

**State Geological Survey  
WICHITA, BRANCH**

28-7-16W

**KANSAS DRILLERS LOG**

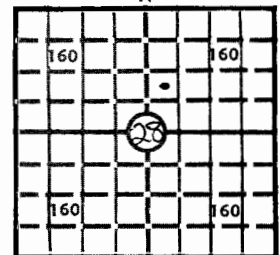
API No. 15 — 163 — 20,462  
County Number

S. 28 T. 7S R. 16W E  
W

Loc. NW-SW-NE

County Rooks

640 Acres  
N



Locate well correctly

Elev.: Gr. 1830'

DF 1832' KB 1835'

Operator

PETROLEUM MANAGEMENT, INC.

Address 1515 Vickers KSB&T Bldg. Wichita, Kansas

Well No. #2

Lease Name

JONES A

Footage Location

1650 North

2310 East

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Red Tiger Drilling Company

Geologist

W.H. Petersen

Spud Date

9-23-72

Total Depth

3270'

P.B.T.D.

3240'

Date Completed

10-31-72

Oil Purchaser

National Cooperative Refinery

**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 Csg       | 12-1/4            | 8-5/8                     | 28#            | 922'          | Common Light             | 150   | 2% Calcium Chloride        |
| Production        | 7-7/8             | 5-1/2                     | 14#            | 3267'         | Scavenger Salt Saturated | 50    |                            |
|                   |                   |                           |                |               |                          | 150   |                            |
|                   |                   |                           |                |               |                          |       |                            |
|                   |                   |                           |                |               |                          |       |                            |

**LINER RECORD**

**PERFORATION RECORD**

| Top, ft. | Bottom, ft.         | Sacks cement       | Shots per ft. | Size & type | Depth interval |
|----------|---------------------|--------------------|---------------|-------------|----------------|
|          |                     |                    | 2             | D.P. Jets   | 2750-54'       |
| Size 2"  | Setting depth 3235' | Packer set at NONE |               |             |                |

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

| Amount and kind of material used        | Depth interval treated |
|-----------------------------------------|------------------------|
| 1750 gal. 15% Non E<br>250 gal. 15% MCA | 2750-2754'             |
|                                         |                        |
|                                         |                        |

**INITIAL PRODUCTION**

|                                                    |                                                                |
|----------------------------------------------------|----------------------------------------------------------------|
| Date of first production<br>12-09-72               | Producing method (flowing, pumping, gas lift, etc.)<br>Pumping |
| RATE OF PRODUCTION PER 24 HOURS                    | Oil 60 bbls. Gas 0 MCF Water 15 bbls. Gas-oil ratio - CFPB     |
| Disposition of gas (vented, used on lease or sold) | Producing interval(s)<br>2750-54'                              |

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 <b>PETROLEUM MANAGEMENT, INC.</b>                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                             | DESIGNATE TYPE OF COMP.: OIL, GAS,<br>DRY HOLE, SWDW, ETC.:                     |                                 |
| Well No. <b>#2</b>                                                                                                                                                                                                                                                                                                  | Lease Name <b>JONES A</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | OIL                                                                             |                                 |
| S <u>28</u> T <u>7S</u> R <u>16</u> <sup>E</sup> <sub>W</sub>                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 |                                 |
| <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 |
| Shale                                                                                                                                                                                                                                                                                                               | 0                                                                                                                                                                                                                                                                                                                                                                                                                                           | 620                                                                             | Anhydrite 1133 + 702            |
| Sand                                                                                                                                                                                                                                                                                                                | 620                                                                                                                                                                                                                                                                                                                                                                                                                                         | 810                                                                             | Base Anhyd. 1167 + 668          |
| Shale                                                                                                                                                                                                                                                                                                               | 810                                                                                                                                                                                                                                                                                                                                                                                                                                         | 845                                                                             | Towanda 1833 + 2                |
| Shale-Redbed                                                                                                                                                                                                                                                                                                        | 845                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1133                                                                            | Council Grove 2009 - 174        |
| Anhydrite                                                                                                                                                                                                                                                                                                           | 1133                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1167                                                                            | Neva 2167 - 332                 |
| Shale                                                                                                                                                                                                                                                                                                               | 1167                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2000                                                                            | Red Eagle 2246 - 411            |
| Shale-Lime                                                                                                                                                                                                                                                                                                          | 2000                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2777                                                                            | Tarkio Lime 2571 - 736          |
| Lime                                                                                                                                                                                                                                                                                                                | 2777                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3270                                                                            | Topeka 2723 - 888               |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | Deer Creek 2772 - 937           |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | Lecompton 2837 -1002            |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | Dread 2880 -1045                |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | Heebner 2938 -1103              |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | Toronto 2960 -1125              |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | Lansing 2982 -1147              |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | Base Kansas City 3240 -1403     |
|                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 | R.T.D. 3270 -1433               |
| <p>DST #1 2923-2975'</p> <p>Op 30 min; SI 45 min; Op 30 min; SI 45 min.</p> <p>Initial flow, weak blow to a very weak blow, dead in 13 minutes. Second flow, no blow; flushed tool; opened with a very weak blow, dead in 30 seconds. Recovered 30' rotary mud.</p> <p>IFP 15    FFP 22    ISIP 683    FSIP 612</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 |                                 |
| USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 |                                 |
| Date Received                                                                                                                                                                                                                                                                                                       | <br><div style="display: flex; justify-content: space-between;"> <span>Dale Silcott</span> <span>Signature</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Vice President</span> <span>Title</span> </div> <div style="display: flex; justify-content: space-between;"> <span>12-27-72</span> <span>Date</span> </div> |                                                                                 |                                 |