

10/31/90  
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1-22-91  
22 1991

ORIGINAL  
SIDE ONE

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

API NO. 15- 163-23,046-0000  
County Rooks FROM CONFIDENTIAL  
SE NW NW Sec. 30 Twp. 6 Rge. 20 XX East West  
4290 Ft. North from Southeast Corner of Section  
4290 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name W.L. Nichols Well # 1  
Field Name wildcat  
Producing Formation n/a  
Elevation: Ground 2263' KB 2268'  
Total Depth 3780' PBTD n/a

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

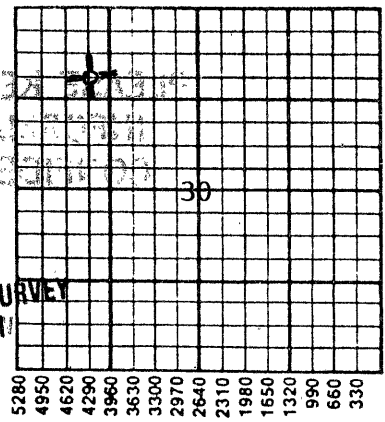
Contractor: Name: Murfin Drilling Co.  
License: 6033  
Wellsite Geologist: Bob Mathiesen

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

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
5/06/89 5/13/89 5/13/89  
Spud Date Date Reached TD Completion Date

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OCT 04 1989  
RECEIVED  
KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH  
OCT 03 1989



ACT II  
D&A

Amount of Surface Pipe Set and Cemented at 210 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 Vice President Date 8/30/89  
Subscribed and sworn to before me this 30th day of August, 19 89.  
Notary Public Linda K. Rice  
Date Commission Expires 6/07/92

LINDA K. RICE  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 6-7-92

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

**SIDE TWO**

Operator Name Ritchie Exploration, Inc. Lease Name W.L. Nichols Well # 1  
 Sec. 30 Twp. 6S Rge. 20W  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.)

(SEE ATTACHED SHEET).

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**Formation Description**

Log  Sample

JAN 22 1991

FROM CONFIDENTIAL

Name	Top	Bottom
Anhhdrite		1874' (+ 394)
B/Anhydrite		1907' (+ 361)
Topeka		3263' (- 995)
Heebner		3469' (-1201)
Toronto		3490' (-1222)
Lansing		3501' (-1233)
B/KC		3695' (-1427)
LTD		3781' (-1513)

**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#	210'	60/40 poz	170	2% gel, 3% CC

**PERFORATION RECORD**

Shots Per Foot Specify Footage of Each Interval Perforated

**Acid, Fracture, Shot, Cement Squeeze Record**  
 (Amount and Kind of Material Used) Depth


**TUBING RECORD**

Size Set At Packer At

Liner Run  Yes  No

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

**METHOD OF COMPLETION**

Production Interval

Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

RITCHIE EXPLORATION, INC.

#4767

#1 W.L. Nichol

SE NW NW

Sec. 30-6S-20W

Rooks County, KS

ACO-1

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DST #1 from 3517' to 3568' (35' & 50' zones). Recovered 180' of muddy water with few a specks of oil.

IFP:38-57#/45"; ISIP:1183#/45";  
FFP:85-104#/45"; FSIP:1174#/45".

DST #2 from 3608' to 3706' (140'-220' zones). Recovered 10' of mud, no show of oil.

IFP:19-19#/30"; ISIP:877#/30";  
FFP:19-19#/30"; FSIP:858#/30".

DST #3 from 3564' to 3587' (90' zone) with straddle packers. Recovered 1,285' of salt water, no show of oil.

IFP:82-362#/30"; ISIP:1126#/30";  
FFP:410-601#/30"; FSIP:1116#/30".

DST #4 from 3694' to 3781' (Marmaton).

Recovered 70' of mud with oil spots.

IFP:47-47#/45"; ISIP:534#/60";  
FFP:66-66#/45"; FSIP:553#/60".

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STATE CORPORATION COMMISSION

OCT 4 1989  
10-3-89  
Wichita, Kansas