Work OTHER HAZARDS SPECIFIC TO LOCATION OR ENVIRONMENT NOT ADDRESSED ABOVE:	<p>-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.</p> <p>- 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.</p>		mb
DESIGNATED EMERGENCY MUSTER AREA:	access rd	NEAREST EMERGENCY MEDICAL FACILITY (OTHER THAN 911): Greeley	
HEAD COUNT-			

SERIES 2000

— PSI — Barrels / Minute — Barrels — Lbs / Gallon — Stage Volume

