

COPY

SIDE ONE

OCT 9 7 1992

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

Operator: License # 4767Name: Ritchie Exploration, Inc.Address 125 N. Market, Suite 1000City/State/Zip Wichita, KS 6720Purchaser: Koch Oil CompanyOperator Contact Person: Jeff ChristianPhone (316) 267-4375Contractor: Name: Murfin Drilling Co.License: 30606Wellsite Geologist: Kitt Noah

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SWD ☐ Temp. Abd.☐ Gas ☐ Inj ☐ Delayed Comp.☐ Dry ☐ Other (Core, Water Rep.)

If OWO: old well info as follows:

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

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

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable7/18/91 7/26/91 8/20/91

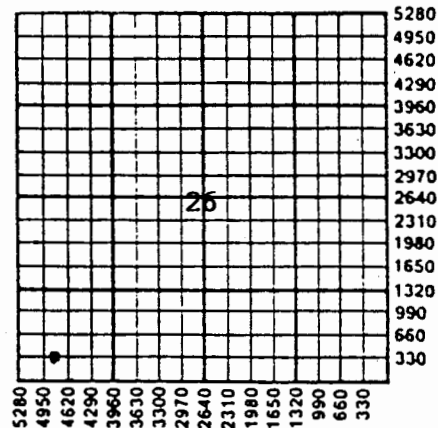
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22,645

FROM CONFIDENTIAL

County Graham150 E of \_\_\_\_\_ EastSW SW SW Sec. 26 Twp. 8S Rge. 22 X West330 Ft. North from Southeast Corner of Section4800 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name Kirkpatrick Well # 1Field Name Michelson SEProducing Formation LansingElevation: Ground 2195' KB 2200'Total Depth 3830' PBTD \_\_\_\_\_PLEASE KEEP THIS  
INFORMATION  
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CONSERVATION DIVISION  
WICHITA, KSAmount of Surface Pipe Set and Cemented at 211' FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set 1743' FeetIf Alternate II completion, cement circulated from 1743'feet depth to surface w/ 375 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 9/20/91Subscribed and sworn to before me this 20th day of September, 19 91.Notary Public [Signature]Date Commission Expires 6/10/99

## 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) JS

## SIDE TWO

Operator Name Ritchie Exploration, Inc.Lease Name KirkpatrickWell # 1Sec. 26 Twp. 8S Rge. 22W☐ EastCounty Graham☒ West

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 ☒ NoElectric Log Run  
(Submit Copy.)☒ Yes ☐ No

See attached page.

## Formation Description

☒ Log ☐ Sample

Name

Top

Bottom

See attached page.

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## 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 $\frac{1}{4}$ "	8-5/8"	28#	211'	60/40 poz	150	2%gel, 3%CC
Production	7-7/8"	4- $\frac{1}{2}$ "	10.5#	3827'	60/40 poz	175	10% salt, 3% gilsonite

## PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

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

3 shots	3605.3'-06.3'	500 gal. of 15% NE	3605.3'-06.3'
3 shots	3520'-21'	500 gal. of 15% NE	3520'-21'
3 shots	3475.5'-76.5'	500 gal. of 15% NE	3475.5'-76.5'

## TUBING RECORD

Size  
2-3/8"

Set At

Packer At

Liner Run

☐ Yes ☐ NoDate of First Production  
8/26/91

Producing Method

☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)Estimated Production  
Per 24 Hours

Oil 35 Bbls.

Gas

Mcf

Water 88.77 Bbls.

Gas-Oil Ratio

Gravity

Disposition of Gas: n/a

## METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease  
(If vented, submit ACO-18.)☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled☐ Other (Specify) \_\_\_\_\_3605.3'-06.3';  
3520'-21'; 347.5'-

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RITCHIE EXPLORATION, INC.

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

RELEASED

OCT 9 7 1992

FROM CONFIDENTIAL

Ritchie Exploration, Inc.'s  
#1 Kirkpatrick  
150' E of SW SW SW  
Section 26-8S-22W  
Graham County, Kansas  
API# 15-065-22,645  
License #4767

AC0-1 form  
Page 2

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DRILL STEM TESTS

DST #1 from 3434' to 3460' (Top zone). Recovered 310' of salt water.

IFP:67-96#/30"; ISIP:1152#/45";  
FFP:134-163#/30"; FSIP:1143#/45".

DST #2 from 3464' to 3490' (35' zone). Recovered 45' of oil and 115' of salt water with oil spots.

IFP:67-76#/30"; ISIP:1181#/45";  
FFP:86-96#/30"; FSIP:1171#/45".

DST #3 from 3505' to 3530' (70'-90' zones). Recovered 150' of gas in pipe; 30' of free oil; 120' slightly oil cut muddy water; and 240' salt water with oil spots. 390' total fluid (9% oil, 8% mud, 83% water).

IFP:76-125#/45"; ISIP:1114#/45";  
FFP:173-211#/45"; FSIP:1085#/45".

DST #4 from 3556' to 3624' (140'-180' zones). Recovered 5' of oil; 70' of slightly oil cut watery mud (2% oil, 25% water, 73% mud); and 120' of muddy water with oil spots.  
IFP:63-84#/45"; ISIP:1320#/60";  
FFP:116-137#/45"; FSIP:1278#/60".

DST #5 from 3646' to 3700' (Marmaton). Recovered 10' of mud, no show of oil.  
IFP:52-52#/30"; ISIP:74#/30";  
FFP:52-52#/30"; FSIP:63#/30".

DST #6 from 3723' to 3782' (Arbuckle). Recovered 5' of mud, no show of oil.  
IFP:67-67#/30"; ISIP:105#/30";  
FFP:67-67#/30"; FSIP:86#/30".

ELECTRIC LOG TOPS

Anhydrite	1772' (+ 428)
B/Anhydrite	1806' (+ 394)
Topeka	3184' (- 984)
Heebner	3401' (-1201)
Toronto	3426' (-1226)
Lansing	3441' (-1241)
B/KC	3647' (-1447)
Marmaton	3683' (-1483)
Ero.Arbuckle	3772' (-1572)
Arbuckle	3806' (-1606)
LTD	3829' (-1629)

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