

WICHITA BRANCH  
WELL COMPLETION REPORT AND  
DRILLER'S LOG

API No. 15 — 151 — 20, 720  
County Number

Operator  
W. L. KIRKMAN, INC.

Address P. O. BOX 18611  
Wichita, Kansas 67207

Well No. 4 Lease Name OTTO HOEME

Footage Location  
660 feet from (N)  line feet from (E) (W) line 660

Principal Contractor H-30, Inc. Geologist G. MICHAEL

Spud Date 1-26-80 Date Completed 2-02-80 Total Depth 3190 P.B.T.D.

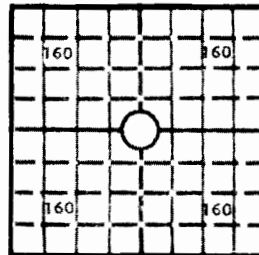
Directional Deviation Oil and/or Gas Purchaser

S. 20 T. 26 R. 12 <sup>EX</sup> <sub>W</sub>

Loc. C NW SE

County Pratt

640 Acres  
N



Locate well correctly

Elev.: Gr. 1909

DF 1915 KB 1918

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 1/4            | 8 5/8                     |                | 453           |             | 350   |                            |
| Production        | NONE              | P & A                     |                |               |             |       |                            |
|                   |                   |                           |                |               |             |       |                            |
|                   |                   |                           |                |               |             |       |                            |

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)<br>D & A |           |   | 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, 245 No. Water, Wichita, Kansas 67202. 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 **W. L. KIRKMAN, INC.** DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. **4** Lease Name **OTTO HOEME** DRY HOLE

S 20 T 26 R 12 <sup>Ex</sup><sub>W</sub>

**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   |
|--|-----|--------|--|---|
| DST #1: Indian Cave<br>2683-2720<br>30-30-30-30<br>Weak Blow<br>Recovered 135' slightly gas cut mud.<br>IFP 63-63                      FFP 84-116<br>ISIP 189                        FSIP 632<br>HP 1371-1318                TEMP 97°                            |     |        | Herington<br>Winfield<br>Towanda<br>Ft. Riley<br>B/Florence<br>Wreford<br>Cottonwood<br>Red Eagle<br>Indian Cave | 1924 (- 6)<br>1981 (- 63)<br>2048 (- 130)<br>2094 (- 176)<br>2194 (- 276)<br>2246 (- 328)<br>2402 (- 484)<br>2536 (- 614)<br>2684 (- 766) |
| DST #2: Upper Severy<br>3122-38<br>10-45<br>Weak blow, died in 10 minutes.<br>Slid tool 20' -- misrun-tool plugged. Recovered 220' mud.<br>IFP --                        FFP --<br>ISIP 1086                      FSIP --<br>HP 1641-1610                TEMP -- |     |        | Wabaunsee<br>Tarkio<br>Elmont<br>Bern<br>Howard<br>Severy<br>Topeka  | 2720 (- 802)<br>2848 (- 930)<br>2916 (- 998)<br>2994 (-1076)<br>3069 (-1151)<br>3125 (-1207)<br>3160 (-1242)                              |
| DST #3: Upper Severy<br>3122-38<br>30-30-30-30<br>Weak Blow<br>Recovered 90' mud.<br>IFP 21-21                      FFP 42-42<br>ISIP 722                        FSIP 629<br>HP 1661-1631                TEMP 100°   |     |        |  |   |
| DST #4: Lower Severy<br>3139-48<br>30-30-30-30 Good Blow<br>Recovered 500' water<br>IFP 63-168                      FFP 210-241<br>ISIP 775                        FSIP 775<br>HP 1641-1610                TEMP 110°   |     |        |  |   |

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

|               |                      |
|---------------|----------------------|
| Date Received | <i>Terry Merland</i> |
|               | Signature            |
|               | Geologist            |
|               | Title                |
|               | February 18, 1980    |
|               | Date                 |

KANSAS DRILLERS LOG

COMPANY **W. L. Kirkman, Inc.**

SEC. 20 T. 26S R. 12W

FARM **Otto Hoeme** NO. 4

LOC. **C-NW SE**

COUNTY **Pratt**

ROTARY TOTAL DEPTH **3,190'**  
COMM. **January 26, 1980** COMP. **February 2, 1980**  
CONTRACTOR **H-30, INC. (Rig #3)**  
ISSUED **February 11, 1980**

CASING

10 3/4"  
8 5/8" **Set at 453' cemented w/350 sxs cement**  
5 1/2"  
4 1/2"

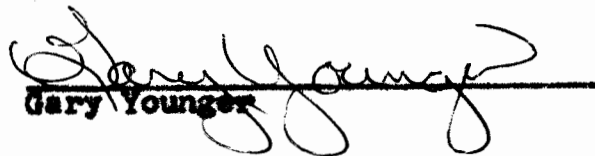
ELEVATION **1,914'K.B.**

FIGURES INDICATE BOTTOM OF FORMATIONS

|                    |        |
|--------------------|--------|
| Sand               | 204'   |
| Red Bed            | 1,143' |
| Red Bed and Shale  | 1,800' |
| Shale and Lime     | 1,993' |
| Lime and Shale     | 3,190' |
| Rotary Total Depth | 3,190' |

I hereby certify the above and foregoing to be  
a true and correct log of the above described  
well as shown by the drilling reports.

H-30, INC.

  
Gary Younger

State of Kansas }  
County of Sedgwick } SS:

Subscribed and Sworn to before me a Notary Public  
in and for said county and state this 11th day of  
February, 1980.