



## FORMATION RECORD

| FROM  | TO    | THICKNESS<br>IN FEET | FORMATION                        |
|-------|-------|----------------------|----------------------------------|
| 0     | 6'    | 6'                   | Cellar                           |
| 6     | 163   | 157                  | Caliche & Sand                   |
| 163   | 1240  | 1077                 | Red Bed                          |
| 1240  | 1565  | 325                  | Red Bed & Red Rock               |
| 1565  | 1805  | 240                  | Red Bed and Anhydrite Streaks    |
| 1805  | 1994  | 189                  | Red Bed, Anhydrite and Salt      |
| 1994  | 2250  | 256                  | Salt and Anhydrite Streaks       |
| 2250  | 2570  | 320                  | Salt, Anhydrite and Red Rock     |
| 2570  | 2950  | 380                  | Anhydrite and Salt Streaks       |
| 2950  | 3382  | 432                  | Anhydrite and Salt               |
| 3382  | 3566  | 184                  | Anhydrite and Gyp                |
| 3566  | 3664  | 98                   | Anhydrite, Gyp and Lime          |
| 3664  | 3741  | 77                   | Anhydrite and Gyp                |
| 3741  | 3791  | 50                   | Anhydrite, Salt, and Lime Streak |
| 3791  | 3885  | 94                   | Lime and Anhydrite               |
| 3885  | 7000  | 3115                 | Lime                             |
| 7000  | 7270  | 270                  | Dolomite and Anhydrite           |
| 7270  | 8260  | 990                  | Shale, Dolomite and Anhydrite    |
| 8260  | 8490  |                      | Chert and Dolomite               |
| 8490  | 8700  | 210                  | Limestone, Chert and Dolomite    |
| 8700  | 10100 | 1400                 | Limestone                        |
| 10100 | 10350 | 250                  | Sand, Shale & Limestone          |
| 10350 | 10940 | 590                  | Chert, Shale, Sand & Limestone   |
| 10940 | 10995 | 55                   | Dolomite & Chert                 |
|       | 10995 |                      | Total Depth                      |
|       | 10990 |                      | Plug Back Depth                  |

GEOLOGICAL DATA

|                      |           |
|----------------------|-----------|
| Elevation            | 4257 D.F. |
| Base Red Bed         | 1648'     |
| Top Salt             | 1728      |
| Base Salt            | 2360      |
| Top Yates            | 2454      |
| Base Yates           | 2574      |
| Top Artesia Red Sand | 3181      |
| Top San Andres       | 3744      |
| Base San Andres      | 5118      |
| Top Paddock          | 5410      |
| Top Clearfork        | 5895      |
| Top Abo              | 7258      |
| Top Wolfcamp         | 8375      |
| Top Pennsylvanian    | 8616      |
| Top Mississippian    | 10360     |
| Top Devonian         | 10935     |

SLOPE TESTS

|       |      |
|-------|------|
| 192'  | 1-   |
| 800   | -1/4 |
| 1200  | -1/2 |
| 1525  | -1/2 |
| 2010  | 1-   |
| 3450  | -3/4 |
| 3720  | -1/2 |
| 4200  | -1/4 |
| 4660  | -1/4 |
| 5031  | -1/4 |
| 5400  | -1/2 |
| 5765  | -1/2 |
| 6080  | -1/4 |
| 6350  | -3/4 |
| 6590  | -3/4 |
| 6828  | -1/2 |
| 7250  | -1/4 |
| 7630  | -3/4 |
| 8080  | -3/4 |
| 8540  | -3/4 |
| 8900  | -3/4 |
| 9600  | -1/2 |
| 9820  | -1/2 |
| 10209 | -1/2 |
| 10610 | -3/4 |

DRILL STEM TESTS

- D.S.T. #1 - 9020 to 9065' - Tool open 4 hours - Opened W/Strong blow, gas up in 3 minutes mud up in 12 minutes, oil up in 1 hour and 14 minutes. Flowed 7.59 bbl oil, .08 bbl B.S. & 111 bbl water in 4 hours. Recovered 210' free oil - no water.
- D.S.T. #2 - 9067' to 9102' - Tool open 4 hours - Opened W/strong blow, gas up in 1 hour and 32 minutes - Vel. too small to measure. No fluid to surface. Recovered 360' Drlg. Mud cut 10% oil & gas, 8472' Salt Water.
- D.S.T. #3 - 9275' to 9340' - Tool open 5 hours & 45 minutes - Opened W/good blow, gas up in 3 minutes, Mud up in 6 minutes, distillate up in 15 minutes. Flowed 44.12 bbl oil, 11.92 bbl BS & 1.88 bbl water in 4 hours. Gas Vol. 5,856,000 cu ft. per day. Qty 60.2. Recovered 95' free oil & 10' Salt Water
- D.S.T. #4 - 9370' to 9445' - Opened tool W/good blow, gas up in 4 minutes, mud up in 1 hour and 40 minutes, oil up in 2 hours. Flowed 21.17 bbl oil, .22 bbl. BS & Water in 3 hours. Recovered 240' free oil & 180' Salt Water.
- D.S.T. #5 - 9753' to 9853' - Opened tool W/good blow, gas up in 4 minutes, mud up in 12 min. Distillate up in 55 minutes. Qty 60.6. Gas Vol 2,875,000 cu ft. per day. Flowed 40.02 bbl in 4 hours. Recovered 150' Distillate, 0 Water.
- D.S.T. #6 - 9853' to 9960' - Opened tool W/good blow, gas up in 7 minutes, no fluid to surface. Gas Vol. 550,290 cu ft. per day. Recovered 210' oil, 360' Drlg. Mud 30% oil cut., 720' Drlg. Mud 2% Oil cut & 90' Salt Water.
- D.S.T. #7 - 10920' to 10980' - Opened tool W/fair blow - no gas or fluid to surface. Recovered 1980' water blanket, 6174' free oil, 1170' black sulphur water cut Drlg. Mud, cut. 25% Oil & gas cut.
- D.S. T. #8 - 10980' to 10995' - Opened tool W/fair blow which decreased to faint blow - no gas or fluid to surface. Recovered 1980' water blanket, 6437' oil, 30' black sulphur cut Drlg. Mud, cut 25% oil & gas cut, 780' black sulphur water.