

State Geological Survey
KANSAS BRANCH
WICHITA DRILLERS LOG

CONFIDENTIAL

S. 10 T. 9 R. 40 ^R/_W

API No. 15 — 181 — 20,014
County Number

Loc. C NW SE

County Sherman

Operator
Mountain Petroleum Corp.

Address
712 Denver Center Building Denver, Colorado

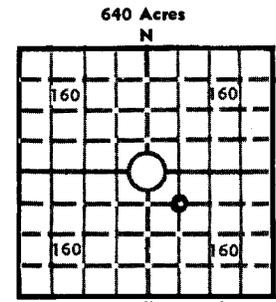
Well No. #1-10 Lease Name Topliff

Footage Location
1980 feet from (S) line 1980 feet from (E) line

Principal Contractor Exeter Drlg & Exploration Co. Geologist John Rathbone

Spud Date 5/3/74 Total Depth 1120' P.B.T.D. 1082'

Date Completed 3/14/75 Oil Purchaser ---



Elev.: Gr. 3723'

DF --- KB 3733'

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 1/4" | 8 5/8" | 18 | 304' KB | regular | 250 | 4% CaCl |
| production | 7 7/8" | 4 1/2" | 9 1/2 | 1117' KB | 50/50 pozmix | 100 | 2% gel, 10% KCl |
| | | | | | | | |
| | | | | | | | |

LINER RECORD

PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|----------------|
| | NONE | | one | jet | 1056'-1076' |

TUBING RECORD

| Size | Setting depth | Packer set at |
|------|---------------|---------------|
| 1" | 1056' | none |

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|--|------------------------|
| 36,000# 20/40 sand in 80% quality foam | 1056-1076' |
| | |
| | |

INITIAL PRODUCTION

| | | | | | |
|---|---------------|---|--------------------------------------|--------------------|--|
| Date of first production shut-in | | Producing method (flowing, pumping, gas lift, etc.) | | | |
| RATE OF PRODUCTION PER 24 HOURS | Oil --- bbls. | Gas 35 MCF | Water --- bbls. | Gas-oil ratio CFPB | |
| Disposition of gas (vented, used on lease or sold) vented test gas | | | Producing interval(s) 1056'-1076' | | |

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 Mountain Petroleum Corp. | | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
| Well No. 1-10 | Lease Name Topliff | Gas well |
| S 10 T 9 R 40 X 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 |
|--|-------|--------|------------------------------------|-------|
| Sharon Springs Member | 790' | | base bentonite | 999' |
| Niobrara | 1026' | to TD | Logs: Welex DIL, FDC/GR, SNP/GR | |
| <p>DST #1: 1042'-1078'; straddle test. Recovered 15' mud. Open 10 min., shut in 60 min., open 90 min., shut in 60 min. Tool opened with faint blow, dead at end of 70 min.</p> <p>IHP 522 IFP 25-35 ISIP 50 FFP 35 FSIP 40 FHP 526</p> | | | | |

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

| | |
|---------------|---|
| Date Received |  Signature |
| | President Title |
| | 7/18/75 Date |

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