

21-22-21W

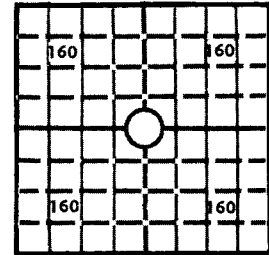
State Geological Survey  
WICHITA, BRANCH

## KANSAS DRILLERS LOG

API No. 15 — 083 — 20324  
County NumberS. 21 T. 22 R. 21 E  
W

Loc. NW NW

County Hodgeman

640 Acres  
N

Locate well correctly

Elev.: Gr. \_\_\_\_\_

DF \_\_\_\_\_ KB 2179'

Operator

Pickrell Drilling Company

Address 705 Fourth National Bank Building  
Wichita, Kansas

Well No.

#2

Lease Name

Mooney "D"

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Pickrell Drilling Co.

Geologist

Dick Linehan

Spud Date

9/9/73

Total Depth

4393'

P.B.T.D.

Date Completed

9/18/73

Oil Purchaser

## 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 casing    | 8 5/8"            | 8 5/8"                    |                | 249'          | Common      | 160 sx |                            |
| Prod. casing      | 5 1/2"            | 5 1/2"                    |                | 4386'         | Poxmix      | 100 sx |                            |
|                   |                   |                           |                |               | Common      | 75 sx  |                            |
|                   |                   |                           |                |               |             |        |                            |
|                   |                   |                           |                |               |             |        |                            |

## LINER RECORD

## PERFORATION RECORD

| Top, ft. | Bottom, ft. | Sacks cement | Shots per ft. | Size & type | Depth interval |
|----------|-------------|--------------|---------------|-------------|----------------|
|          |             |              |               |             |                |
|          |             |              |               |             |                |
|          |             |              |               |             |                |
|          |             |              |               |             |                |

## TUBING RECORD

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

## 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.) |       |               |
| RATE OF PRODUCTION<br>PER 24 HOURS | Oil   | Gas                                                 | Water | Gas-oil ratio |
|                                    | bbls. | MCF                                                 | bbls. | CFPB          |

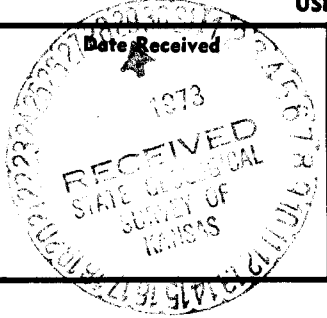
Disposition of gas (vented, used on lease or sold)

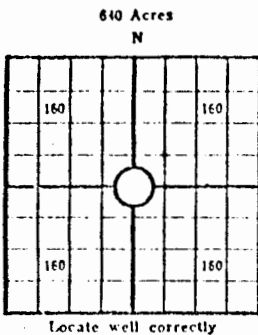
Producing interval (s)

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.

erator

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

| Well No.<br>2                                                                                                                                                                                                                                                                                                               | Lease Name<br>Mooney "D" |                                                                                                                                                                                                                       |      |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|
| S ____ T ____ R ____ E<br>W                                                                                                                                                                                                                                                                                                 |                          |                                                                                                                                                                                                                       |      |       |
| <b>WELL LOG</b>                                                                                                                                                                                                                                                                                                             |                          | <b>SHOW GEOLOGICAL MARKERS, LOGS RUN,<br/>OR OTHER DESCRIPTIVE INFORMATION.</b>                                                                                                                                       |      |       |
| 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 |
| Top Soil, Clay                                                                                                                                                                                                                                                                                                              | 0                        | 30                                                                                                                                                                                                                    |      |       |
| Yellow Clay, Shale                                                                                                                                                                                                                                                                                                          | 30                       | 251                                                                                                                                                                                                                   |      |       |
| Shale & Shells                                                                                                                                                                                                                                                                                                              | 251                      | 460                                                                                                                                                                                                                   |      |       |
| Shale & Red Beds                                                                                                                                                                                                                                                                                                            | 460                      | 740                                                                                                                                                                                                                   |      |       |
| Sand                                                                                                                                                                                                                                                                                                                        | 740                      | 822                                                                                                                                                                                                                   |      |       |
| Sand & Shale                                                                                                                                                                                                                                                                                                                | 822                      | 1290                                                                                                                                                                                                                  |      |       |
| Shale                                                                                                                                                                                                                                                                                                                       | 1290                     | 1303                                                                                                                                                                                                                  |      |       |
| Anhydrite                                                                                                                                                                                                                                                                                                                   | 1303                     | 1331                                                                                                                                                                                                                  |      |       |
| Shale                                                                                                                                                                                                                                                                                                                       | 1331                     | 1500                                                                                                                                                                                                                  |      |       |
| Shale & Lime                                                                                                                                                                                                                                                                                                                | 1500                     | 2020                                                                                                                                                                                                                  |      |       |
| Lime & Shale                                                                                                                                                                                                                                                                                                                | 2020                     | 2340                                                                                                                                                                                                                  |      |       |
| Lime                                                                                                                                                                                                                                                                                                                        | 2340                     | 2725                                                                                                                                                                                                                  |      |       |
| Lime & Shale                                                                                                                                                                                                                                                                                                                | 2725                     | 3185                                                                                                                                                                                                                  |      |       |
| Shale & Lime                                                                                                                                                                                                                                                                                                                | 3185                     | 3345                                                                                                                                                                                                                  |      |       |
| Lime w/Shale                                                                                                                                                                                                                                                                                                                | 3345                     | 3525                                                                                                                                                                                                                  |      |       |
| Shale & Lime                                                                                                                                                                                                                                                                                                                | 3525                     | 3855                                                                                                                                                                                                                  |      |       |
| Lime w/Shale                                                                                                                                                                                                                                                                                                                | 3855                     | 3980                                                                                                                                                                                                                  |      |       |
| Lime                                                                                                                                                                                                                                                                                                                        | 3980                     | 4055                                                                                                                                                                                                                  |      |       |
| Lime & Shale                                                                                                                                                                                                                                                                                                                | 4055                     | 4215                                                                                                                                                                                                                  |      |       |
| Lime                                                                                                                                                                                                                                                                                                                        | 4215                     | 4275                                                                                                                                                                                                                  |      |       |
| Lime & shale                                                                                                                                                                                                                                                                                                                | 4275                     | 4345                                                                                                                                                                                                                  |      |       |
| Lime & Shale & Chert                                                                                                                                                                                                                                                                                                        | 4345                     | 4384                                                                                                                                                                                                                  |      |       |
| Mississippi, RTD                                                                                                                                                                                                                                                                                                            | 4384                     | 4393                                                                                                                                                                                                                  |      |       |
| DST #1, 4354-93, open 2 hours. GTS in 14 minutes.<br>First Flow Gauge - 73,100 CFG in 25"<br>68,300 CFG in 30"<br>Second Flow Gauge - 51,600 CFG in 30"<br>36,500 CFG in 60"<br>28,300 CFG in 90"<br>Rec. 50' slightly oil cut mud, 186' of oil cut & 124'<br>of froggy oil. ISIP 1234#/30", FSIP 1174#/60",<br>FP 59-118#. |                          |                                                                                                                                                                                                                       |      |       |
| USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.                                                                                                                                                                                                                                                               |                          |                                                                                                                                                                                                                       |      |       |
|                                                                                                                                                                                                                                          |                          | <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Signature</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Title</div> <div style="border-bottom: 1px solid black;">Date</div> |      |       |



15-083-20324 21-22-21W

Lease Name: Mooney "D" Well No. 2  
 Well Located: C NW NW  
SEC 21 TWP 22S RGE 21W  
 Operator: Pickrell Drilling Co.  
 Address: 705 Fourth Nat'l. Bank Bldg., Wichita, Ks. 67202  
 Elevation: Ground D.F. K.B. 2179  
 Type Well: (Oil, gas, dry hole) Gas & Oil

Drilling Commenced: Sept. 9 1973 Drilling Completed: Sept. 18 1973  
 Well Completed: Sept. 18 1973 Total Depth 4393'  
 Initial Production: \_\_\_\_\_

### Casing Record

Size: 8 5/8" Set at 249' Size: \_\_\_\_\_ Set at \_\_\_\_\_  
 Size: 5 1/2" Set at 4386' Size: \_\_\_\_\_ Set at \_\_\_\_\_

### Liner Record

Size: \_\_\_\_\_ Set from \_\_\_\_\_ To \_\_\_\_\_

### Cementing

| <u>Casing Size</u> | <u>Sacks</u>  | <u>Type Cement and Additives</u> |
|--------------------|---------------|----------------------------------|
| <u>8 5/8"</u>      | <u>160 sx</u> | <u>Common</u>                    |
| <u>5 1/2"</u>      | <u>100 sx</u> | <u>50-50 pozmix</u>              |
| _____              | <u>75 sx</u>  | <u>Common</u>                    |

### Perforations

| <u>Formation</u> | <u>Perforated Interval and Number Shots</u> |
|------------------|---------------------------------------------|
| _____            | _____                                       |
| _____            | _____                                       |
| _____            | _____                                       |
| _____            | _____                                       |

### Electric Log Run (Show type log and depths covered)

A Gamma Ray Neutron Guard Caliper Electric Log by Electra

(Fill in formation and related information on reverse side)

## FORMATION, TESTING AND COMPLETION RECORD

21-22-2kw

Show Drill Stem Tests,  
Well Stimulation and  
Production Tests

| Formation            | Top  | Bottom |
|----------------------|------|--------|
| Top Soil, Clay       | 0    | 30     |
| Yellow Clay, Shale   | 30   | 251    |
| Shale & Shells       | 251  | 460    |
| Shale & Red Beds     | 460  | 740    |
| Sand                 | 740  | 822    |
| Sand & Shale         | 822  | 1290   |
| Shale                | 1290 | 1303   |
| Ant. site            | 1303 | 1331   |
| Shale                | 1331 | 1500   |
| Shale & Lime         | 1500 | 2020   |
| Lime & Shale         | 2020 | 2340   |
| Lime                 | 2340 | 2725   |
| Lime Shale           | 2725 | 3185   |
| Shale & Lime         | 3185 | 3345   |
| Lime w/Shale         | 3345 | 3525   |
| Shale & Lime         | 3525 | 3855   |
| Lime w/Shale         | 3855 | 3980   |
| Lime                 | 3980 | 4055   |
| Lime & Shale         | 4055 | 4215   |
| Lime                 | 4215 | 4275   |
| Lime & Shale         | 4275 | 4345   |
| Lime & Shale & Chert | 4345 | 4384   |
| Mississippi, RTD     | 4384 | 4393   |

DST #1, 4354-93, open 2 hours. GTS in 14 minutes.

First Flow Gauge - 73,100 CFG in 25 minutes

~~68,300~~ CFG in 30 minutes

Second Flow Gauge - 51,600 CFG in 30 minutes

36,500 CFG in 60 minutes

28,300 CFG in 90 minutes

Rec. 50' slightly oil cut mud, 186' of oil cut mud &  
124' of froggy oil. ISIP 1234#/30", FSIP 1174#/60",  
FP 59-118#.

