



KANSAS CORPORATION COMMISSION 1072767  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1072767

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# BISON

Bison Oil Well Cementing Inc.  
 1738 Wynkoop St.  
 Suite 102  
 Denver, CO 80202  
 303-296-3010

## Invoice

Date	Invoice #
9/20/2011	10470

Bill To
Excell Services, LLC 36629 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne, KS	Erikson 31-22	Surface	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1		1,400.00	1,400.00
MILEAGE	Mileage charge	178		4.00	712.00
MILEAGE	Mileage charge	89		1.50	133.50
	Subtotal of Services				2,245.50
B3-Line Summer...	50/50 Poz (3%)	182	Sack	16.50	3,003.00
Discount 10%	Discount 10%			-10.00%	-300.30
	Subtotal of Materials				2,702.70
					4,948.20

Please Remit Invoices To:

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

Subtotal	\$4,948.20
Sales Tax (8.3%)	\$224.32
<b>Total</b>	<b>\$5,172.52</b>
Balance Due	\$5,172.52

X 110%  
 \$ 5,629.77

RECEIVED

SEP 30 2011

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-296-5143  
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 10470  
 LOCATION Bird City  
 FOREMAN T. Travis

## TREATMENT REPORT

DATE <u>9-26-11</u>	WELL NAME <u>Erikson 31-22</u>	SECTION <u>22</u>	TWP <u>5535</u>	RGE <u>11139W</u>	COUNTY <u>Cherokee</u>	FORMATION
CHARGE TO <u>Excell</u>		OWNER <u>Noble</u>				
MAILING ADDRESS		OPERATION				
CITY		CONTRACTOR <u>Excell rig #2</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>1pm</u>		TIME LEFT LOCATION <u>1:30pm</u>			TIME LEFT LOCATION <u>3pm</u>	

WELL DATA			PRESSURE LIMITATIONS			
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
<u>9 7/8</u>						
TOTAL DEPTH <u>393</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LOSS			
<u>PBTD 349</u>		OPEN HOLE	STRING			
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING			
CASING DEPTH <u>388</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>70</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40%	

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	15 MIN SIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB MTRU Safety Cir mtp 137 sks of B3-1.7e 15.2 lbs 1.07 yd  
4.2 gal/sk 18.2 bbls of mix water shut down drop plug displace 14 bbls of  
water shot well in, clean up move of location  
90% excess

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS  
mTRU Safety Cir mtp drop plug displace shot in  
1:15pm 1:45pm 1:50pm 1:53pm 2:06pm 2:07pm 2:14pm  
150psi 10 2:11pm  
150psi 14 2:13pm  
10 bbls to the pit

[Signature] AUTHORIZATION TO PROCEED  
DRIER TITLE  
 DATE

Customers hereby acknowledge and specifically agree 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

Bison Oil Well Cementing Inc.  
 1738 Wynkoop St.  
 Suite 102  
 Denver, CO 80202  
 303-296-3010

## Invoice

Date	Invoice #
9/21/2014	10476

Bill To
Excell Services, LLC 36629 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne, KS	Erikson 31-22	Production	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump Charge - ...	Pump Charge - Production Pipe	1		2,000.00	2,000.00
MILEAGE	Mileage charge	178		4.00	712.00
MILEAGE	Mileage charge	89		1.50	133.50
	Subtotal of Services				2,845.50
N-Gel-T2	Lead 12lb	72	Sack	16.50	1,188.00T
Discount 10%	Discount 10%			-10.00%	-118.80
BG-Lite	Tail 43.8 lb/gal 50/50 Poz	56	Sack	16.50	924.00T
Discount 10%	Discount 10%			-10.00%	-92.40
KCL Mud Flush	(BHS 117)	2		125.00	250.00T
KCL	KCL Displacement	4		25.00	100.00T
	Subtotal of Materials				2,250.80
					5,096.30

Please Remit Invoices To:

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

Subtotal	\$5,096.30
Sales Tax (8.3%)	\$186.81
<b>Total</b>	<b>\$5,283.11</b>
Balance Due	\$5,283.11

X 11070  
 \$ 5,811.42

RECEIVED  
 SEP 30 2011

# BISON OIL WELL CEMENTING, INC.



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

REF. INVOICE # 10476  
 LOCATION Bird City  
 FOREMAN Traus

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-21-11	Erikson 31-22	22	35	38W	Cherokee	
CHARGE TO <u>Excel</u>			OWNER <u>Noble</u>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excel Inc 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>89</u>			
TIME ARRIVED ON LOCATION <u>7am</u>			regu. <u>9:30am</u>		TIME LEFT LOCATION <u>12pm</u>	

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>6 7/8</u>					
TOTAL DEPTH: <u>1512</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 1432</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>4 1/2</u>	TUBING CONDITION	TREATMENT VIA		TUBING	
CASING DEPTH <u>1472</u>				TYPE OF TREATMENT	
CASING WEIGHT <u>10.5</u>	PACKER DEPTH			TREATMENT RATE	
CASING CONDITION <u>good</u>				<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
				<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM
				<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
				<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
				<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
				<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
				<input type="checkbox"/> MISC PUMP	
				<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8

BREAKDOWN OF CIRCULATING		AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB MJRW, Safety Circ, 10 bbls fresh with dye, 20 bbl mud flush w/ 2% KCL M+P 73 SKs of Npel 12 12.0 lb/gal, 2.71 yld, 12.04 gal/sk, 21 bbls of mix water M+P 56 SKs of Bq lite 13.8 lb/gal, 1.33 yld, 6.28 gal/sk 5 bbls of mix water drop plug displace 22.8 bbls with 2% KCL set plug, clean up move off location

JOB SUMMARY	
DESCRIPTION OF JOB EVENTS	
<u>MJRW Safety Circ M+P drop plug displace</u>	
<u>7:30am</u>	<u>10:15am</u>
<u>10:22am</u>	<u>10:33am</u>
<u>10:52am</u>	<u>10:53am</u>
<u>110psi</u>	<u>10 10:55am</u>
<u>320psi</u>	<u>20 11am</u>
<u>1590psi</u>	<u>22.8 11:07am</u>
<u>100% excess</u>	
<u>10 bbls to the pit</u>	
<u>set plug at 1590 psi @ 11:07 am</u>	

Thomas Hoff  
 AUTHORIZATION TO PROCEED

TITLE

9/21/11  
 DATE

Customers hereby acknowledge and specifically agree 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.

KB-L: 6 Ft

Casing: 7 inch

Well Name: Erickson 31-22

Location: Sec 22, 3S, 38W, Cheyenne Co.

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	Wt/ Grade	Description
	0.00	0.00			17	
1	39.16	39.16	-388.16	-349.00		Centralizer & Baffle Plate
2	39.14	78.30	-349.00	-309.86		
3	36.54	114.84	-309.86	-273.32		
4	37.00	151.84	-273.32	-236.32		
5	34.74	186.58	-236.32	-201.58		
6	39.11	225.69	-201.58	-162.47		
7	39.08	264.77	-162.47	-123.39		
8	39.15	303.92	-123.39	-84.24		
9	39.10	343.02	-84.24	-45.14		
10	39.14	382.16	-45.14	-6.00		
11						
12						
13					# Jts Ran 9	
14					Meas. 382.16	
15					Set @ 388.16	
16					Aprox TD @ 393	
17					PBTD @ 349.00	
18					Threads On 383.94	
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
TOTAL	382.16					

KB-GL: 6 Ft

Casing: 4.5 10.5 # J-55

Well Name: Erickson 31-22

Location: Sec 22, 3S, 38W, Cheyenne Co. KS

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	W/ Grade	Description
1	1.32	1.32	-1472.24	-1470.92		AFU SHOE
2	38.22	39.54	-1470.92	-1432.70	10.5#J-55	Centralizer & Latch
3	38.71	78.25	-1432.70	-1393.99		Centralizer
4	39.28	117.53	-1393.99	-1354.71		Centralizer
5	39.34	156.87	-1354.71	-1315.37		Centralizer
6	39.27	196.14	-1315.37	-1276.10		Centralizer
7	21.25	217.39	-1276.10	-1254.85		Centralizer
8	39.42	256.81	-1254.85	-1215.43		Centralizer
9	39.32	296.13	-1215.43	-1176.11		Centralizer
10	39.20	335.33	-1176.11	-1136.91		
11	39.26	374.59	-1136.91	-1097.65		
12	39.24	413.83	-1097.65	-1058.41		
13	39.27	453.10	-1058.41	-1019.14		
14	38.68	491.78	-1019.14	-980.46		
15	39.22	531.00	-980.46	-941.24		
16	39.21	570.21	-941.24	-902.03		
17	39.17	609.38	-902.03	-862.86		
18	39.16	648.54	-862.86	-823.70		
19	39.33	687.87	-823.70	-784.37		
20	39.06	726.93	-784.37	-745.31		
21	39.65	765.58	-745.31	-706.66		
22	39.34	804.92	-706.66	-667.32		
23	38.50	843.42	-667.32	-628.82		
24	38.64	882.06	-628.82	-590.18		
25	38.36	920.42	-590.18	-551.82		
26	38.95	959.37	-551.82	-512.87		
27	38.39	997.76	-512.87	-474.48		
28	39.21	1036.97	-474.48	-435.27		
29	39.22	1076.19	-435.27	-396.05		
30	39.34	1115.53	-396.05	-356.71		
31	39.32	1154.85	-356.71	-317.39		
32	39.23	1194.08	-317.39	-278.16		
33	39.36	1233.44	-278.16	-238.80		
34	38.09	1271.53	-238.80	-200.71		
35	39.31	1310.84	-200.71	-161.40		
36	39.29	1350.13	-161.40	-122.11		
37	38.59	1388.72	-122.11	-83.52		
38	38.36	1427.08	-83.52	-45.16		
39	39.16	1466.24	-45.16	-6.00		
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84						
85						
TOTAL		1466.24				

JTs Ran 38  
 Meas w/shoe 1466.24  
 Set @ 1472.24  
 PBD @ 1432.70  
 Threads On 1473.23