



R. W. SHIELDS, ET ALWELL LOG ON MURPHY # 1NE $\frac{1}{4}$  NE $\frac{1}{4}$  SW $\frac{1}{4}$  Sec. 12-8-24, GRAHAM COUNTY

| Formation             | From | To   | Remarks                                                                                                   |
|-----------------------|------|------|-----------------------------------------------------------------------------------------------------------|
| Clay                  | 0    | 90   |                                                                                                           |
| Clay & Shells         | 90   | 123  | Set 123 ft. 10 3/4" Surface                                                                               |
| Shale                 | 123  | 840  | Slope test @ 250, 500 & 750'                                                                              |
| Shale & Shells        | 840  | 1350 | Slope test @ 1000'                                                                                        |
| Shale                 | 1350 | 1450 |                                                                                                           |
| Red Rock              | 1450 | 1575 | Slope test @ 1500'                                                                                        |
| Sand                  | 1575 | 1725 |                                                                                                           |
| Shale & Shells        | 1725 | 1805 | Slope test @ 1750'                                                                                        |
| Red Bed & Shells      | 1805 | 1970 |                                                                                                           |
| Anhydrite             | 1970 | 1995 |                                                                                                           |
| Shale & Shells        | 1995 | 2715 | Slope test @ 2250'                                                                                        |
| Shale & Shells-Cherty | 2715 | 2780 | Slope test @ 2750'                                                                                        |
| Shale & Shells        | 2780 | 3010 | S. L. M. @ 2876'                                                                                          |
| Shale                 | 3010 | 3140 | Lost mud-mixed 200# Hulls                                                                                 |
| Shale & Shells        | 3140 | 3245 |                                                                                                           |
| Lime & Shale          | 3245 | 3315 |                                                                                                           |
| Topeka Lime           | 3315 | 3380 |                                                                                                           |
| Shale & Shells        | 3380 | 3463 | Slope test & S.L.M. @ 3425'                                                                               |
| Shale                 | 3463 | 3523 |                                                                                                           |
| Lime                  | 3523 | 3553 |                                                                                                           |
| K. C. Lime            | 3553 | 3593 | Circulated-1 $\frac{1}{2}$ hrs. @ 3559,<br>1 $\frac{1}{2}$ hrs. @ 3587, 2 $\frac{1}{2}$ hrs. @<br>3593    |
| Lime                  | 3593 | 3670 | Circulated-1 $\frac{1}{2}$ hrs. @ 3665'                                                                   |
| Shale                 | 3670 | 3684 |                                                                                                           |
| Lime                  | 3684 | 3808 | Circulated-1 $\frac{1}{2}$ hrs. @ 3736',<br>1 $\frac{1}{2}$ hrs. @ 3755', 1 $\frac{1}{2}$ hrs. @<br>3810' |
| Red Shale             | 3808 | 3826 |                                                                                                           |
| Lime                  | 3826 | 3840 |                                                                                                           |
| Lime & Shale          | 3840 | 3930 |                                                                                                           |
| Conglomerate          | 3930 | 3970 |                                                                                                           |
| Sand                  | 3970 | 3971 |                                                                                                           |
| Shale & Lime          | 3971 | 3988 | Circulated- 1 $\frac{1}{2}$ hrs. @ 3971',<br>1 $\frac{1}{2}$ hrs. @ 3978'                                 |
| Lime                  | 3988 | 3994 |                                                                                                           |
| Conglomerate-Cherty   | 3994 | 4027 |                                                                                                           |
| Lime                  | 4027 | 4065 | Circulated-2 hrs. @ 4041                                                                                  |
| Total Depth           |      | 4065 | Dry and abandoned                                                                                         |

Commenced Drilling - June 15, 1942  
 Completed - June 27, 1942  
 Contractor-Barnett Drilling Company

