

ORIGINAL

SIDE ONE

2/22/91  
FEB 2 8 1991

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

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address 125 N. Market, Suite 1000  
City/State/Zip Wichita, KS 67202  
Purchaser: n/a  
Operator Contact Person: Jeff Christian  
Phone ( 316 ) 267-4375

Contractor: Name: Murfin Drilling Co.  
License: 6033  
Wellsite Geologist: Leah Ann Kasten

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

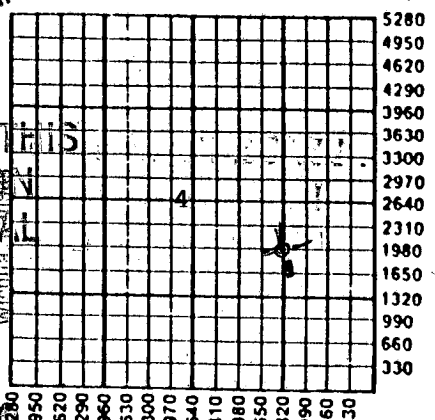
If OWMO: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
12/08/89 12/16/89 12/17/89  
Spud Date Date Reached TD Completion Date

API NO. 15- 163-23,072-00-00 FROM CONFIDENTIAL  
County Rooks  
C N/2 SE Sec. 4 Twp. 10S Rge. 16W  East West  
1980 Ft. North from Southeast Corner of Section  
1320 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Conger Well # 1  
Field Name Conger  
Producing Formation n/a  
Elevation: Ground 1970' KB 1975'  
Total Depth 3510' PBTD n/a

KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH  
PLEASE KEEP THIS IN CONFIDENTIAL  
FEB 2 22 1991  
CONSERVATION DIVISION  
Wichita, Kansas



ACT II  
DJA

Amount of Surface Pipe Set and Cemented at 205 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.

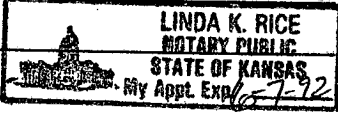
INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential 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 President Date 2/15/90

Subscribed and sworn to before me this 15th day of February, 19 90.

Notary Public Linda K. Rice  
Date Commission Expires 6/07/92



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

P1

**SIDE TWO**

Operator Name Ritchie Exploration, Inc. Lease Name Conger Well # 1  
 Sec. 4 Twp. 10S Rge. 16W  East  West  
 County Rooks

**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.

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.)

FEB 28 1991

**FROM CONFIDENTIAL**

Log  Sample

| Name        | Top           | Bottom |
|-------------|---------------|--------|
| Anhydrite   | 1143' (+ 832) |        |
| B/Anhydrite | 1179' (+ 796) |        |
| Topeka      | 2837' (- 862) |        |
| Heebner     | 3069' (-1094) |        |
| Toronto     | 3088' (-1113) |        |
| Lansing     | 3110' (-1135) |        |
| B/KC        | 3360' (-1385) |        |
| Arbuckle    | 3468' (-1493) |        |
| LTD         | 3511' (-1536) |        |

**PLEASE KEEP THIS  
 INFORMATION  
 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           | 12½"              | 8-5/8"                    | 28#             | 205'          | 60/40 poz      | 160          | 2% gel, 3% CC              |
|                   |                   |                           |                 |               |                |              |                            |
|                   |                   |                           |                 |               |                |              |                            |

| Shots Per Foot | PERFORATION RECORD<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

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

| Date of First Production          | Producing Method   |         |             |               |         |  |  |
|-----------------------------------|--|---------|-------------|---------------|---------|--|--|
|                                   | <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |         |             |               |         |  |  |
| Estimated Production Per 24 Hours | Oil Bbls.  | Gas Mcf | Water 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 \_\_\_\_\_

15-163-23072-00-00

Ritchie Exploration, Inc. #4767  
#1 Conger  
C N/2 SE  
Section 4-10s-16W  
Rooks County, KS

ACO-1  
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RELEASED

FEB 28 1991

FROM CONFIDENTIAL

DRILL STEM TESTS

DST #1 from 3024' to 3051' (Lower Topeka).  
Recovered 90' of muddy water.  
IFP: 67-67#/30"; ISIP: 990#/45";  
FFP: 76-76#/30"; FSIP: 990#/45".

DST #2 from 3060' to 3102' (Toronto). Recovered  
10' of mud, no show oil.  
IFP: 48-48#/30"; FSIP: 153#/30";  
FFP: 48-48#/30"; FSIP: Invalid (picked up tool  
too high).

DST #3 from 3111' to 3182' (Lansing "B",  
"C", & "D" zones). Recovered 50' of mud  
with a few oil spots.  
IFP: 67-67#/30"; ISIP: 461#/30";  
FFP: 86-86#/30"; FSIP: 413#/30".

DST #4 from 3193' to 3234' (L/KC "F" & "G"  
zones). Recovered 780' of salt water.  
IFP: 125-259#/30"; ISIP: 605#/30";  
FFP: 336-403#/30"; FSIP: 605#/30".

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DST #5 from 3411' to 3471' (Arbuckle). Recover-  
ed 65' of mud, no show of oil.  
IFP: 76-76#/45"; ISIP: 663#/45";  
FFP: 76-86#/30"; FSIP: 644#/45".

DST #6 from 3472' to 3489' (Arbuckle) with straddle packers. Recovered  
390' of water with scum of oil.  
IFP: 52-95#/30"; ISIP: 1100#/45";  
FFP: 148-180#/30"; FSIP: 1100#/45".

FEB 27 1990

RECEIVED  
STATE CORPORATION COMMISSION

FEB 22 1990

CONSERVATION DIVISION  
Wichita, Kansas

KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH