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

№ 12563

WELL NO. AND FARM	COUNTY	STATE	DATE
Durland Trust #1	Weld	CO	12-11-13
CHARGE TO	**WELL LOCATION** SEC. TWP. RANGE		**CONTRACTOR** Select 12
Crizzo		**DELIVERED TO** 120-135	**LOCATION** 1 Shop — **CODE**
		SHIPPED VIA 3103 - 3212	**LOCATION** 2 120-135 — **CODE**
	TYPE AND PURPOSE OF JOB P/A		**LOCATION** 3 Shop — **CODE**
			WELL TYPE Gas — **CODE**

PRICE REFERENCE	DESCRIPTION	UNITS QTY.	UNITS MEAS.	UNIT PRICE	AMOUNT
	Pump charge	1	each	3000.00	3000 00
	PREMIUM, 25 lbs per SK BFL4-1	150	SKS	22.75	3412 50
	mileage 4.00 per mile 190 miles Round trip Trucks	2	each	760.00	1520 00
	mileage 1.50 per mile 190 miles Round trip Pickup	1	each	285.00	285 00
	Iron Inspection	1	each	500.00	500 00
	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 1½% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

TAX REFERENCES

SUB TOTAL 8717 50

TAX

"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, INC.

1547 Gaylord Street
Denver, Colorado 80206
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E-mail: bisonoil1@qwestoffice.net

INVOICE # 12563
LOCATION 126-135
FOREMAN Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
12-11-13	Durland Trust #1				Weld

BILL TO: Crizzo
OWNER:
MAILING ADDRESS:
CITY:
STATE, ZIP:

CONSULTANT: Don
RIG NAME & NUMBER: Select 12
DISTANCE TO LOCATION:
UNITS ON LOCTION: 3163-3212
TIME REQUESTED: 1:30pm
TIME ARRIVED ON LOCATION: 1:15pm
TIME LEFT LOCATION: 5:30pm

WELL DATA

HOLE SIZE	TUBING SIZE	PERFORATIONS
	2 7/8	
TOTAL DEPTH	**TUBING DEPTH**	**SHOTS/FT**
	1140	
CASING SIZE	**TUBING WEIGHT**	**OPEN HOLE**
CASING DEPTH	**TUBING CONDITION**	**TREATMENT VIA**
CASING WEIGHT	**PACKER DEPTH**	

CASING CONDITION:
Max Rate:
Max Pressure:

Cement Makeup

Cement Blend: BFN III

Cement - Specs	lbs	Yield	Water Requirements
	15.2	1.27	5.89

Annulus Factor:
Capacity Factor: .0059

TYPE OF TREATMENT

- ☐ Surface Pipe
- ☐ Production
- ☐ Squeeze
- ☐ MISC Pump ☒
- P&A

HYD HHP = RATE X PRESSURE / 40.8

% Excess:
BBL to Pit:

DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PSI test, Pre roman Break circ, mix & Pump cement to surface, Displace 5.6 BBls H20, Rig to pull Pipe Top off as needed wash up Rig Down

X _____ Authorization To Proceed

Title

X 12-11-13 Date

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INVOICE # 12563
LOCATION 120-135
FOREMAN Kirk

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting	1:50 pm
MIRU	1:30 pm
CIRCULATE	2:06 pm
Drop Plug	
M & P	

Time	Sacks
2:12 pm	150

Displace 1			Displace 2			Displace 3			Displace 4			Displace 5			Displace 5		
BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI
0	2:27	80	0			0			0			0			0		
10			10			10			10			10			10		
20			20			20			20			20			20		
30			30			30			30			30			30		
40			40			40			40			40			40		
50			50			50			50			50			50		
60			60			60			60			60			60		
70			70			70			70			70			70		
80			80			80			80			80			80		
90			90			90			90			90			90		
100			100			100			100			100			100		
110			110			110			110			110			110		
120			120			120			120			120			120		
130			130			130			130			130			130		
140			140			140			140			140			140		
150			150			150			150			150			150		

Notes:

circ 8 BBls H2O
mixed & Pumped 150 sks cement 1.27 yield 15.2 lbs 33.9 BBls slurry
Disp 5.6 BBls H2O

X _____
Work Preformed

X _____
Title

X 12-11-13
Date

Bison Oil Well Cementing, Inc
1738 Wynkoop St., Ste. 102
Denver, CO 80202
303-296-3010
www.Bisonoilwell.com

Cementing Customer Satisfaction Survey

Service Date 12-11-13
Invoice Amount
Well Name Dorland Trust
Well Location 12n-63w
County Weld
SEC/TWP/RNG
State CO
Supervisor Name Kirk

Invoice Number 12563
Well Permit Number
Well Type Gas
Well Number #1
Lease
Job Type P/A
Company Name Crizzo
Customer Representative Don
Customer Phone Number

Employee Name	Exposure Hours (Per Employee)
Chris	2
Zack	2

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 Expectations (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

Opportunity
Best Practices
Potential Best Practice
Prevention/Improvement

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 customer,completed when expected)?
5 Condition / Appearance -	Did the equipment condition and appearance meet your expectation?
5 Communication -	How well did our personnel communicate during mobilization, rig up, and job execution?
5 Improvement -	What can we do to improve our service?

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?

Additonal Comments:

THE INFORMATION HEREIN IS CORRECT -

Customer ~~Representative's~~ Signature — Date 12-11-13

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

BISON
Oil Well Cementing Inc.

PRE TRIP CEMENT CALL OUT SHEET

INVOICE # 12563 DATE/TIME 12-11-13

WELL NAME Darland Trust #1 OPERATOR Don

CUSTOMER Crizzo

LOCATION/RIG Select 12

DELIVERED TO 120-135

PRE CHECK CALL OUT

CHECK ITEMS	Supervisor Initials	Other Initials	BULK TRUCK DRIVER	Supervisor Initials	Other Initials
DRY SAMPLE #	KL		VACUUM BREAKER PORT CLEANED & INSPECTED & SPARE ON TRUCK	✓	
REQUIRED CEMENT CONNECTIONS	KL		WATER JET AT MIX HEAD REMOVED, INSPECTED & CLEANED	✓	
TYPE OF CEMENT BFN III 3/0	KL		CEMENTING HEAD INSPECTED & CLEANED	✓	
# OF LBS/SACKS Full	KL		MIX TUB INSPECTED & CLEANED	✓	
FLOAT EQUIPMENT			CENTRIFUGALS GREASED, TIGHTENED & INSPECTED	✓	
BEGINNING FUEL 3/4	KL		DECK MOTORS STARTED	✓	
STARTING MILEAGE			VERIFY ALL AIR VALVES ARE FUNCTIONAL	✓	
PERSONAL PROTECTIVE EQUIPMENT	✓		VERIFY ALL VALVES ARE FUNCTIONAL ON BULK TRUCK	✓	
DRIVING DIRECTIONS	✓		VERIFY BERMS ARE ON BULK TRUCK	✓	
DRIVERS LOGS UPDATED PRIOR TO LEAVING YARD	✓		VERIFY SPARE CEMENT HEAD IS ON BULK TRUCK		
TRUCK PRE TRIP COMPLETED	✓		VERIFY 1" TUBING IS ON BULK TRUCK AND ADEQUATELY SECURED	✓	
ROCK CATCHERS REMOVED & CLEANED	✓		CHECK FOR ADEQUATE SUPPLY OF KCL, DYE AND DEFOAMER	✓	
VACUUM BREAKER REMOVED & CLEANED	✓		TOP OFF FUEL IN TRUCKS POST TRIP		
VERIFY CORRECT POP OFF PIN IN PLACE	✓		VERIFY PARKING METER GAUGE IS ON TRUCK	✓	
VERIFY PRESSURE TRANSDUCERS ARE CLEAN OF CEMENT	✓		DRAIN AIR TANKS		
CLEAN TRUCKS					
TIGHTEN PACKING NUTS ON PLUNGERS	✓				

CEMENT HEAD CHECK LIST

	Supervisor Initials	Other Initials
THREADS		
VALVES		
PIN		

COMMENTS:

BISON

BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET

ASK: Plug and Abandon	CEMENTER/SUPERVISOR: Kirk Kallhoff	PAGE 1	OF 3
NAME: durland trust #1	RIG # select 12 / LOCATION: 120-135	DATE: 12-11-13	
ATOR: crizzo	CONSULTANT: don	INVOICE # 12563	

EQUIRED: □ Hard Hat □ Safety Glasses □ Steel Toe Boots □ Impact Gloves □ FR Coveralls □ Reflective Vest

ADDITIONAL PPE (based on job specific hazards) □Goggles □Faceshield □ Chemical Resistant Gloves □ Chemical Resistant Clothing □Air Purifying Respirator □Supplied Air Respirator □Personal H2S Monitor □Personal Methane Monitor

JOB STEPS	POTENTIAL HAZARDS	RECOMMENDED ACTION OR PROCEDURE	REVIEWED BY
iew JSA	Misunderstanding	Clarify job and associated hazards and safety concerns	kk
nduct 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 signatu re 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	kk
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	kk
se 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	
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 fal ls within the parameters of the *Bison Oilwell Cementing Iron Inspection Program* -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	kk
ssure test lines — Test to: PSI- 500; Maximum pressure allowed for job: PSI- 2000	Equipment failing 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 working properly — Pressure relief valve set to: PSI- 2000; Max. pump pressure: PSI- 3000	kk

BISON

BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET

np Spacer/Mix and Pump ıent	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	kk
ɔlacement	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	kk
ıT 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)	kk
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 spotters while backing	kk
eneral 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: access rd D COUNT-	NEAREST EMERGENCY MEDICAL FACILITY (OTHER THAN 911): kimbal neb

BISON

BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET

Signature and Company	
Bison	
SES	
SWS	
Sean Cornwell SWS	
Bison	
Bison	
Eric P. Reimer Bison	