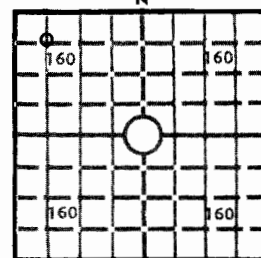


## KANSAS DRILLERS LOG

State Geological Survey  
WICHITA, BRANCHAPI No. 15 — 077 — 20,213  
County NumberS. 2 T. 34 R. 8  $\frac{1}{2}$  W

Loc. C NW NW

County Harper

640 Acres  
N

Locate well correctly

Elev.: Gr. 1407

DF 1409 KB 1411

Operator

HELBING AND ROBERTS

Address

1500 City National Bank Tower  
Oklahoma City, Oklahoma 73102

Well No.

1

Lease Name

WHARTON

Footage Location

660 feet from (N)  $\frac{1}{2}$  line660 feet from  $\frac{1}{2}$  (W) line

Principal Contractor

DNB Drilling, Inc.

Geologist

John C. Roberts

Spud Date

11-12-73

Total Depth

4676

P.B.T.D.

Date Completed

1-7-74

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 Casing    | 11"               | 8-5/8"                    | 20#            | 280'          | Common      | 100   | 2% Gel   |
| Production        | 7-7/8"            | 4-1/2"                    | 9.5#           | 4652'         | Pozmix      | 125   | 18% salt<br>.75% CFR-2<br>12.5# Gilsontite/sk. |
|                   |                   |                           |                |               |             |       |  |
|                   |                   |                           |                |               |             |       |  |

## 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 |
|------------|---------------|---------------|
| 2-3/8" EUE | 4646'         |               |

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| 1000 Gals. MOD-202 Acid          | 4652-4676 (open hole)  |
|                                  |                        |
|                                  |                        |

## INITIAL PRODUCTION

|  |                       |  |  |                       |  |
|--|-----------------------|--|--|-----------------------|--|
| Date of first production<br>1-7-74                                       |                       | Producing method (flowing, pumping, gas lift, etc.)<br>Flowing |  |                       |  |
| RATE OF PRODUCTION<br>PER 24 HOURS                                       | Oil<br>Trace<br>bbls. | Gas<br>1109<br>MCF   | Water<br>Trace<br>bbls.                        | Gas-oil ratio<br>CFPB |  |
| Disposition of gas (vented, used on lease or sold)<br>Vented DURING TEST |                       |  | Producing interval(s)<br>4652-4676 (open hole) |                       |  |

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<br>HEL BING AND ROBERTS                    |                       | DESIGNATE TYPE OF COMP.: OIL, GAS,<br>DRY HOLE, SWDW, ETC.:<br>Gas |
| Well No.<br>1                                       | Lease Name<br>WHARTON |  |
| S <u>2</u> T <u>34</u> R <u>8</u> <del>X</del><br>W |                       |  |

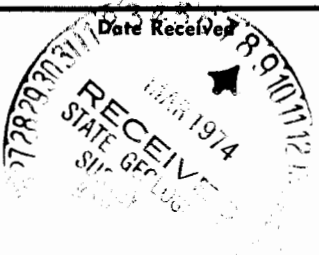
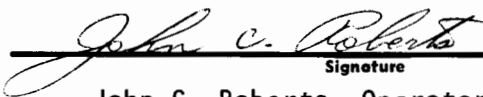
### WELL LOG

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 |
|--|------|--------|----------------------------|-------|
| Surface hole   | 0    | 285    |                            |       |
| Shale  | 285  | 980    |                            |       |
| Shale & Lime   | 980  | 2750   |                            |       |
| Lime & Shale   | 2750 | 3590   |                            |       |
| Shale & Lime   | 3590 | 3865   |                            |       |
| Sand   | 3865 | 3900   |                            |       |
| Lime & Shale   | 3900 | 3925   |                            |       |
| Shale & Lime   | 3925 | 4069   |                            |       |
| Lime & Shale   | 4069 | 4199   |                            |       |
| Lime   | 4199 | 4315   |                            |       |
| Lime & Shale   | 4315 | 4399   |                            |       |
| Lime   | 4399 | 4673   |                            |       |
|  |      | 4676   | Driller T. D.<br>Log T. D. |       |
| DST #1 4647-4673<br>15" pre-flow GTS 5" 12,700 CFG<br>25" 2nd flow Stab. @ end of flow<br>period @ 73,600 CFG<br>Rec. 120' SLI Gas Cut Mud<br>IH 2389 FH 2354<br>IF 50 FF 40<br>ISI 1863/60" FSI 1855/90"<br>Temp. 130° F. |      |        |                            |       |

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

|   |   |
|---|---|
|  | <br>Signature |
|   | John C. Roberts, Operator   |
|   | Title   |
|   | February 20, 1974   |
| Date  |   |