

# State Geological Survey

WICHITA BRANCH

## KANSAS DRILLERS LOG

15-119-20285

API No. 15 — 119 — 20,285  
County Number

Operator

Imperial Oil Company

Address

720 Fourth Financial Center Wichita, Kansas 67202

Well No.

#3-19

Lease Name

Sanders Ranch

Footage Location

1320

feet from ~~XXX~~ (S) line

330

feet from ~~XXX~~ (W) line

Principal Contractor

Sage Drilling Co., Inc.

Geologist

Richard E. Roby

Spud Date

9-7-77

Total Depth

RTD: 5730'

P.B.T.D.

LTD: 5732'

Date Completed

10-2-77

Oil Purchaser

Gas Well

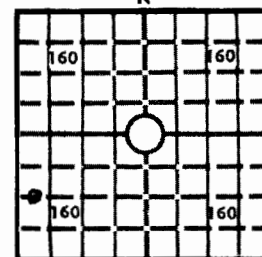
S. 19 T. 32 R. 28 <sup>R</sup>W

Loc. C W2 W2 SW

County Meade

640 Acres

N



Locate well correctly

Elev.: Gr. 2616'

DF KB 2621'

### 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 |
|-------------------|-------------------|---------------------------|----------------|---------------|----------------------|------------|----------------------------|
| Casing            |                   | 13 3/8"                   |                | 378'          |                      | 300        |                            |
| Surface           | 12 1/4"           | 8 5/8"                    |                | 1507'         | Halco lite<br>Common | 600<br>200 |                            |
| Production        | 7 7/8"            | 5 1/2"                    |                | 5690'         | Lite wt.<br>Pozmix   | 75<br>150  |                            |
|                   |                   |                           |                |               |                      |            |                            |

### LINER RECORD

### PERFORATION RECORD

| Top, ft. | Bottom, ft.   | Sacks cement  | Shots per ft. | Size & type | Depth interval |
|----------|---------------|---------------|---------------|-------------|----------------|
|          |               |               | 4             |             | 5594-5597'     |
| Size     | Setting depth | Packer set at |               |             |                |
|          | 5560'         |               |               |             |                |

### ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used                                | Depth interval treated |
|---|------------------------|
| 500 gal. MCA 15%; flushed w/ KCL wtr.;                          |                        |
| Frac. w/25,000 gal. gelled oil & condensate & 13,500# 20/40 sd, |                        |
|   |                        |

### INITIAL PRODUCTION

|  |       |  |                                    |               |      |
|--|-------|--|------------------------------------|---------------|------|
| Date of first production                                   |       | Producing method (flowing, pumping, gas lift, etc.)<br>flowing |                                    |               |      |
| RATE OF PRODUCTION<br>PER 24 HOURS                         | Oil   | Gas  | Water                              | Gas-oil ratio |      |
|  | bbls. | 4-point<br>3,794   | MCF                                | bbls.         | CFPB |
| Disposition of gas (vented, used on lease or sold)<br>sold |       |  | Producing interval(s)<br>5594-5597 |               |      |

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.

| <b>Operator</b><br>IMPERIAL OIL COMPANY   |  | <b>DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:</b>             |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
|---|--|---|--|------|-------|---------|---------------|---------|---------------|---------|---------------|----------|---------------|----------|---------------|-------|---------------|--------|---------------|-------|---------------|------|---------------|------|---------------|
| <b>Well No.</b><br>No. 3-19   | <b>Lease Name</b><br>SANDERS RANCH   | GAS   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| S19 T 32S R 28 <sup>XXX</sup><br>W  |  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| <b>WELL LOG</b><br><small>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.</small>   |  | <b>SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.</b> |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| <b>FORMATION DESCRIPTION, CONTENTS, ETC.</b>  | <b>TOP</b>   | <b>BOTTOM</b>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">NAME</th> <th style="padding: 5px;">DEPTH</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">Heebner</td><td style="padding: 5px;">4393' (-1772)</td></tr> <tr><td style="padding: 5px;">Toronto</td><td style="padding: 5px;">4413' (-1792)</td></tr> <tr><td style="padding: 5px;">Lansing</td><td style="padding: 5px;">4534' (-1913)</td></tr> <tr><td style="padding: 5px;">Marmaton</td><td style="padding: 5px;">5149' (-2528)</td></tr> <tr><td style="padding: 5px;">Cherokee</td><td style="padding: 5px;">5311' (-2690)</td></tr> <tr><td style="padding: 5px;">Atoka</td><td style="padding: 5px;">5535' (-2914)</td></tr> <tr><td style="padding: 5px;">Morrow</td><td style="padding: 5px;">5590' (-2969)</td></tr> <tr><td style="padding: 5px;">Miss.</td><td style="padding: 5px;">5650' (-3029)</td></tr> <tr><td style="padding: 5px;">RTD:</td><td style="padding: 5px;">5730' (-3109)</td></tr> <tr><td style="padding: 5px;">LTD:</td><td style="padding: 5px;">5732' (-3111)</td></tr> </tbody> </table> | NAME | DEPTH | Heebner | 4393' (-1772) | Toronto | 4413' (-1792) | Lansing | 4534' (-1913) | Marmaton | 5149' (-2528) | Cherokee | 5311' (-2690) | Atoka | 5535' (-2914) | Morrow | 5590' (-2969) | Miss. | 5650' (-3029) | RTD: | 5730' (-3109) | LTD: | 5732' (-3111) |
| NAME  | DEPTH  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Heebner   | 4393' (-1772)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Toronto   | 4413' (-1792)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Lansing   | 4534' (-1913)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Marmaton  | 5149' (-2528)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Cherokee  | 5311' (-2690)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Atoka   | 5535' (-2914)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Morrow  | 5590' (-2969)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| Miss.   | 5650' (-3029)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| RTD:  | 5730' (-3109)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| LTD:  | 5732' (-3111)  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| DST #1: 5554-5584 30-60-20-70<br>Rec. 15' mud.<br>ISIP: 51# FSIP: 49#<br>FP: 38-34/38-43<br><br>DST #2: 5585-5625' 60-120-180-120<br>Rec. 10' GCM; GTS in 15 min.<br>Gauged: in 30 min., 116 Mcf<br>60 min. 166 Mcf<br>2nd open, gauged:<br>in 15 min. 159 Mcf<br>60 min. 193 Mcf<br>180 211 Mcf<br>ISIP: 1938# FSIP: 1890#<br>FP: 47-44/72-68<br><br>DST #3: 5628-5660' Packer failed<br><br>DST #4: 5662'-5730' 30-60-30-60<br>Rec. 310' drlg. mud.<br>ISIP: 884# FSIP: 465#<br>FP: 261-482/490-162 |  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.   |  |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |
| <b>Date Received</b>  | <div style="margin-bottom: 10px;"> <br/>           Signature         </div> <div style="margin-bottom: 10px;">           Exploration Manager<br/>           Title         </div> <div>           October 26, 1977<br/>           Date         </div> |   |  |      |       |         |               |         |               |         |               |          |               |          |               |       |               |        |               |       |               |      |               |      |               |