

**State Geological Survey**  
WICHITA, BRANCH

**KANSAS DRILLERS LOG**

S. 4 T. 28 R. 24 E  
W  
Loc. 100' W E NW OF C NW 1/4  
County Crawford

API No. 15 — 037 — 20,130  
County Number

Operator  
Cities Service Oil Co.

Address 700 Sutton Place Bldg., Wichita, Kansas 67202

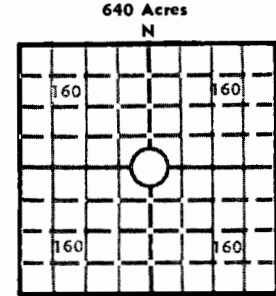
Well No. #2 Lease Name Rutherford A

Footage Location  
feet from (N) (S) line feet from (E) (W) line

Principal Contractor EXPLORATION, INC. Geologist MARK YORK

Spud Date 8-28-74 Total Depth 511 P.B.T.D.

Date Completed 8-29-74 Oil Purchaser



Locate well correctly  
Elev.: Gr. 974'  
DF \_\_\_\_\_ KB \_\_\_\_\_

**CASING RECORD**

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
<u>SURFACE</u>	<u>8 5/8"</u>	<u>7"</u>		<u>20'</u>	<u>DID NOT CEMENT</u>		

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

**TUBING RECORD**

Size	Setting depth	Packer set at

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated

**INITIAL PRODUCTION**

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		

**INSTRUCTIONS:** As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator

*CITGO*

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No.

*2*

Lease Name

*RUTHERFORD "A"*

*STRAT TEST*

*S 4 T 28 R 24 E*

**WELL LOG**

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
<i>ATTACHED</i>				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received



*Charles E. Forester*

Signature

*REGIONAL PETR. ENGINEER*

Title

*9-25-74*

Date

4-28-24E

CITIES SERVICE OIL COMPANY

Core Hole No. 15

#2 Rutherford A

~~C-NW~~ Sec 4-28S-24E

Crawford County, Kansas

100' W OF C NW/4

Contractor: Exploration Inc.

G.L. Elev.: 974' T.D. = 511

Drlg Comm.: 8-28-74

Drlg. Comp: 8-29-74



- 0-2 - Top soil and black shale.
- 2-10 - Ls, white-light gray, medium-fine xln, fossil, poor porosity, no shows.
- 10-25 - Sh, dark gray-black, slightly silty.
- 25-27 - Ls, tan-brown, mottled, fine xln, poor porosity, no shows.
- 27-41 - Sh, gray-dark gray.
- 41-42 - Ls, light gray-tan, fine xln, poor porosity, no shows.
- 42-60 - Sh, light gray, soft.
- 60-75 - Sh, gray silty w/partings of dead flaky oil.
- 75-78 - Sh, dark gray, dense.
- 78-94 - Ls, tan-brown, mottled, fine-medium xln, fossil, cherty, poor porosity, no shows.
- 94-96 - Sh, black, fossil, dense. Also coal seam.
- 96-98 - Sh, dark gray, slightly silty.
- 98-102 - Ls, brown, fine xln, poor porosity, no shows.
- 102-108 - Sh, dark gray.
- 108-110 - Coal seam and black shale, pyritic.
- 110-120 - Sand, silty, light gray, fine grain, poor porosity, no shows, mica, pyritic.
- 120 - Changed from rotary to drag bit.
- 120-195 - Sh, sandy-silty, mica, pyritic, gray, w/flakes of dead oil, poor porosity, no shows.
- 196-204 - Sh, gray, slightly silty.
- 204-206 - Sh, black, fossil, dense.
- 206-215 - Sh, light gray-gray.
- 215 - Changed to rotary bit.
- 215-218 - Ls, brown-tan, mottled, fine xln, fossil, poor porosity, no shows.
- 218-224 - Sh, dark gray-black.
- 224-226 - Ls, brown, fine xln, very poor porosity, no shows.
- 226-228 - Sh, black, dense.
- 228-230 - Sh, gray-dark gray.
- 230-231 - Coal seam.
- 231-240 - Sd, silty, mica, very fine grain, white-light gray, poor porosity, no shows, a few partings of flaky dead oil.
- 240-248 - Sh, gray sandy-silty, mica, w/particles of dead flaky oil.
- 248-270 - Sd, silty, mica, fine-medium grain, tan-light brown fair poor porosity, oil odor, no shows.
- 270-280 - Sd, silty, mica, fine grain, tan-brown, poor porosity, faint oil odor, also laminations of dead flaky oil.

