

KANSAS DRILLERS LOG

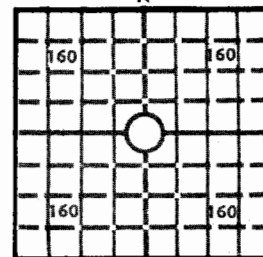
API No. 15 — 163 — 20673
County Number

S. 3 T. 9S R. 18 Ex W

Loc. 430' FWL, 990' FSL

County Rocks

640 Acres



Elev.: Gr. 2002'

DF 2005' KB 2007'

Operator

Cities Service Oil Company

Address

700 Sutton Place Bldg., 209 E. William, Wichita, KS 67202

Well No.

1

Lease Name

Richardson "A"

Footage Location

990

feet from ~~N~~ (S) line

430

feet from ~~E~~ (W) line

Principal Contractor

Abercrombie Drilling, Inc.

Geologist

John Rose

Spud Date

1-26-77

Total Depth

3564

P.B.T.D.

Date Completed

2-6-77

Oil Purchaser

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 |
|-------------------|--------------------|---------------------------|----------------|---------------|-------------|-------|----------------------------|
| Surface | 12 $\frac{1}{4}$ " | 8-5/8" | 24# | 280' | Class "A" | 175 | 2% CaCl ₂ |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

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

| Size | Setting depth | Packer set at | | | |
|------|---------------|---------------|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD


| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| | |
| | |
| | |

RECEIVED
STATE CORPORATION COMMISSION
MAR 1 1977
CONSERVATION DIVISION
Wichita, Kansas

INITIAL PRODUCTION

| | | | | | |
|--|---|-------|-----------------------|---------------|------|
| Date of first production | Producing method (flowing, pumping, gas lift, etc.) | | | | |
| Dry Hole | | | | | |
| RATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio | |
| | bbls. | bbls. | MCF | bbls. | 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 Cities Service Oil Company | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: | | | | | |
|---|--|---|---|------|-------|--------------|--|
| Well No. 1 | Lease Name Richardson "A" | Dry Hole | | | | | |
| S 3 T 9S R 18 5 | | | | | | | |
| WELL LOG | | SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION. | | | | | |
| 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. | | | | | | | |
| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; padding: 5px;">NAME</th> <th style="width: 50%; padding: 5px;">DEPTH</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="height: 400px; vertical-align: top; padding: 10px;">See attached</td> </tr> </tbody> </table> | NAME | DEPTH | See attached | |
| NAME | DEPTH | | | | | | |
| See attached | | | | | | | |
| USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD. | | | | | | | |
| Date Received | <div style="text-align: center;">  Signature E. W. Peterman Region Operations Manager Title 3-9-77 Date </div> | | | | | | |

5992

CONTRACTOR'S WELL LOG

15-163-20673

OPERATOR: Cities Service Oil Co.
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: RICHARDSON "A" #1
LOCATION: NW SW SW, Section 3-9S-18W
Rooks County, Kansas
SPUD DATE: 1-26-77
COMPLETION DATE: 2-06-77

| | | |
|------|------|--------------------|
| 0 | 210 | Clay & Sand |
| 210 | 281 | Shale |
| 281 | 1362 | Shale & Sand |
| 1362 | 1399 | Anhydrite |
| 1399 | 1429 | Shale |
| 1429 | 2482 | Shale & Lime |
| 2482 | 2450 | Lime & Shale |
| 2950 | 3475 | Lime |
| 3475 | 3564 | Lime & Chert |
| | 3564 | Rotary Total Depth |

Spud hole at 6:30 p.m. 1-26-77. Cut 281' of 12 $\frac{1}{4}$ " hole. Ran 7 jts. of 8 5/8" Surface Casing. (Tally 273') Set at 280' with 175 sx. of Class "A" Cement, 2% Ca. Cl. Plug was down at 2:45 a.m. 1-27-77. Cement did circulate.

T.D. 3564', Set 1st plug at 550' with 50 sx., 2nd plug at 240' with 25 sx., 3rd plug at 40' with 10 sx., 50/50 posmix, 2% gel. Plug was down at 1:30 a.m. 2-06-77. State Plugger - Leo Massey.

AMPLE TOPS:

Anhydrite 1361'
B/Anhydrite 1399'

STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct log of the RICHARDSON "A" #1, NW SW SW, Section 3-9S-18W, Rooks County, Kansas.

Abercrombie Drilling, Inc.

BY: Jack L. Partridge
Jack L. Partridge, Asst. Sec.-Treas.