

DRILLING TIME

Sec. 16-8S-23W
SW SW NW

Magnolia Petroleum Company
#1 Ralph C. Bethell

Elev. 2178
Graham Co., Kansas

| DEPTH | TIME | MINUTES | REMARKS |
|-----------------------|-------|-------------------------------|-------------------------|
| 1' INTERVALS ***** | | | |
| 3300 | 11:10 | 1-2-2-2-2/3-3-3-4-3 | |
| 10 | 11:46 | 4-8-7-7-9/9-10-5-4-3 | |
| 20 | 12:52 | 6-6-9-10-8/10-10-10-5-6 | |
| 30 | 2:12 | 6-5-6-6-5/5-8-9-10-7 | |
| 40 | 3:27 | 6-6-6-5-5/5-4-6-7-8 | |
| 50 | 4:25 | 11-6-3-1-2/3-3-6-5-3 | |
| 60 | 5:08 | 3-2-4-6-3/4-5-5-7-6 | |
| 70 | 5:53 | 5-2-3-2-2/2-3-2-2-3 | 3363 Vis. 37 Wt. 10.1 |
| 80 | 6:24 | 3-3-3-5-3/4-4-5-6-6 | 3372 Conn. 3379 Vis. 37 |
| 90 | 7:06 | 6-5-2-1-2/4-4-3-3-12 | 3390 Vis. 36 Wt. 9.9 |
| 3400 | 7:48 | 14-8-6-6-6/5-6-6-6-8 | 3402 Conn. |
| 10 | 9:14 | 7-6-8-6-5/5-6-6-6-6 | |
| 20 | 10:15 | 8-8-12-12-10/9-11-10-10-8 | |
| 30 | 11:53 | 7-6-6-5-5/5-7-8-7-6 | 3433 Conn. |
| 40 | 1:06 | 10-12-5-6-6/5-6-4-4-6 | |
| 50 | 5:05 | 6-5-5-6-6/6-5-5-5-4 | |
| 60 | 5:58 | 2-2-2-2-3/4-3-3-5-6 | |
| 70 | 6:34 | 6-6-6-9-4/5-5-5-5-6 | 3460, DST #1, 3455-75 |
| 80 | 7:43 | 5-6-6-8-7/11-10-9-10-10 | 3475 Circ. |
| 90 | 4:05 | 9-7-9-9-10/7-5-5-8-8 | 3497 Conn. |
| 3500 | 6:29 | 10-9-3-4-4/4-6-8-13-11 | |
| 10 | 7:41 | 14-14-16-13-10/10-10-10-12-11 | 3515 Circ. 30 min. |
| 20 | 10:11 | 10-12-15-10-12/10-9-13-14-13 | 3528 Vis. 39 Wt. 10.1½ |
| 30 | 12:20 | 14-14-14-14-12/12-13-13-14-15 | |
| 40 | 2:35 | 14-15-16-9-10/15-14-15-10-6 | 3543 Vis. 38 Wt. 10.1 |
| 50 | 4:39 | 6-7-6-6-8/7-6-6-4-10 | |
| 60 | 5:52 | 9-11-6-5-8/10-9-10-14-14 | 3569 Vis. 40 |
| 70 | 7:28 | 14-14-16-12-16/15-14-11-10-4 | |
| 80 | 12:01 | 4-3-4-5-4/8-7-6-4-4 | 3589 Conn. |
| 90 | 1:00 | 5-5-4-4-4/3-4-4-4-5 | |
| 3600 | 1:42 | 5-6-7-7-7/6-6-7-6-4 | 3604 Vis. 41 Wt. 10.1 |
| 10 | 7:43 | 4-4-5-6-3/3-3-4-4-6 | |
| 20 | 4:57 | 5-4-5-5-4/4-7-5-4-4 | 3622 Conn. |
| 30 | 5:50 | 5-5-5-7-8/7-6-7-7-6 | 3630 DST #2, 3608-30 |
| 40 | 11:10 | 5-5-6-6-7/7-7-5-4-4 | |
| 50 | 12:07 | 4-5-4-6-5/5-5-3-2-2 | 3652 Conn. |
| 60 | 12:54 | 2-2-2-1-2/2-2-2-3-3 | |

Partly of
Kansas Geological Society
108 E. Murdock
Wichita, Kansas

KANSAS GEOLOGICAL SOCIETY
508 EAST MURDOCK
WICHITA, KANSAS

TOTAL DEPTH 3670'