

1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
Email: [bisonoil1@qwestoffice.net](mailto:bisonoil1@qwestoffice.net)



№ 12692

WELL NO. AND FARM Kintz 1		COUNTY Weld	STATE Colo.	DATE 10-26-13	
CHARGE TO Top Operating		WELL LOCATION SEC. 8 TWP. 3N RANGE 68W		CONTRACTOR BWS	
		DELIVERED TO WCR 5+34 3/4		LOCATION 1 Shop	CODE
		SHIPPED VIA 3103		LOCATION 2 WCR 5+34 3/4	CODE
		TYPE AND PURPOSE OF JOB Annular Fill		LOCATION 3 Shop	CODE
				WELL TYPE GAS	CODE

PRICE REFERENCE	DESCRIPTION	UNITS		
		QTY.	MEAS.	
	Pump Charge	1	EA	
	B F NTL 3% BECA-1.25 lb/sk BFLA-Y	200	SK	
Day 1 Truck	Mileage 4.00 mile 60mile min Round Trip	1	EA	
Day 2 Truck	Mileage 4.00 mile 60mile min Round TRIP	1	EA	
Day 1 Pickup	Mileage 1.50.mile 60milesmin Round TRIP	1	EA	
Day 2 Pickup	Mileage 1.50.mile 60milesmin Round TRIP	1	EA	
	IRON Insp. Fee	1	EA	
	Data Int	1	EA	
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"**

**SUB TOTAL**

TAX

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  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net



INVOICE #  
LOCATION  
FOREMAN

12692  
5+3434  
Calvin Reimers

Treatment Report Page 2

## DESCRIPTION OF JOB EVENTS

Safety Meeting	8:34am	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5			Displace 5		
MIRU	8:00am	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI	BBLS	Time	PSI
CIRCULATE	8:41am	0	9:08am	850	0			0			0			0			0		
Drop Plug		10			10			10			10			10			10		
N/A		20			20			20			20			20			20		
		30			30			30			30			30			30		
		40			40			40			40			40			40		
M & P		50			50			50			50			50			50		
Time	Sacks	60			60			60			60			60			60		
8:46am	200	70			70			70			70			70			70		
to 9:08am		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		
286 lbs Mx H <sub>2</sub> O		130			130			130			130			130			130		
		140			140			140			140			140			140		
		150			150			150			150			150			150		

Notes:

USED 200 SKS, 45.23 bbls Slurry Displaced 1/4 bbl H<sub>2</sub>O  
10 bbls H<sub>2</sub>O Ahead

X

Work Preformed

X

Title

X

Date



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INVOICE #  
LOCATION  
FOREMAN

12692  
5+343/4  
CA/IN/REIMB

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
10-26-13	Kintz 1	8	3N	68W	Weld
BILL TO	CONSULTANT				
Top Operating	DEAN				
OWNER	RIG NAME & NUMBER				
Top Operating	BUS				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	23 miles		3103		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	8:00am		7:45am		
STATE, ZIP	TIME LEFT LOCATION				
	10:00am				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFNT III 3% BCCA-1.25/45 K BFLM-1	
9	1 1/4		Cement - Specs	lbs	Yield
				15.2	1.27
WELL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
	560			.0019	
CASING SIZE	TUBING WEIGHT	OPEN HOLE			
4 1/2					
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
	Good		<input type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input checked="" type="checkbox"/> MISC Pump <input type="checkbox"/> P&A ANNUAL FILL		
CASING WEIGHT	PACKER DEPTH				
CASING CONDITION			HYD HHP = RATE X PRESSURE / 40.8		
Max Rate			% Excess		
Max Pressure			BBL to Pit		
			N/A		

## DESCRIPTION OF JOB EVENTS

MIRU, Safety Meeting, Pi Test to 500 Psi, Circ 10 bbls H<sub>2</sub>O, Mix + pump 150 sks  
At 15.2 lbs. 1.27 yield, Displace 1/4 bbl H<sub>2</sub>O, Washup, Rig down

X *[Signature]*  
Authorization To Proceed

Title

X 10-26-13  
Date

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# BISON

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

## Invoice

Date	Invoice #
9/4/2013	12679

Bill To
Top Operating 10881 W Asbury Ste 210 Lakewood, CO 80227

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Kintz 91	Net 30	Squeeze		
Item	Description	Qty	U/M	Rate	Amount
Pump Charge-Other	Pump Charge-Other	1			
Service Charge	Iron Inspection	1			
MILEAGE	Mileage charge-Equipment	60			
MILEAGE	Mileage charge-Crew	60			
Data Acquisition ...	Data Acquisition Charge	1			
	Subtotal of Services				
G Cement	G Cement With .5% CFL 175, .5% CAF 34	157			
	Subtotal of Materials				

RECEIVED SEP 26 2013

Please Remit Payment To:

Bison Oil Well Cementing, Inc.  
P.O. Box 29671  
Thornton, CO 80229

Subtotal

Sales Tax (2.9%)

Total

Balance Due





# BISON

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

## Invoice

Date	Invoice #
10/26/2013	12692

Bill To
Top Operating 10881 W Asbury Ste 210 Lakewood, CO 80227

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Kintz 1	Net 30	Annular Fill		
Item	Description	Qty	U/M	Rate	Amount
Pump Charge-Ot...	Pump Charge-Other	1			
Service Charge	Iron Inspection	1			
MILEAGE	Mileage charge-Truck	60			
MILEAGE	Mileage charge-Pickup	60			
MILEAGE	Mileage charge-Truck	60			
MILEAGE	Mileage charge-Pickup	60			
Data Acquisition ...	Data Acquisition Charge	1			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	200	Sack		
	Subtotal of Materials				

Please Remit Payment To:

Bison Oil Well Cementing, Inc.  
P.O. Box 29671  
Thornton, CO 80229

RECEIVED NOV 04 2013

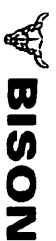
Subtotal

Sales Tax

Total

Balance Due

# BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET



Placement/Staging	Unexpected pressure associated with resuming of pumping, tubing hydraulicing from hole, serious injury from high pressure line failure or catastrophic equipment failure.	<ul style="list-style-type: none"> <li>-Verify max pump rate and pressure for each stage of the job</li> <li>-Verify cement pump times (especially as pressures increase and pump rates decrease)</li> <li>-Ensure rig floor remains clear and non-essential personnel stay clear from buffer area</li> <li>-Pump operator monitors pump pressure constantly</li> <li>-Utilize proper PPE</li> <li>-Ensure maximum pressure limits are not exceeded</li> </ul>	CR
NEXT STEPS 7 and 8 AS REQUIRED			
ish up / rig down	Splashing cement slurry, heavy lifting, pinch points, unsecured hoses	<ul style="list-style-type: none"> <li>-Utilize stakes or portable tank manifold to secure hoses</li> <li>-Use proper lifting technique (2 man lift, lift with legs, plan your route)</li> </ul>	CR
part location	Other traffic and personnel and location, overhead lines	<ul style="list-style-type: none"> <li>-All Bison crew member walk the planned exit route to access possible obstacles and hazards</li> <li>-Utilize spotters while backing</li> </ul>	CR
neral Precautions/Stop Work	<ul style="list-style-type: none"> <li>-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.</li> <li>-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.</li> </ul>		
R HAZARDS SPECIFIC TO LOCATION OR ONMENT NOT ADDRESSED ABOVE:			
NATED EMERGENCY MUSTER AREA: Lease Road to Rig	NEAREST EMERGENCY MEDICAL FACILITY (OTHER THAN 911): Longmont		

# BISON OILWELL CEMENTING JOB SAFETY ANALYSIS WORKSHEET

ASK: SQUEEZE CEMENT		CEMENTER/SUPERVISOR: Calvin Reimers		PAGE 1	OF 3
NAME: Kintz 1		RIG #BWS	LOCATION: WCR 5+34.75		DATE: 10-26-13
ATOR: Top Operating		CONSULTANT: Dean		INVOICE # 12692	
<b>REQUIRED:</b> <input type="checkbox"/> Hard Hat <input type="checkbox"/> FR Coveralls <input type="checkbox"/> Safety Glasses <input type="checkbox"/> Reflective Vest <input type="checkbox"/> Steel Toe Boots <input type="checkbox"/> Impact Gloves <b>ADDITIONAL PPE (based on job specific hazards)</b> <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			REVIEWED BY
Review JSA	Misunderstanding	Clarify job and associated hazards and safety concerns			CR
Conduct 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 -Verify max rate and pressure for each stage of 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			CR
Drive 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			CR
Connect hoses to rig floor	Overhead work, improper hookup/load not properly secured, poor communication between ground personnel and crane/tugger operator	-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			CR
Inspect Cement head/swage/pin, chickens and es.	Working in a congested area, pinch points, swinging hammers, slippery rig floor	-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 fig 1502, 15k psi plug valve is used at the well head -Verify all hoses, fittings and hoses have proper pressure rating for the job and falls within the parameters of the <i>Bison Oilwell Iron Inspection Policy</i> .			CR
Pressure test lines	Test to: PSI- 500 Maximum pressure allowed for job: PSI- 500	Equipment failing under high pressures, spills	-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 -Ensure all valves are holding fluid -Cementer ensures pressure gauges are working properly.	Pressure relief valve set to: PSI- 2500 Max. pump pressure: PSI- 4000	CR
Open Spacer (dye marker)/Mix and Pump cement	Serious injury from high pressure line failure or catastrophic equipment failure. Burns or skin irritation splashing cement, uncontrolled spills, parting tubing, pumping into pressure, hydraulicing tubing out of the hole	-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 -Establish injection rate			CR