

ORIGINAL COPY
SIDE ONE

RELEASED
1-31-91

CONFIDENTIAL 3.1 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: Koch Oil Company

Operator Contact Person: Rocky Milford

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 OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

10/12/89 10/20/89 11/16/90

Spud Date Date Reached TD Completion Date

API NO. 15- 135-23,388

County Ness FROM CONFIDENTIAL

NE NW SW Sec. 17 Twp. 16 Rge. 21 ☒ East West

2310 Ft. North from Southeast Corner of Section

4290 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

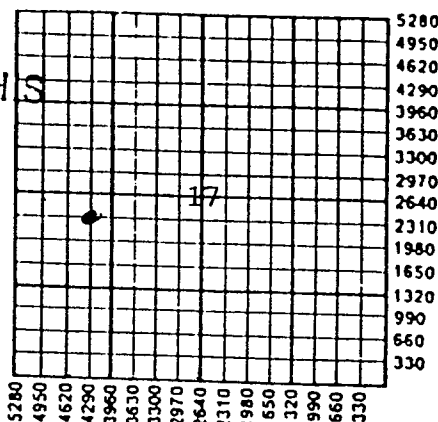
Lease Name O'Rourke Well # 1

Field Name wildcat

Producing Formation Cherokee

Elevation: Ground 2339' KB 2344'

Total Depth 4350' PBTD n/a



Amount of Surface Pipe Set and Cemented at 287' Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 1671' Feet

If Alternate II completion, cement circulated from 1671'

feet depth to surface w/ 350 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 1/29/90

Subscribed and sworn to before me this 29th day of January 19 90.

Notary Public Linda K. Rice

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 Time Log Received	
Distribution	
☒ KCC	☐ SWD/Rep
☒ KGS	☐ Plug
	☒ NGPA
	☐ Other (Specify)
NP 79016	

Form ACO-1 (7-89)

SIDE TWO

Operator Name Ritchie Exploration, Inc.Lease Name O'RourkeWell # 1Sec. 17 Twp. 16S Rge. 21 ☐ East ☒ WestCounty Ness

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 ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No
(Submit Copy.)Formation Description AN 3 1 1991☒ Log ☐ Sample FROM CONFIDENTIAL

Name	Top	Bottom
Anhy	1642' (+ 702)	
B/Anhy	1682' (+ 662)	
Heebner	3738' (-1394)	
Lansing	3776' (-1432)	
B/KC	4040' (-1696)	
Labette	4198' (-1854)	
Ft. Scott	4214' (-1870)	
Cherokee	4224' (-1880)	
Upper sand	4236' (-1892)	
Lower sand	4284' (-1940)	
Miss.	4326' (-1982)	
LTD	4354' (-2010)	

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 Per Additives
Surface	12 1/4"	8-5/8"	23#	287'	60/40 poz	160	2% gel, 3% CC
Production	7-7/8"	5 1/2"	14#	4305.5'	ASC	100	5% gilsonite

PERFORATION RECORD

Specify Footage of Each Interval Perforated

Shots Per Foot

3 shots

4237 1/2' - 4241'

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

n/a

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

TUBING RECORD

Size

Set At

Packer At

Liner Run

☐ Yes ☐ NoDate of First Production
11/16/89

Producing Method

☐ Flowing☒ Pumping☐ Gas Lift☐ Other (Explain)

Estimated Production Per 24 Hours

Oil

10 Bbls.

Gas

Mcf

Water

80 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

4237 1/2' - 4241'