

**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: Bob Mathiesen

Phone (316) 267-4375

Contractor: Name: White & Ellis Drilling Co.

License: 5420

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 Supply, etc.)

If OWM: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

1/30/91 2/10/91 2/10/91

Spud Date Date Reached TD Completion Date

API NO. 15- 193-20,540

County, E of Thomas

100 SW SE NW Sec. 35 Twp. 9S Rge. 36 X East West

2970' Ft. North from Southeast Corner of Section

3530' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

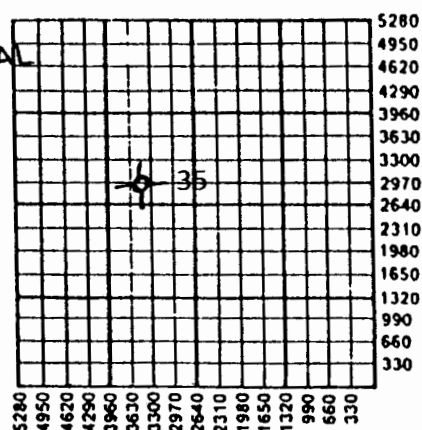
Lease Name Kistler Well # 1

Field Name Shalz

Producing Formation n/a

Elevation: Ground 3414' KB 3419'

Total Depth 4900' PBTD n/a



Amount of Surface Pipe Set and Cemented at 298' 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.

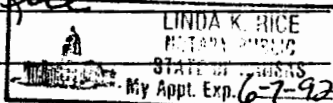
Signature _____

Title President Date 2/19/91

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

Notary Public Linda K. Rice

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) IS

SIDE TWO

Operator Name Ritchie Exploration, Inc.Lease Name KistlerWell # 1Sec. 35 Twp. 9S Rge. 36☐ EastCounty Thomas☒ 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).

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	12 $\frac{1}{4}$ "	8-5/8"	28#	297'	60/40 poz	185	

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

COPY

RITCHIE EXPLORATION, INC.

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

35-9-36W

RELEASED

MAR 30 1993

Ritchie Exploration, Inc.

#4767

#1 Kistler

100' E of SW SE NW

Section 35-9S-36W

Thomas County, KS

API# 15-193-20,540

ACO-1 form

Page 2

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

FROM CONFIDENTIAL

DRILL STEM TESTS:

DST #1 from 4249' to 4281' (L/KC "E" & "F" zones). Recovered 140' of muddy water.
IFP:19-29#/45"; ISIP:1256#/45";
FFP:59-68#/45"; FSIP:1236#/45".

DST #2 from 4348' to 4406' (L/KC "I" & "J" zones). Recovered 5' of mud.
IFP:66-66#/45"; ISIP:255#/45";
FFP:66-66#/45"; FSIP:200#/45".

DST #3 from 4456' to 4572' (Pleasanton - Altamont "B" zone). Recovered 6' of mud.
IFP:88-88#/30"; ISIP:477#/30";
FFP:88-88#/30"; FSIP:433#/30".

DST #4 from 4611' to 4762' (Myrick Station - Cher. Johnson zone). Recovered 15' of mud with few oil specks.
IFP:77-77#/30"; ISIP:687#/30";
FFP:88-88#/30"; FSIP:555#/30".

ELECTRIC LOG TOPS

Anhydrite	2835' (+ 584)
B/Anhydrite	2863' (+ 556)
Topeka	3933' (- 514)
Heebner	4143' (- 724)
Lansing	4181' (- 762)
Stark	4402' (- 983)
B/KC	4462' (-1043)
Marmaton	4490' (-1071)
Pawnee	4587' (-1168)
Myrick Station	4624' (-1205)
Ft. Scott	4649' (-1230)
Cherokee	4683' (-1264)
Morrow Upper sd.	4783' (-1364)
Morrow Lwr. sd.	4800' (-1381)
Mississippian	4891' (-1472)
LTD	4902' (-1483)