

KANSAS DRILLERS LOG

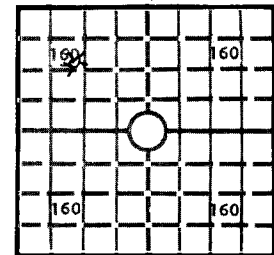
SEP 8 1972

API No. 15 — ¹⁸⁹Stevens — ¹⁸⁹20,133
County Number

S. 36 T. 31 R. 37 W

Loc. C NW/4

County Stevens

640 Acres
N

Locate well correctly

Elev.: Gr. 3082'

DF _____ KB 3093'

Operator

Mobil Oil Corporation

Address

P. O. Box 1934, Oklahoma City, Oklahoma 73101

Well No.

2

Lease Name

L. G. Blackmer

Footage Location

1250

feet from (N) (S) line

1250

feet from (E) (W) line

Principal Contractor

Zenith Drilling Company

Geologist

Roger Wilkinson

Spud Date

6-13-72

Total Depth

2958'

P.B.T.D.

2924'

Date Completed

7-5-72

Purchaser

Northern Natural Gas Co.

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 | 12 $\frac{1}{4}$ " | 8-5/8" | 20 | 600 | Lite Wate | 200 | 6% Ge1 |
| (30' into Permian) | | | | | Regular | 150 | 3% CaC12 |
| Production | 7-7/8" | 5 $\frac{1}{2}$ " | 14 | 2958' | Lite Wate | 225 | |
| | | | | | Regular | 150 | 18% Salt |

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 |
|---------------|-------------|----------------|
| 3 | 4"SDJ | 2884' - 2914' |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|--|------------------------|
| Acidized with 4000 gals. 15% HCL + 100 ball sealers. Fraced | 2884' - 2914' |
| with 14,000 gals. fresh water pad, 90,000 gals. frac fluid and | |
| 130,000# 10-20 sand. | 2884' - 2914' |

INITIAL PRODUCTION

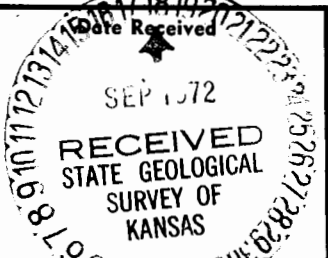
| | | | | |
|--|--|--------------------------|---|-----------------------|
| Date of first production 7-5-72 | Producing method (flowing, pumping, gas lift, etc.) Flowing | | | |
| RATE OF PRODUCTION PER 24 HOURS | Oil bbls. | Gas 3300 MCF bbls. | Water bbls. | Gas-oil ratio CFPB |
| Disposition of gas (vented, used on lease or sold) Sold | | | Producing interval (s) 2884' - 2914' | |

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.

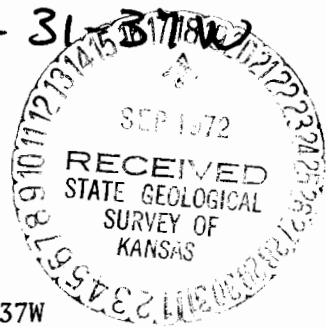
| | | |
|-----------------------------------|------------------------------|---|
| Operator Mobil Oil Corporation | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
| Well No. 2 | Lease Name L. G. Blackmer | Gas |
| S 36 T 31 R 37 E W | | |

| WELL LOG | | | SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION. | |
|---|------|--------|---|-------|
| 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. | | | | |
| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | NAME | DEPTH |
| Red Beds | 0 | 1760 | Cimarron | 1718 |
| Red Bed & Anhydrite | 1760 | 1980 | Wellington | 2228 |
| Shale, Lime | 1980 | 2460 | Chase | 2554' |
| Lime | 2460 | 2640 | Winfield | 2650 |
| Lime & Shale | 2640 | 2886 | Council Grove | 2878 |
| Lime | 2886 | 2958 | | |
| T.D. | 2958 | | | |
| P.B.T.D. | 2924 | | | |

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

| | |
|---|---|
|  | <i>Paul K. Langenberg</i> Paul K. Langenberg <small>Signature</small> Office Group Supervisor <small>Title</small> |
| | September 5, 1972 <small>Date</small> |
| | |

WELL LOG



COMPANY Mobil Oil Corporation

SEC. 36-31S-37W

FARM Blackmer Unit #1 NO. 2

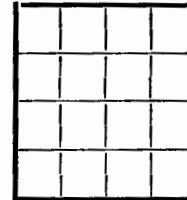
LOC.

TOTAL DEPTH 2958'

COUNTY Stevens

COMM. 6-13-72 COMP. 6-17-72

CONTRACTOR Zenith Drilling Corporation, Inc.



CASING

8-5/8" @ 592' w/350 sacks (30' into Permian)

5-1/2" @ 2958' w/400 sacks

ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

1760' Red Bed
1980' Red Bed, Anhydrite
2460' Shale, Lime
2640' Lime
2886' Lime, Shale
2958' Lime

State of Kansas
County of Sedgwick } ss

I, C. Robert Buford, President of Zenith Drilling Corporation, Inc.