(27) KCC

AUG. 13 SIDE ONE

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

CONFIDENTIAL

API NO. 15- 163-23,170

FROM CONFIDENTIAL

County Rooks

E/2 90' E of NW NW NE Sec. 19 Twp. 6S Rge. 20 X East West

4950 Ft. North from Southeast Corner of Section

2220 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

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: Leah Kasten

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: Jeff Christian

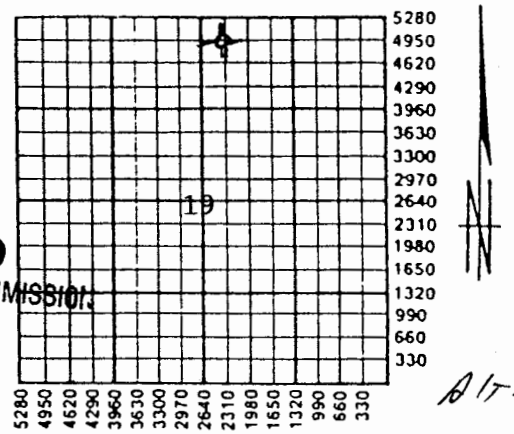
Lease Name Wyrill-19A Well # 2

Field Name Todd NE

Producing Formation n/a

Elevation: Ground 2286' KB 2291'

Total Depth 3830' PBTD n/a



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CONSERVATION DIVISION
WICHITA, KS

Designate Type of Completion
X New Well ___ Re-Entry ___ Workover

___ Oil ___ SWD ___ Temp. Abd.
___ Gas ___ Inj ___ Delayed Comp.
X Dry ___ Other (Core, Water Supply, etc.)

If OWWO: old well info as follows:
Operator:

Well Name:

Comp. Date ___ Old Total Depth ___

Drilling Method:
X Mud Rotary ___ Air Rotary ___ Cable

6/03/91	6/10/91	6/10/91
Spud Date	Date Reached TD	Completion Date

Amount of Surface Pipe Set and Cemented at 207' Feet

Multiple Stage Cementing Collar Used? ___ Yes X No

If yes, show depth set n/a Feet

If Alternate II completion, cement circulated from 207'

feet depth to surface w/ 170 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

Title President Date 8/14/91

Subscribed and sworn to before me this 14th day of August, 19 91.

Notary Public Linda K. Rice

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

Date Commission Expires

K.C.C. OFFICE USE ONLY
F ✓ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C ✓ Drillers Timelog Received

Distribution
___ KCC ___ SWD/Rep ___ NGPA
✓ KGS ___ Plug ✓ Other (Specify)

Form ACO-1 (7-89)

WSE-0-P.

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Wyrill-19A Well # 2

Sec. 19 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 (Attach Additional Sheets.)	☒ Yes	☐ No
Samples Sent to Geological Survey	☒ Yes	☐ No
Cores Taken	☐ Yes	☒ No
Electric Log Run (Submit Copy.)	☒ Yes	☐ No

(See attached page).

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Formation Description

☒ Log ☐ Sample

Name Top Bottom

(See attached page).

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#	207'	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:

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

METHOD OF COMPLETION

☐ Open Hole ☐ Perforation ☐ Dually Completed ☐ Commingled

☐ Other (Specify) _____

Production Interval

19-6-20W

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CONFIDENTIAL

RITCHIE EXPLORATION, INC.
125 N. Market - Suite 1000
Wichita, Kansas 67202-1775
316-267-4375 FAX 316-267-3026

#2 Wyrill-19A
90' E of NW NW NE
Section 19-6S-20W
Rooks County, Kansas
API# 15-163-23,170
License #4767

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INFORMATION
CONFIDENTIAL

DRILL STEM TESTS

DST #1 from 3442' to 3465' (Oread). Recovered 310' of salt water.
IFP:67-105#/30";ISIP:980#/30";
FFP:134-153#/30";FSIP:932#/30".

DST #2 from 3494' to 3555' (Toronto & Top zone). Recovered 5' of mud with few oil spots.
IFP:76-76#/30";ISIP:576#/30";
FFP:76-76#/30";FSIP:548#/30".

DST #3 from 3555' to 3620' (35'-90' zones). Recovered 330' of muddy water, few spots of oil on top.
IFP:67-105#/30";ISIP:1209#/45";
FFP:144-182#/30";FSIP:1200#/45".

DST #4 from 3701' to 3756' (L/KC 220' & Marmaton). Recovered 7' of mud.
IFP:67-67#/30";ISIP:490#/30";
FFP:67-67#/30";FSIP:327#/30".

DST #5 from 3750' to 3770' (Congl. sand). Recovered 15' of free oil and 90' of watery mud (65% mud, 35% water).
IFP:67-76#/45";ISIP:490#/60";
FFP:86-96#/45";FSIP:461#/60".

DST #6 from 3769' to 3781' (Arbuckle). Recovered 10' of free oil and 80' of oil cut watery mud (5% oil, 60% mud, 35% water).
IFP:57-57#/45";ISIP:480#/60";
FFP:76-76#/45";FSIP:461#/60".

ELECTRIC LOG TOPS

Anhydrite	1884'(+ 407)
B/Anhydrite	1918'(+ 373)
Topeka	3286'(- 995)
Heebner	3492'(-1201)
Toronto	3515'(-1224)
Lansing	3531'(-1240)
B/KC	3720'(-1429)
Cong. sand	3764'(-1473)
Arbuckle	3775'(-1484)
LTD	3828'(-1537)

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