

The Kansas Geological Survey needs samples from this well for research. If this well penetrates the PreCambrian, the Survey would like to have all the cuttings that contain crystalline samples. This is in addition to the samples normally sent in to the Wichita Well Sample Library.

22-1-264

KANSAS DRILLERS LOG

Ery Make Miller

S. 22 T. 1 R. 26 ^R_W
 Loc. SW NE NW
 County Decatur

API No. 15 — 039 — 20,475
County Number

Operator Oxford Exploration Co. 303-572-3821

Address 1538 1000 Denver Club Bldg. Denver, Colo 80202

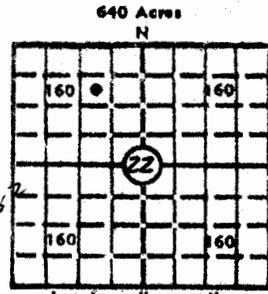
Well No. 22-33 Lease Name Richards

Footage Location 990 feet from (N) line 1550 feet from (E) (W) line

Principal Contractor Murfin Drilling Company Geologist Dave Park

Spud Date 11-26-79 Total Depth 3572 P.B.T.D. 3079

Date Completed 12-15-79 Oil Purchaser Ashland Oil, Inc.



Locate well correctly
 Elev.: Gr. 2458
 DP 2463 KB 2463

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 | Socks | Type and percent additives |
|-------------------|-------------------|---------------------------|----------------|---------------|-------------------|-------|----------------------------|
| Surface | 12 1/4 | 8 5/8 | 28 | 194 | 60-40 pozmix | 160 | 3% CaCl |
| Production | 7 7/8 | 4 1/2 | 9.5 | 3402 | 50-50 pozmix | 150 | 2% Gel., 10% salt |
| | | | | | Howcolite | 200 | |
| | | | | | stage tool @ 1946 | | |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|----------------|
| | | | 2 | 3/8"-Jets | 3286-90 |
| | | | 2 | 3/8"-Jets | 3260-65 |

TUBING RECORD

| Size | Setting depth | Packer set at |
|-------|---------------|---------------|
| 2 3/8 | 3351 | None |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|---|------------------------|
| 800 gals. MCA; 2500 gals CRA) | 3286-3290 |
| 300 gals. MCA; 1500 gals. CRA) Communicated | 3260-3265 |

INITIAL PRODUCTION

| | |
|--|---|
| Date of first production <u>1-17-80</u> | Producing method (flowing, pumping, gas lift, etc.) <u>Pump</u> |
| RATE OF PRODUCTION PER 24 HOURS | Oil <u>29</u> bbls. Gas <u>---</u> MCF Water <u>145</u> bbls. Gas-oil ratio <u>---</u> CFPB |
| Disposition of gas (vented, used on lease or sold) | Producing interval(s) <u>3260-65; 3286-90</u> |

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.

22-1-26W p1

Operator Oxford Exploration Company

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDOW, ETC.:
Oil well

Well No. 22-33 Lease Name Richards

S 22 T 1 S 26 W

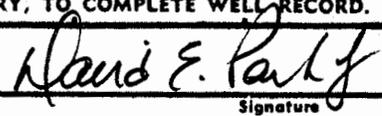
WELL LOG

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 |
|---|-----|--------|--|--------------------------------------|
| DST#1 (LKC) 3264-3283 0-15, SI-30, 0-45, SI-90 Recovered 20' oil 10' OCM 1' mud 169' wtr. | | | Anhydrite Toronto LKC B/KC Granite Wsh | 1925 3252 3259 3462 3565 |
| IH 1537 IF 24-60 ISIP 460 FF 60-107 FSIP 384 FH 1537 | | | | |
| DST #2 3296-3350 0-15, SI-30, 0-45, SI-90 Recovered 25' SOCM | | | | |
| IH IF 59-59 ISIP 236 FF 59-59 FSIP 118 FH | | | | |
| DST # 3 3540-3549 Misrun | | | | |
| DST #4 3502-3549 0-10, SI-20, 0-30, SI-60 Recovered 30' mud | | | | |
| IH 1758 IF 34-29 ISIP 483 FF 36-23 FSIP 709 FH 1695 | | | | |

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

| | |
|---------------|---|
| Date Received |  Signature |
| | President |
| | Title |
| | 2-27-80 Date |