

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

27-F-3

COUNTY Leavenworth - Kansas LOG NUMBER

COMPANY OR OWNER J. T. Buckley et al

FIRM German WELL NO.

LOCATION SEC. 11 T. 12 R. 21

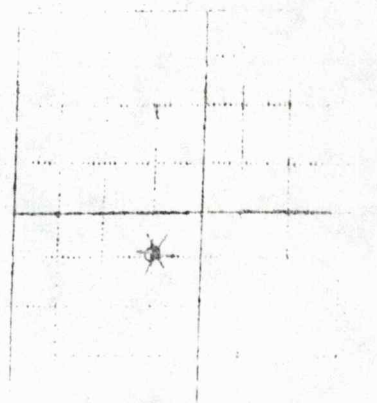
CONTRACTOR J. D. Judd & Son

DRILLER L. Schlauman TOOL DR. J. Roberts

COMMENCED 18-19-1940 COMPLETED

PRODUCTION 400,000 PLOTTED

CASING RECORD 354-6 1/4



WATER RECORD

SOURCE OF LOG Drillers original

REMARKS

SLY.

ROLL DEPTH

CHL. CAL. 1

FORMATION

FORMATION

|             |    |     |             |    |     |
|-------------|----|-----|-------------|----|-----|
| Soil & clay | 11 | 11  | Dark shale  | 3  | 202 |
| Shelly lime | 6  | 17  | Lime        | 3  | 205 |
| Shale       | 5  | 22  | Gray shale  | 10 | 215 |
| Lime        | 18 | 40  | Lime        | 14 | 229 |
| Dark shale  | 6  | 46  | Dark shale  | 5  | 234 |
| Lime        | 5  | 51  | Sand        | 2  | 236 |
| Bandy shale | 5  | 56  | Gray shale  | 9  | 245 |
| Gray shale  | 5  | 61  | Lime        | 17 | 262 |
| Firm sand   | 1  | 62  | Shale       | 1  | 263 |
| Light shale | 7  | 69  | Lime        | 1  | 264 |
| Lime        | 18 | 87  | Gray shale  | 2  | 266 |
| Gray shale  | 20 | 107 | Lime        | 1  | 267 |
| Lime        | 30 | 137 | Dark shale  | 2  | 269 |
| Gray shale  | 3  | 140 | Lime        | 6  | 275 |
| Lime        | 43 | 183 | Gray shale  | 2  | 278 |
| Gray shale  | 11 | 194 | Lime        | 11 | 295 |
| Lime        | 5  | 207 | Shale break | 1  | 296 |
|             |    |     | Lime        | 2  | 298 |

*Little more water overnight level 105*

*1 1/2 water*

*Cover*

|                    |     |                     |                      |                   |
|--------------------|-----|---------------------|----------------------|-------------------|
| Dark shale & slate | 6   | 304                 | overnite water level | 70                |
| Lime (B.F.)        | 23  | 327                 |                      |                   |
| Dark shale         | 4   | 331                 | Light shale          | 2 608             |
| Lime               | 2   | 333                 | Lime                 | 2 610             |
| Black slate        | 2   | 335                 | Light shale          | 8 618             |
| Lime               | 2   | 337                 | Sand & shale         | 2 620 gas on      |
| Gray shale         | 2   | 339                 |                      | eg                |
| Lime (H.C.M.A.)    | 11  | 350                 | Sand soft            | 13 633 gas        |
| Gray shale         | 8   | 358                 | Sand & shale soft    | 5 638             |
| Sand               | 7   | 365                 | Sand med             | 1 645             |
| Grey shale         | 11  | 376                 |                      |                   |
| Sand               | 8   | 384                 | little gas           | Puakers set @ 616 |
| Grey shale         | 12  | 396                 |                      |                   |
| Sand               | 3   | 399                 |                      |                   |
| Gray shale         | 96  | 495                 |                      |                   |
| Light shale        | 20  | 515                 |                      |                   |
| Lime               | 1   | 516                 |                      |                   |
| Light shale        | 4   | 520                 |                      |                   |
| Lime               | 2   | 522                 |                      |                   |
| Light shale        | 5   | 527                 |                      |                   |
| Lime               | 5   | 532                 |                      |                   |
| Light shale        | 10  | 542                 |                      |                   |
| Gray shale         | 9   | 551                 |                      |                   |
| Lime               | 4   | 555                 |                      |                   |
| Black slate        | 5   | 560                 | strong water         |                   |
| Lime               | 8   | 568                 | * little gas         |                   |
| Light shale        | 110 | 578                 |                      |                   |
| Green shale        | 3   | 581                 |                      |                   |
| Dark shale         | 7   | 590 set 588' 4 7/8" |                      |                   |
| Light shale        | 10  | 600 SLM             |                      |                   |
| Lime               | 2   | 602                 |                      |                   |
| Light shale        | 2   | 604                 |                      |                   |
| Lime               | 2   | 606                 |                      |                   |