

State Geological Survey

KANSAS DRILLERS LOG WICHITA, BRANCH

S. 2 T. 20 R. 8 ^K/_W
 Loc. 1650' WEL & 670' SNL
 County Rice SE NW NE

API No. 15 — 159 — 20,530
 County Number

Operator
Northern Natural Gas Company

Address
Box 88 Lyons, Kansas

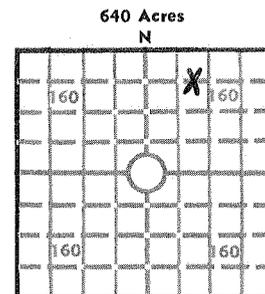
Well No. #02-02 Lease Name Alderman

Footage Location
670 feet from (N) (X) line 1650 feet from (E) (X) line

Principal Contractor GRAVES DRILLING Co. Geologist

Spud Date 2-20-75 Total Depth 3597 P.B.T.D.

Date Completed 4-7-75 Oil Purchaser



Locate well correctly
 Elev.: Gr. 1724
 DF _____ KB 1734

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 |
|-------------------|-------------------|---------------------------|----------------|---------------|------------------------|------------|----------------------------|
| <u>SURFACE</u> | <u>12 1/4"</u> | <u>8 5/8"</u> | <u>23.4</u> | <u>1087</u> | <u>50-50 Perm. mix</u> | <u>400</u> | <u>2% CACL</u> |
| <u>PRODUCTION</u> | <u>7 7/8"</u> | <u>5 1/2"</u> | <u>155</u> | <u>3597</u> | <u>50-50 Perm. mix</u> | <u>525</u> | <u>18% DACL</u> |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|---------------|-------------------|
| | | | <u>2</u> | <u>5" JET</u> | <u>3356-76'</u> |
| | | | <u>2</u> | <u>5" JET</u> | <u>3386-3406'</u> |

TUBING RECORD

| Size | Setting depth | Packer set at |
|---------------|---------------|---------------|
| <u>2 7/8"</u> | <u>3387</u> | <u>3379</u> |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|--|------------------------------|
| <u>1500 GAL, 15% HCL w/2 SEALER BALLS/BBL.</u> | <u>3356-76' + 3386-3406'</u> |
| | |
| | |

INITIAL PRODUCTION

Date of first production GAS STORAGE WELL Producing method (flowing, pumping, gas lift, etc.)

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

Disposition of gas (vented, used on lease or sold) _____ 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, 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.

