State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request samples on this well.

15-119-20318
5-35-30W

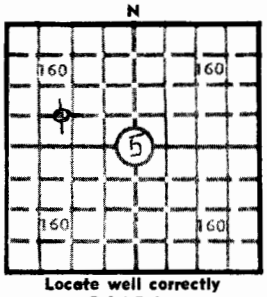
S. 5 T. 35 R. 30 E W

API No. 15 — 119 (County) — 20,318 (Number)

Loc. 1120' FWL & 1980' FNL

County Meade

640 Acres
N




Locate well correctly

Elev.: Gr. 2431'

DF 2439' KB 2442'

Operator
Northern Natural Gas Company

Address
P. O. Box 35288 Tulsa, Okla 74135

| Well No. | Lease Name |
|---|---|
| #1-5 | Adams |

Footage Location
1980' feet from (N) (S) line 1120' feet from (E) (W) line

| Principal Contractor | Geologist | |
|---|---|---|
| Rine Drilling | | |
| **Spud Date** | **Total Depth** | **P.B.T.D.** |
| July 12, 1978 | 6231' | |
| **Date Completed** | **Oil Purchaser** | |
| July 28, 1978 | | |

## 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 | 12¼" | 8-5/8" | 24# | 1499' | Class H<br>Halliburton lt | 150<br>600 | 3% CC<br>2% CC, ¼# flocele |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## LINER RECORD

| Top, ft. | Bottom, ft. | Sacks cement |
|---|---|---|
| | | |

## TUBING RECORD

| Size | Setting depth | Packer set at |
|---|---|---|
| | | |

## PERFORATION RECORD

| Shots per ft. | Size & type | Depth interval |
|---|---|---|
| | | |

## 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.) |
|---|---|
| None | |

| 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.

C-10-1972

| Operator | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
|---|---|
| Northern Natural Gas Co. | Dry Hole |

| Well No. | Lease Name |
|---|---|
| 1-5 | Adams |

S 5 T 35 R 30 E/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 | 0 | 111 | | |
| Red bed | 111 | 446 | | |
| Red bed & gypsum | 446 | 1405 | | |
| Red bed & anhydrite | 1402 | 1505 | | |
| Red bed, shale & anhydrite | 1505 | 1760 | | |
| Shale & anhydrite | 1760 | 2275 | | |
| Shale | 2275 | 2451 | | |
| Dolomite | 2451 | 2730 | | |
| Lime & shale | 2730 | 3025 | | |
| Dolomite | 3025 | 3217 | | |
| Lime & shale | 3217 | 5865 | | |
| Lime | 5865 | 5925 | | |
| Lime & shale | 5925 | 6231 | | |

Go Wireline Ran The Following Logs:
Compensated Density Compensated Neutron Log
Dual Induction-Laterolog
Analysis Induction Density
Complex Lithology

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

Date Received

Signature

Director of Production & Engineering

Title

August 7, 1978

Date

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