

2nd
RELEASED

S
SIDE ONE

3/27/87
KCC

APR 1 1987
Date: STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
FROM COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5198
Name A. Scott Ritchie
Address 125 N. Market, Suite
City/State/Zip Wichita, KS 67202

Purchaser Koch Oil Company
Wichita, Kansas

Operator Contact Person Rocky Milford
Phone 316/267-4375

Contractor: License # 6033
Name Murfin Drilling Co

Wellsite Geologist Bob Buffo
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 CWNO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
☒ Mud Rotary ☐ Air Rotary ☐ Cable
11/06/85 11/22/85 12/27/85
Spud Date Date Reached TD Completion Date
4735' n/a
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 432' feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No
If yes, show depth set 2188 feet
If alternate 2 completion, cement circulated
from 2188 feet depth to 400' w/ 610 SX cmt
Cement Company Name Allied Cementing Co
Invoice # 807

API NO. 15-171-20,312
County Scott
C N/2 NW 9 Sec 19 Twp 33 East
4620 Ft North from Southeast Corner of Section
3960 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)
Lease Name H.C. MILLER Well # 1
Field Name not named
Producing Formation Marmaton
Elevation: Ground 2959' KB 2964'
Section Plat

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INFORMATION
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FEB 03 1986
State Geological Survey
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Water # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
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. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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.

Operator Name A. Scott Ritchie Lease Name H.C. MILLER Well # 1Sec. 9 Twp. 19S Rge. 33W ☐ East ☒ West County Scott

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	Formation Description ☒ Log ☐ Sample
Samples Sent to Geological Survey	☒ Yes	☐ No	
Cores Taken	☐ Yes	☒ No	

DST #1 from 3650' to 3770' (Middle Topeka). Recovered 540' of oil cut muddy water (10% oil, 37% mud, & 53% water). IFP: 87-206#/30"; ISIP: 1004#/30"; FFP: 249-303#/30"; FSIP: 972#/30".

DST #2 from 3598' to 3638' (Upper Topeka). Straddle test. Recovered 180' of mud, no show of oil (tool slid 12' to bottom). IFP: 99-99#/30"; ISIP: 905#/30"; FFP: 99-99#/30"; FSIP: 861#/30".

DST #3 from 3795' to 3834' (Lower Topeka). Recovered 600' of oil spotted muddy sulphur water. IFP: 99-219#/30"; ISIP: 1002#/30"; FFP: 285-340#/30".

DST #4 from 3870' to 3885' (Toronto). Recovered 2,220' of sulphur water, no show oil. IFP: 450-861#/20"; ISIP: 1056#/30"; FFP: 991-1024#/15"; FSIP: 1056#/30".

Name	Top	Bottom
Anhydrite	2140' (+ 824)	
Lower Anhy	2215' (+ 749)	
B/Anhy	2230' (+ 734)	
Herington	2626' (+ 338)	
Krider	2660' (+ 304)	
Tarkio	3437' (- 473)	
Topeka	3589' (- 625)	
Heebner	3844' (- 880)	
Toronto	3862' (- 898)	
Lansing	3894' (- 930)	
B/KC	4310' (-1346)	
Marmaton	4338' (-1374)	
Pawnee	4422' (-1458)	
Ft. Scott	4470' (-1506)	
Cher. Sh.	4495' (-1531)	
Morrow sh.	4618' (-1654)	
Upper Mo.sd.	4654' (-1690)	
Lower Mo.sd.	absent	
Basal sd.	4667' (-1703)	
Miss.	4674' (-1710)	
	LTD	4730' (-1766)

Casing Record ☒ New ☐ Used LTD							
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"		432'	60/40 ppz	300	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	4747'	60/40 ppz	325	10% salt, 3% Gilsonite
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2 SSB	4382' to 4387'			Acidized with 750 gal. of 15% NE		4382-87	
TUBING RECORD				Liner Run ☐ Yes ☐ No			
Date of First Production	Producing Method			☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....			

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SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR A. SCOTT RITCHIE LEASE NAME H.C. MILLER SEC. 9 TWP. 19 RGE. 33

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored 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 #5 from 3898' to 3916' (Lansing "A" zone). Recovered 1140' of sulphur water with a few spots of oil. IFF:43-368#/30"; ISIP:961#/30"; FFP:390-519#/30"; FSIP:940#/30".				
DST #6 from 3958' to 4012' (L/KC "D" & "E" zones). Recovered 70' of watery mud with a few spots of oil in tool. IFF:66-66#/30"; ISIP:1067#/45"; FFP:99-99#/30"; FSIP:1045#/45".				
DST #7 from 4123' to 4164' (L/KC "I" zone). Recovered 330' of sulphur water with a few oil spots in tool. IFF:77-121#/30"; ISIP:1142#/45"; FFP:175-186#/30"; FSIP:1121#/45".				
DST #8 from 4189' to 4208' (L/KC "J" zone). Recovered 1680' of sulphur water with a few spots of oil. IFF:186-569#/15"; ISIP:1185#/30"; FFP:677-786#/15"; FSIP:1185#/30".				
DST #9 from 4320' to 4352' (Marmaton). Recovered 30' of oil spotted mud. IFF:66-66#/45"; ISIP:450#/45"; FFP:66-66#/45"; FSIP:132#/45".				
DST #10 from 4356' to 4395' (Lower Marmaton). Recovered 1,000' of gassy frothy oil (10% gas, 69% oil, 5% mud, 16% water). IFF:143-296#/15"; ISIP:1131#/30"; FFP:395-461#/15"; FSIP:1131#/30".				
DST #11 from 4519' to 4564' (Cherokee). Recovered 20' of mud with a few specks of oil in the tool. IFF:55-55#/30"; ISIP:66#/30"; FFP:66-66#/30"; FSIP:66#/30".				
DST #12 from 4624' to 4663' (Upper Marmaton). Recovered 365' of muddy water, few spots of oil in tool. IFF:66-121#/45"; ISIP:1207#/45"; FFP:164-186#/45"; FSIP:1207#/45".				

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Geological Survey
DATA BRANCH

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	23		60		
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold

☐ Open Hole ☒ Perforation
☐ Other (Specify)

4382'-87'
.....

WELL LOG

COMPANY A. Scott Ritchie
125 N. Market, Suite 950
Wichita, KS 67202

SEC. 9 T. 19S R. 33W
LOC. N/2 NW

FARM H.C. Miller **NO.** 1

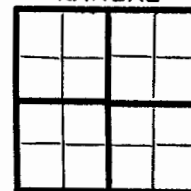
RIG. NO. 2
TOTAL DEPTH 4735'

COMM. 11-06-85 **COMP.** 11-24-85

COUNTY Scott
KANSAS

CONTRACTOR Murfin Drilling Company
250 N. Water, Suite 300
Wichita, KS 67202

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CASING
20
15
12
13

10
8 -5/8" set @ 432' w/300 sx 60/40 Poz, 2% Gel, 3% CC.
6
5

ELEVATION

4-1/2" set @ 4717' w/325 sx 60/40 Poz, 10% Salt + 560 sx 50/50 Poz, 6% Gel.

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Clay & Sand	130'
Shale	432'
Shale & Sand	1732'
Sand	1882'
Shale & Sand & Anhydrite	2250'
Shale & Lime (RTD)	4735'

FEB 03 1986
State Geological Survey
WICHITA BRANCH

DEC 16 1985