

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 OMWD: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

9-28-87 10-7-87 10/08/87
Spud Date Date Reached TD Completion Date

4670' 4580'
Total Depth PBTD

8-5/8" @ 304'

Amount of Surface Pipe Set and Cemented at.....feet
Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set... 2470.....feet

If alternate 2 completion, cement circulated
from 2470'.....feet depth to surface 400' SX cmt

Cement Company Name Allied Cementing.....

Invoice # 50047.....

API No. 15-063-21,144.....

County..... Gove.....

SE SW SE Sec 15 Twp 11S Rge 31 East
..... West

330
1650 Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

Lease Name..... Rodie..... Well #..... 2.....

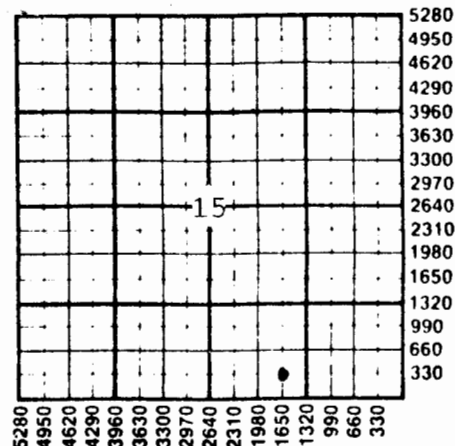
Field Name.....

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

Elevation: Ground..... 2973'..... KB..... 2978'

Section Plat

FEB 0



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. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission.

METHOD OF COMPLETION

Production Interval

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

4220'-4222'
.....
4184'-4186'
.....

99706

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Rodie Well # 2

Sec. 15 Twp. 11S Rge. 31 ☐ East ☒ West County Gove

WELL LOG

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	20 Bbls	MCF	100 Bbls	CFPB	

Drill Stem Tests Taken ☒ Yes ☐ No
Samples Sent to Geological Survey ☒ Yes ☐ No
Cores Taken ☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

DST #1 from 4163' to 4256' (L/KC H-J zones).
Recovered 140' of gas in pipe and 100' of
oil and gas cut mud.
IFP:70-81#/30"; ISIP:1283#/45";
FFP:93-105#/30"; FSIP:1271#/45".

DST #2 from 4249' to 4318' (L/KC K&L zones).
Recovered 720' of watery mud.
IFP:268-327#/30"; ISIP:1866#/30";
FFP:362-397#/30"; FSIP:1660#/30".

DST #3 from 4465' to 4505' (Myrick Sta.).
Recovered 20' of mud, few spots of oil &
gassy odor. IFP:46-46#/30"; ISIP:709#/45".
FFP:46-58#/30"; FSIP:698#/45".

DST #4 from 4589' to 4609' (Cgl. sand). Re-
covered 2' of free oil and 135' of slightly
oil cut watery mud. IFP:35-58#/45"; ISIP:986#/45";
FFP:70-81#/60"; FSIP:951#/45".

Name	Top	Bottom
Anhydrite	2505' (+ 473)	
B/Anhydrite	2533' (+ 445)	
Topeka	3767' (- 789)	
Heebner	3990' (-1012)	
Toronto	4016' (-1038)	
Lansing	4032' (-1054)	
Stark	4253' (-1275)	
B/KC	4311' (-1333)	
Marmaton	4341' (-1363)	
Pawnee	4435' (-1457)	
Myrick Sta.	4481' (-1503)	
Ft. Scott	4505' (-1527)	
Cher.	4532' (-1554)	
Johnson zn.	4576' (-1598)	
Cgl. sand	4600' (-1622)	
Miss.	4618' (-1640)	
Miss. dolo.	4648' (-1670)	
LTD	4668' (-1690)	

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#	304'	60-40 Poz	180	2% gel, 3% ct
Production	7-7/8"	4 1/2"	10.5#	4667'	60-40 poz	190	2% gel, 5% gilsonite

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated
2 SSB	2160'
4 jets	4600'-4608'
1 3/8"	4221' & 4185'
2 SSB	4220'-22'; 4184'-86'

Acid, Fracture, Shot, Cement Squeeze Record

(Amount and Kind of Material Used)	Depth
Squeezed w/300 sax 50/50	
poz & 75 sax 60/40 poz	2160'
Acidized w/500 g. 15% MCA	4600' -08'
Acidized w/1000 g. 15% MCA	4221' & 4185'

TUBING RECORD	Size	Set At	Packer at	Liner Run	☐ Yes ☐ No
Date of First Production	Producing Method				
	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....				