

CORRECTED
API #

SIDE ONE

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

Operator: License # 4767
Name Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
Wichita, KS 67202
City/State/Zip

Purchaser.....N/A.....

Operator Contact Person Rocky Milford.....
Phone 316-267-4375.....

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist..... Bob Mathiesen
Phone: 316-267-4375.....

Designate Type of Completion

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

If ONNO: old well info as follows:

Operator
Well Name
Comp. DateOld Total Depth.....

WELL HISTORY

```

Drilling Method:
        X   Mud Rotary          Air Rotary          Cable

7-30-87      8-9-87      8-09-87
.....
Spud Date    Date Reached TD    Completion Date

4300'        ..N/A.....
.....
Total Depth      PBTD

                        8-5/8" @ 300'

Amount of Surface Pipe Set and Cemented at.....feet
Multiple Stage Cementing Collar Used?          Yes   X   No
      If yes, show depth set.....feet
If alternate 2 completion, cement circulated
from.....feet depth to.....N/.....SX cmt
Cement Company Name .....
Invoice # .....

```

APL NO. 15-063-21,122-00-00
County Gove
NW NW NW 20 15S Rge. 28 East
Sec. Twp. Rge. x West
4950 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

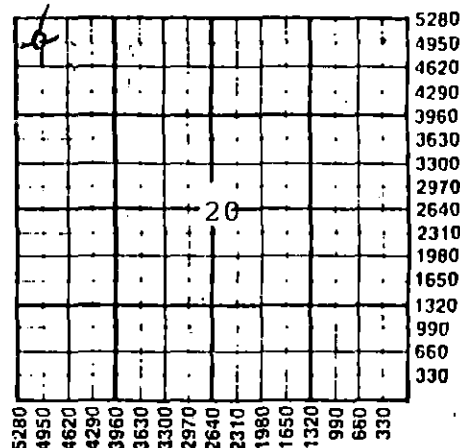
Lease Name.....M. Coberly.....Well #.....1.....

Field Name.....

Producing Formation.....N/A.....

Elevation: Ground...2462'.....KB...2467'.....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: _____ Disposal
Docket # _____ Repressuring
N/A

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Hauled.

Division of Water Resources Permit #.....

Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp. Rge East West

Surface Water.....Ft North from Southeast Corner
(Stream,pond etc).....Ft West from Southeast Corner

Sec	Two	Rce	East	West
-----	-----	-----	------	------

Other (explain).....
(purchased from city, R.W.D. #)

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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Vice President Date 11/20/87

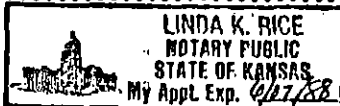
Subscribed and sworn to before me this 20th day of November 1987

Notary Public, Jonda K. Kuo

Date Commission Expires.....6/07/88.....

10-1
FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE
COMMUNICATIONS SECTION
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Form ACO-1 (5-86)



SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name M. Coberly Well # 1Sec. 20 Twp. 15S Rge. 28 ☐ East ☒ West County Gove

WELL LOG

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 ☒ Yes ☐ No
Samples Sent to Geological Survey ☒ Yes ☐ No
Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

DST #1 - 3779'-3848' (Lansing "H" & "I" zones). Recovered 300' of muddy water, no show of oil.
IFP:70-128#/30"; ISIP:1157#/45";
FFP:163-186#/30"; FSIP:1077#/45".

DST #2 - 3846'-3879' (L/KC "J" zone). Recovered 120' of gas in pipe, 5' of clean oil & 180' of slightly oil cut muddy water. Total of 185' of fluid (2% gas, 11% oil, 29% mud, 58% water)
IFP:46-70#/45"; ISIP:963#/45";
FFP:93-116#/45"; FSIP:963#/45".

DST #3 - 3874'-3909' (L/KC "K" zone). Recovered 1' of free oil and 150' of muddy water, scum of oil.
IFP:46-58#/30"; ISIP:928#/45";
FFP:70-93#/30"; FSIP:917#/45".

Name	Top	Bottom
Anhydrite	1890' (+ 577)	
B/Anhydrite	1924' (+ 543)	
Topeka	3355' (- 888)	
Heebner	3589' (-1122)	
Toronto	3609' (-1142)	
Lansing	3626' (-1159)	
Stark	3879' (-1412)	
B/KC	3949' (-1482)	
Marmaton	3976' (-1509)	
Pawnee	4062' (-1595)	
Ft. Scott	4135' (-1668)	
Cherokee	4160' (-1693)	
Mississippi	4236' (-1769)	
LTD	4303' (-1836)	

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"....	23#....	300....	60-70 Poz....	185....	2% gel, .3% cc....
.....							
.....							
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
.....							
.....							
.....							
.....							
TUBING RECORD				Liner Run ☐ Yes ☐ No			
Date of First Production		Producing Method					
		☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☐ Perforation
☐ Other (Specify)

☐ Dually Completed
☐ Coning/led

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR Ritchie Exploration, Inc. LEASE NAME M. Coberly #1 SEC. 20 TWP. 15 SRGE. 28 (W)

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cased intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #4 - 3909'-3995' (L/KC "L" zone to Upper Marmaton). Recovered 30' of mud with a few spots of oil. IFP:58-58#/30"; ISIP:951#/45"; IFP:70-70#/30"; FSIP:870#/45".				
DST #5 - 4120'-4165' (Ft. Scott). Recovered 420' of gas in pipe and 130' of gassy oil cut mud (18% gas, 21% oil, 57% mud, 4% water). IFP:58-70#/45"; ISIP:443#/45"; FFP:93-105#/45"; FSIP:548#/45".				

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FEB 04 1988
CONSERVATION DIVISION
Wichita, Kansas

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STATE CORPORATION COMMISSION

FEB 04 1988

CONSERVATION DIVISION
Wichita, Kansas

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

Operator: License # 4767
Name Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000
Wichita, KS 67202
City/State/Zip

Purchaser N/A

Operator Contact Person Rocky Milford
Phone 316-267-4375

Contractor: License # 6033
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Wellsite Geologist Bob Mathiesen
Phone 316-267-4375

Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☒ Dry ☐ Other (Core, Water Supply etc.)
If OWN: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
☒ Mud Rotary ☐ Air Rotary ☐ Cable
7-30-87 8-9-87 8-09-87
Spud Date Date Reached TD Completion Date
4300' N/A
Total Depth PBTD 8-5/8" @ 300'
Amount of Surface Pipe Set and Cemented at feet
Multiple Stage Cementing Collar Used? Yes ☒ No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt
Cement Company Name
Invoice #

SIDE ONE

API NO. 15-063-21,115

County Gove

NW NW NW Sec 20 Twp 15S Rge 28 East
X West

4950 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

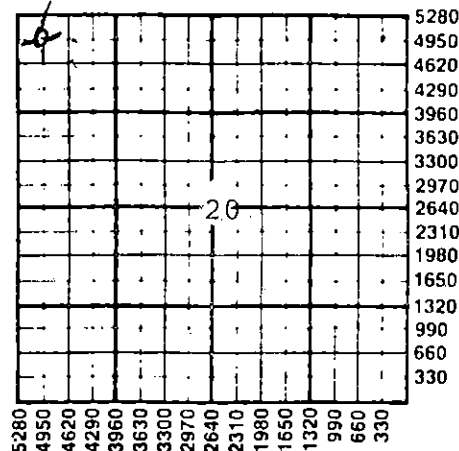
Lease Name M. Coberly Well # 1

Field Name

Producing Formation N/A

Elevation: Ground 2462' KB 2467'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # N/A Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water: Hauled.
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge East West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West

Other (explain)
(purchased from city, R.W.D. #)

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Signature

Vice President 11/20/87

Subscribed and sworn to before me this 20th day of November 1987

Notary Public Linda K. Rice

Date Commission Expires 6/07/88



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)

RECEIVED
NOV 25 1987

Form ACO-1 (5-86)
CONSERVATION DIVISION
Wichita, Kansas

Sec 20 Twp 15S Rge 28E

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name..... M. Coberly Well #..... 1

Sec..... 20 Twp..... 15S Rge..... 28 ☐ East
☒ West County..... Gove

WELL LOG

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 ☒ Yes ☐ No
Samples Sent to Geological Survey ☒ Yes ☐ No
Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

Name Top Bottom

DST #1 - 3779'-3848' (Lansing "H" & "I" zones). Recovered 300' of muddy water, no show of oil.
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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 1/2"....	 8-5/8"....	 23#....	 300....	 60-40 Poz....	 185....	 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

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☐ Perforation
☐ Sold ☐ Other (Specify)
☐ Used on Lease ☐ Dually Completed
☐ Commingled

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR Ritchie Exploration, INC LEASE NAME M. Coberly #1 SEC. 20 TWP. 15 SRGE. 28

FILL IN WELL LOG AS REQUIRED:

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NOV 2 1987
CONSERVATION DIVISION
Richie, K. 525