

LOGGING RECORD: OPERATOR: Raymond Oil Company DESCRIPTION:
 9-5/8" @ 283' w/ 175 sacks cem. CONTRACTOR: Kathol Petroleum, Inc. C. NW SE
 5-1/2" @ 2253' w/ 150 sacks cem. COMMENCED: July 26, 1971 Sec. 28-32S-11W
 Barber County, Ks.
 TOTAL DEPTH: 4823' COMPLETED: August 17, 1971 ELEVATION: 1494' KB
 I.P. SWDW/FR LI
 & F/ov

| FORMATION: | FROM: | TO: | REMARKS: |
|----------------------------|-------|------|----------|
| surface hole | 0 | 283 | |
| shale | 283 | 1035 | |
| shale & shells | 1035 | 1140 | |
| shale & shells | 1140 | 1705 | |
| shale & lime | 1705 | 1855 | |
| shale | 1855 | 1924 | |
| lost circulation | 1924 | 1935 | |
| lime & shale | 1935 | 2135 | |
| lime & shale | 2135 | 2310 | |
| lime & shale | 2310 | 2500 | |
| lime & shale | 2500 | 2730 | |
| shale | 2730 | 2940 | |
| lime & shale | 2940 | 3135 | |
| shale & lime | 3135 | 3265 | |
| shale & lime | 3265 | 3480 | |
| shale & lime | 3480 | 3595 | |
| lime & shale | 3595 | 3640 | |
| lime & shale | 3640 | 3680 | |
| lime & shale | 3680 | 3755 | |
| lime & shale | 3755 | 3822 | |
| shale, lime, chert & chalk | 3822 | 3885 | |
| lime | 3885 | 3950 | |
| lime | 3950 | 4000 | |
| lime | 4000 | 4020 | |
| lime | 4020 | 4090 | |
| lime | 4090 | 4170 | |
| lime | 4170 | 4240 | |
| lime | 4240 | 4315 | |
| lime | 4315 | 4370 | |
| lime & shale | 4370 | 4430 | |
| cherty lime | 4430 | 4495 | |
| shale & lime | 4495 | 4585 | |
| lime, shale & chert | 4585 | 4600 | |
| cored | 4600 | 4664 | |
| cherty lime | 4664 | 4685 | |
| cherty lime, sand & shale | 4685 | 4715 | |
| lime & shale | 4715 | 4752 | |
| sand, lime & shale | 4752 | 4790 | |
| shale, lime & sand | 4790 | 4817 | |
| shale & lime | 4817 | 4823 | R.T.U. |



RECEIVED
STATE CORPORATION COMMISSION
JUL 22 1974
CONSERVATION
WICHITA
LOG TOPS: []

| | |
|-------------|------|
| Elgin Zn | 3314 |
| Heebner | 3550 |
| Toronto | 3570 |
| Douglas Sh | 3623 |
| " Sd | 3693 |
| Lansing | 3724 |
| B Penn Cong | 4358 |
| Miss | 4374 |
| KH | 4498 |
| Viola | 4611 |
| Simp Sh | 4686 |
| " Sd | 4698 |
| " Sh | 4748 |
| Arbuckle | 4814 |

I hereby certify that the above information is true and correct to the best of my knowledge.