

KANSAS DRILLERS LOG

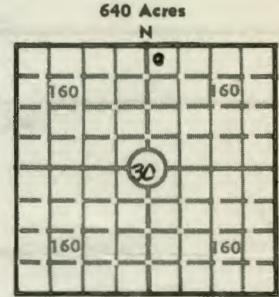
State Geological Survey
WICHITA, BRANCH

API No. 15 — 059 — 20,275
County Number

S. 30 T. 16 R. 21E E

Loc. NW NW NE

County Franklin



Operator: Rader Oil Co.
Address: #1 Eudora, Kansas 66025
Well No. #1 Lease Name: Ayers
Footage Location: 220 feet from (N) line, 2,420 feet from (W) line
Principal Contractor: Kent Drilling Co. Geologist: Dick Rader
Spud Date: August 7, 1976 Total Depth: 732 P.B.T.D.
Date Completed: October 4, 1976 Oil Purchaser: Bluebird Oil Co.

Elev.: Gr. _____
DF. _____ KB. _____

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 | 8 5/8 | 7 | 24 | 40 | Common | 9 | |
| Production | 6 1/4 | 4 1/2 | 11.0 | 715 | Salt sat. poz | 100 | salt, pozmix, gel |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|----------------|
| | | | 1 | 1/2 jet | 697-701 |

| Size | Setting depth | Packer set at |
|------|---------------|---------------|
| 2" | 693 | |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|----------------------------------|------------------------|
| 60 sx. sand 130 bbl. oil | 697-701 |

INITIAL PRODUCTION

Date of first production: October 4, 1976
Producing method (flowing, pumping, gas lift, etc.): Pumping

| RATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio |
|---------------------------------|---------|-----|---------|---------------|
| | 5 bbls. | MCF | 1 bbls. | CFPB |

Disposition of gas (vented, used on lease or sold): _____
Producing interval (s): 697-701

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

Rader Oil Co.

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

Oil

Well No.

1

Lease Name

Ayers

S 30 T 16 R 21 E

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 |
|---------------------------------------|-----|--------|------|-------|
| Soil & Clay | 0 | 4 | | |
| Lime | 4 | 15 | | |
| Shale | 15 | 22 | | |
| Lime | 22 | 56 | | |
| Shale | 56 | 89 | | |
| Lime | 89 | 111 | | |
| Shale | 111 | 191 | | |
| Lime | 191 | 214 | | |
| Shale & Shells | 214 | 274 | | |
| Lime | 274 | 278 | | |
| Shale | 278 | 308 | | |
| Lime | 308 | 334 | | |
| Shale | 334 | 344 | | |
| Lime | 344 | 365 | | |
| Shale | 365 | 370 | | |
| Lime | 370 | 381 | | |
| Shale | 381 | 533 | | |
| Lime | 533 | 548 | | |
| Shale | 548 | 564 | | |
| Lime | 564 | 568 | | |
| Shale | 568 | 575 | | |
| Lime | 575 | 585 | | |
| Shale | 585 | 597 | | |
| Lime | 597 | 601 | | |
| Shale | 601 | 611 | | |
| Lime | 611 | 615 | | |
| Shale & Shells | 615 | 630 | | |
| Lime | 630 | 638 | | |
| Shale | 638 | 642 | | |
| Sand (Oil) | 642 | 656 | | |
| Sandy Shale | 656 | 685 | | |
| Lime | 685 | 687 | | |
| Shale | 687 | 693 | | |
| Lime | 693 | 696 | | |
| Sand (Oil) | 696 | 704 | | |
| Sandy Shale | 704 | 728 | | |
| Shale | 728 | 732 TD | | |

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

Date Received

Richard Rader

Signature

Owner

Title

October 6, 1976

Date