

## FORMATION &amp; DEVIATION RECORD

| From                                                          | To     | Thickness<br>in Feet | Formation             | Depth  | Degrees Off         |
|---------------------------------------------------------------|--------|----------------------|-----------------------|--------|---------------------|
| 0                                                             | 65     | 65                   | Caliche               | 114    | 1/2                 |
| 65                                                            | 669    | 604                  | Red Bed               | 640    | 0                   |
| 669                                                           | 1225   | 556                  | Red Bed & Anhy        | 955    | 1/2                 |
| 1225                                                          | 1276   | 51                   | Anhy                  | 1112   | 1/4                 |
| 1276                                                          | 2755   | 1479                 | Anhy & Salt           | 1350   | 0                   |
| 2755                                                          | 2843   | 88                   | Anhy                  | 1512   | 1/4                 |
| 2843                                                          | 2986   | 143                  | Dolomite              | 2115   | 1/2                 |
| 2986                                                          | 3047   | 61                   | Sand                  | 2585   | 1 1/2               |
| 3047                                                          | 3763   | 716                  | Dolomite & Sand       | 3180   | 1 1/4               |
| 3763                                                          | 5159   | 1396                 | Dolomite              | 3790   | 2                   |
| 5159                                                          | 5230   | 71                   | Dolomite, Sand, Chert | 4300   | 2 1/2               |
| 5230                                                          | 5917   | 687                  | Sand & Dolomite       | 4731   | 1 3/4               |
| 5917                                                          | 6188   | 271                  | Sand & Shale          | 5225   | 1 1/4               |
| 6188                                                          | 8100   | 1912                 | Sand & Dolomite       | 5950   | 1/4                 |
| 8100                                                          | 8179   | 79                   | Lime & Shale          | 6540   | 1 1/4               |
| 8179                                                          | 9086   | 907                  | Lime                  | 7155   | 1 3/4               |
| 9086                                                          | 9193   | 107                  | Lime & Chert          | 7845   | 1                   |
| 9193                                                          | 9482   | 289                  | Lime & Sand           | 8085   | 3/4                 |
| 9482                                                          | 11,731 | 2249                 | Lime & Shale          | 8810   | 1 1/2               |
| 11,731                                                        | 12,133 | 402                  | Shale                 | 9060   | 1 1/4               |
| 12,133                                                        | 12,260 | 127                  | Lime & Chert          | 9900   | 1 1/4               |
| 12,260                                                        | 12,630 | 370                  | Lime & Shale          | 10,100 | 1                   |
| 12,630                                                        | 12,718 | 88                   | Lime & Sand           | 10,585 | 2 1/4               |
| 12,718                                                        | 12,839 | 121                  | Lime & Shale          | 10,945 | 2                   |
| 12,839                                                        | 13,011 | 172                  | Lime                  | 11,165 | 1                   |
| 13,011                                                        | 13,034 | 23                   | Lime, Shale, Chert    | 11,420 | 1 1/4               |
| 13,034                                                        | 13,181 | 147                  | Lime & Shale          | 11,625 | 3/4                 |
| 13,181                                                        | 13,300 | 119                  | Sand & Lime           | 12,160 | 2                   |
| 13,300                                                        | 13,473 | 173                  | Sand & Shale          | 12,620 | 2                   |
| 13,473                                                        | 14,080 | 607                  | Lime, Sand & Shale    | 12,718 | 2                   |
| 14,080                                                        | 14,621 | 541                  | Lime, Chert & Shale   | 12,785 | 1 1/2               |
| 14,621                                                        | 14,816 | 195                  | Shale                 | 12,870 | 1 1/4               |
| Total Depth -- 14,816'                                        |        |                      |                       | 13,060 | 2                   |
| PBD -- 13,620'                                                |        |                      |                       | 13,108 | 4                   |
| All measurements from rotary table or 20' above ground level. |        |                      |                       | 13,315 | 3 1/2               |
| Estimate No. 8877                                             |        |                      |                       | 13,420 | 4                   |
| 4 - NMCCC                                                     |        |                      |                       | 13,460 | 4                   |
| 1 - SLO                                                       |        |                      |                       | 13,498 | 4 3/4               |
| 1 - Division                                                  |        |                      |                       | 13,755 | 6                   |
| 1 - Field                                                     |        |                      |                       | 14,000 | 7                   |
| 1 - File                                                      |        |                      |                       | 14,095 | 7                   |
|                                                               |        |                      |                       | 14,137 | 6 1/2               |
|                                                               |        |                      |                       | 14,280 | 6                   |
|                                                               |        |                      |                       | 14,320 | 6                   |
|                                                               |        |                      |                       | 14,463 | 3 1/2               |
|                                                               |        |                      |                       | 14,510 | 3 1/4               |
|                                                               |        |                      |                       | 14,555 | See Attached Sketch |