

ORIGINAL SIDE ONE CONFIDENTIAL

RELEASED 23-91 DEC 13 1991

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

API NO. 15- 101-21,528-00-00 FROM CONFIDENTIAL County Lane NW SE SW Sec. 25 Twp. 19S Rge. 20 XX East West 990 Ft. North from Southeast Corner of Section 3630 Ft. West from Southeast Corner of Section (NOTE: Locate well in section plat below.)

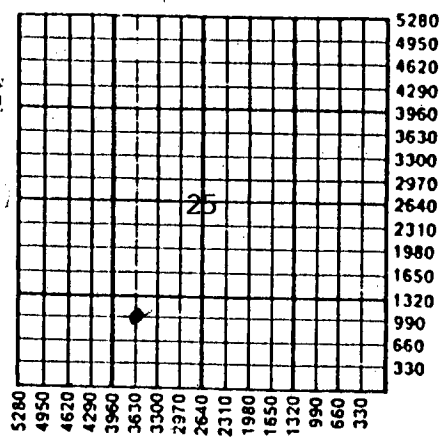
Operator: License # 4767 Name: Ritchie Exploration, Inc. Address 125 N. Market, Suite 1000 City/State/Zip Wichita, KS 67202 Purchaser: n/a Operator Contact Person: Bob Mathiesen Phone (316) 267-4375

Lease Name Schwartz Well # 1 Field Name wildcat Producing Formation Lansing/Kansas-City Elevation: Ground 2721' KB 2726' Total Depth 4650' PBD n/a

Contractor: Name: Murfin Drilling Co. License: 6033 Wellsite Geologist: Rocky Milford

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Designate Type of Completion: [X] New Well [] Re-Entry [] Workover [XX] Oil [] SWD [] Temp. Abd. [] Gas [] Inj [] Delayed Comp. [] Dry [] Other (Core, Water Supply, etc.)



ACT II 1-29-91

If OMO: old well info as follows: Operator:

Amount of Surface Pipe Set and Cemented at 233 Feet Multiple Stage Cementing Collar Used? [X] Yes [] No If yes, show depth set 2022 Feet If Alternate II completion, cement circulated from 2022' feet depth to surface w/ 350 sx cmt.

Well Name: Comp. Date Old Total Depth

Drilling Method: [X] Mud Rotary [] Air Rotary [] Cable Spud Date 10/23/89 Date Reached TD 10/31/89 Completion Date 11/27/89

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 1/29/90

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

Notary Public [Signature]

Date Commission Expires 6/07/92



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

RECEIVED NP 6907

FROM CONFIDENTIAL

JAN 31 1990 Form ACO-1 (7-89) 01-31-1990 CONSERVATION DIVISION Wichita, Kansas

XPI

1207 E 230

ORIGINAL SIDE TWO

Operator Name Ritchie Exploration, Inc.

Lease Name Schwartz Well # 1

Sec. 25 Twp. 19S Rge. 28

East

County Lane

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 No
Electric Log Run (Submit Copy.) Yes No

Formation Description

Log Sample

Name Top Bottom

(See attached)

DRILL STEM TESTS (see attached)

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RELEASED

DEC 13 1991

FROM 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 1/4"	8-5/8"	28#	233'	60/40 poz	150	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	4637'	60/40 poz	175	10% salt, 3% gil-sonite

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SSB	4245'-4248'	500 gal. of 15% acid	4245'-4250'
2 SSB	4246'-4250'		

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First Production 11/27/89 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 60 Bbls. Gas Mcf Water 40 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 4245'-4250'

CONFIDENTIAL

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

API NO. 15- 101-21,528-00-00
County Lane KCC/KG
NW SE SW Sec. 25 Twp. 19S Rge. 20 XX East West

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: Murfin Drilling Co.

License: 6033

Wellsite Geologist: Rocky Milford

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

10/23/89 10/31/89 11/27/89
Spud Date Date Reached TD Completion Date

990 Ft. North from Southeast Corner of Section

3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

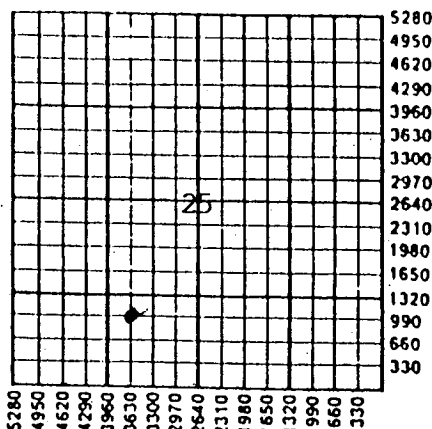
Lease Name Schwartz Well # 1

Field Name wildcat

Producing Formation Lansing/Kansas-City

Elevation: Ground 2721' KB 2726'

Total Depth 4650' PBTD n/a



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Amount of Surface Pipe Set and Cemented at 233 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2022 Feet

If Alternate II completion, cement circulated from 2022'

feet depth to surface w/ 350 sx cmt.

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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 1/29/90

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

Notary Public Linda K. Rice

Date Commission Expires 6/07/92

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6/29/92

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Driller's Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

RECEIVED

01-31-1990 Form ACO-1 (7-89)
CONSERVATION DIVISION
Wichita, Kansas

15-101-21528-00-00

Ritchie Exploration, Inc.

#4767

#1 Schwartz

NW SE SW

Section 25-19S-20W

Lane County, KS

ACO-1

Page 2

RELEASED

DEC 13 1991

FROM CONFIDENTIAL

DRILL STEM TESTS

DST #1 from 4239' to 4268' (Lansing/KC "K" zone). Recovered 480' gas in pipe and pulled 400' of gassy oil and reversed out remaining fluid. 2,194' of total fluid. Estimated to be 1,500' of clean gassy oil, 570' of water and oil and 124' of water. IFP:193-573#/30"; ISIP:1107#/30"; FFP:670-844#/30"; FSIP:1107#/30".

DST #2 from 4174' to 4232' with straddle packers (Lansing/KC "I" & "J" zones). Recovered 96' of gassy slightly oil cut mud (less than 2% oil) and 500' of oil spotted water. IFP:95-190#/30"; ISIP:1009#/30"; FFP:238-314#/30"; FSIP:961#/30".

DST #3 from 4278' to 4310' (Lansing/KC "L" zone). Recovered 186' of gassy slightly oil cut mud (less than 2% oil), 310' of gassy oil spotted watery mud and 310' of water. IFP:95-238#/30"; ISIP:1019#/30"; FFP:305-400#/30"; FSIP:1019#/30".

ELECTRIC LOG TOPS

Anhydrite	2032' (+ 694)
B/Anhydrite	2062' (+ 664)
Topeka	3666' (- 940)
Heebner	3935' (-1209)
Lansing	3974' (-1248)
Stark	4242' (-1516)
B/KC	4329' (-1603)
Marmaton	4363' (-1637)
Ft. Scott	4508' (-1782)
Cherokee	4529' (-1803)
Miss.	4594' (-1868)
LTD	4652' (-1926)

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RELEASED

JAN 03 1992

FROM CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION

JAN 31 1990

CONSERVATION DIVISION Wichita, Kansas