

ORIGINAL

SIDE ONE

RELEASED
CONFIDENTIAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 06522,516-00
County Graham
N/2 NW NW Sec. 35 Twp. 8 Rge. 22 East West

4950 Ft. North from Southeast Corner of Section
4620 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Buss Well # 1

Field Name unnamed

Producing Formation Lansing

Elevation: Ground 2196' KB 2201'

Total Depth 3830' PBTD 3780'

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 1234 Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Co.

Operator Contact Person: Jeff Christian

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 6033

Wellsite Geologist: Rocky Milford

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

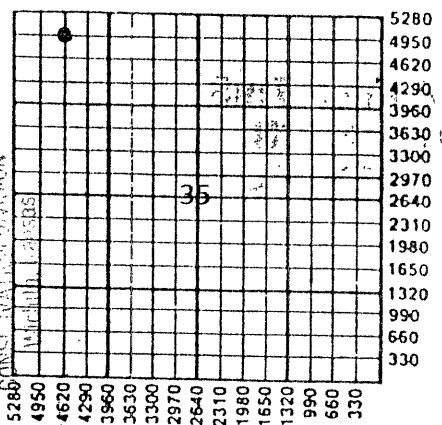
If OWMO: old well info as follows:
Operator: n/a

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
4/21/89 4/29/89 5/23/89
Spud Date Date Reached TD Completion Date

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FEB 29 1990



Amount of Surface Pipe Set and Cemented at 220' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1750' Feet

If Alternate II completion, cement circulated from 1750
feet depth to surface w/ 300 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

Signature [Signature]
Title Vice President Date 8/18/89

Subscribed and sworn to before me this 18th day of August,
19 89.

Notary Public _____

Date Commission Expires 6/07/92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
A. KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

15-065-22516-00-00

CONFIDENTIAL

SIDE TWO

ORIGINAL

Operator Name Ritchie Exploration, Inc. Lease Name Buss Well # 1
 Sec. 35 Twp. 8S Rge. 22 East West
 County Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

RELEASED

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Formation Description
 Log Sample
 Name Top Bottom
 Anhydrite 1764' (+ 437)
 B/Anhydrite 1797' (+ 404)
 Topeka 3184' (- 983)
 Heebner 3400' (-1199)
 Toronto 3424' (-1223)
 Lansing 3438' (-1237)
 B/AO 3646' (-1445)
 Marmaton 3683' (-1482)
 Arbuckle 3769' (-1568)
 LTD 3828' (-1627)
 New Used

FEB 28 1991

FROM CONFIDENTIAL

(See attached).
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2INT 981
 NOT A
 JAITN 28000
 CONFIDENTIAL

CASING RECORD New 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
surface	12 1/4"	8-5/8"	23#	220'	60/40 poz	155	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	3827'	60/40 poz	150	10% salt
						10	salt flush

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2SSB	3800'-04'; 3604 1/2' -08'; 3594'-97'; 3570 1/2' -03 1/2'	2,000 gal. of 28% acid	3604 1/2'-08'; 3594-97'; & 3570 1/2'-03 1/2'

TUBING RECORD
 Size Set At Packer At
 Liner Run Yes No

Date of First Production 5/23/89
 Producing Method Flowing Pumping Gas Lift Other (Explain)
 Estimated Production Per 24 Hours
 Oil 40 Bbls. Gas 1 Mcf Water 1 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease
 (If vented, submit ACO-18.)
 METHOD OF COMPLETION
 Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____
 Production Interval
3604 1/2'-08'; 3594-97'; & 3570 1/2'-03 1/2'

FEB 23 1990
 Feb 23, 1990
 CONFIDENTIAL DIVISION
 WICHITA, KS 67202

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DST #1 from 3434' to 3460' (Top zone).
Recovered 4' of clean oil, 61' slightly
oil cut mud (8% oil).
IFP:193-200#/30"; ISIP:1098#/45";
FFP:184-184#/30"; FSIP:1086#/45".

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DST #2 from 3460' to 3488' (35' zone).
Recovered 60' gas in pipe, 30' clean
oil, 30' slightly oil cut watery mud,
and 310' slightly muddy water. 370'
total fluid.
IFP:36-48#/30"; ISIP:1024#/30";
FFP:121-148#/30"; FSIP:960#/30".

DST #3 from 3503' to 3528' (70' & 90'
zones). Recovered 372' gas in pipe;
140' clean oil; 62' heavy oil cut watery
mud (33% oil, 10% water, 57% mud); &
125' slightly oil cut muddy water (2%
oil, 80% water, 18% mud). Total fluid
327'.
IFP:45-75#/45"; ISIP:1091#/60";
FFP:115-145#/45"; FSIP:1063#/60".

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DST #4 from 3554' to 3620' (140'-180' zones). Recovered 240' gas in
pipe; 50' heavy oil cut mud (42% oil, 58% mud); 186' gassy oil cut
mud (15% gas, 25% oil, 60% mud).
IFP:100-135#/30"; ISIP:1471#/30";
FFP:152-176#/30"; FSIP:1430#/30".

DST #5 from 3616' to 3637' (200' zone). Recovered 195' muddy water
with a few oil specks.
IFP:97-115#/30"; ISIP:1033#/30";
FFP:115-118#/30"; FSIP:945#/30".

DST #6 from 3722' to 3795' (Arbuckle). Recovered 20' of mud with
a few oil specks.
IFP:60-60#/30"; ISIP:249#/30";
FFP:60-60#/30"; FSIP:121#/30".

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STATE CORPORATION COMMISSION
FEB 23 1990
Feb 23, 1990
CONSERVATION DIVISION
BUREAU OF OIL & GAS

15-065-22516-00-02

TELEPHONE:
AREA CODE 913 483-2627

ALIOD CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

TO: Ritchie Exploration Inc.
125 N. Market #1000
Wichita, Kansas 67202

INVOICE NO. 53970
TICKET NO. _____
LEASE NAME Buss #1
DATE May 11, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 170 sks @\$5.00	\$ 850.00	
Pozmix 170 sks @\$2.25	382.50	
Gel 17 sks @\$6.75	<u>114.75</u>	\$ 1,347.25
Handling 340 sks @\$0.90	306.00	
Mileage (32) @\$0.03¢ per sk per mi	326.40	
Port collar	450.00	
MI @\$1.00 pmp. trk.	<u>32.00</u>	<u>1,114.40</u>

Total \$ 2,461.65
AIC 802 < 492.33 >
1969.32

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MAY 15 1989
120-3791-02

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

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STATE GENERATION COMMISSION

MAY 11 1989
DEC 11 1989
CONSERVATION DIVISION
Wichita, Kansas

TELEPHONE
913 483-2827

ALLIANT CEMENTING COMPANY, INC
P. O. BOX 31
RUSSELL, KANSAS 67665

15-065-22516-00-00

TO: Ritchie Exploration, Inc.
125 N. Market #1000
Wichita, Kansas 67202

INVOICE NO. 53894
TICKET NO. _____
LEASE NAME Bus #1
DATE April 29, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 99 sks @\$5.00	\$ 495.00	
Pozmix 66 sks @\$2.25	148.50	
Salt 24 sks @\$4.75	<u>114.00</u>	\$ 757.50
Handling 165 sks @\$0.90	148.50	
Mileage (31) @\$0.03c per sk per mi	153.45	
Production string	838.00	
Mf @\$1.00 pmp. trk.	31.00	
1 plug	<u>31.00</u>	<u>1,201.95</u>
	Total	\$ 1,959.45

Float held

AIC 802

THANK YOU

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All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

120-3791-03
<391.89>
MAY 02 1989
1567.56

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STATE CORPORATION COMMISSION

DEC 11 1989
DEC 11, 1989
CONSERVATION DIVISION
Wichita, Kansas

15-065-22516-00-00

TELEPHONE:
A CODE 915 283-2627

ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67865

TO: Ritchie Exploration Inc.
125 N. Market Suite 1000
Wichita, Kansas 67202

INVOICE NO. 538484
TICKET NO. _____
LEASE NAME Buss #1
DATE April 21, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 93 sks @\$5.00	\$ 465.00
Pozmix, 62 sks @\$2.25	139.50
Gel 3 sks. @\$6.75	20.25
Chloride 5 sks. @\$20.00	<u>100.00</u>
Handling 155 sks @\$0.90	139.50
Mileage (32) @\$0.03¢ per sk per mi	148.80
Surface	360.00
Mi @\$1.00 pmp. trk.	32.00
1 plug	<u>40.00</u>

\$ 724.75

720.30

120-3791-02
Total \$ 1,445.05
A/C 802 (289.01)
1,156.04

Cement circ.

THANK YOU

APR 26 1989

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DEC 11 1989
Dec 11, 1989
CONSERVATION DIVISION
Wichita, Kansas