

Byrd-Frost, Inc. & P. B. English  
 Daugherty #4  
 NW 1/4 Sec 15, T-17S, R-27E  
 Eddy County, New Mexico  
 Elevation: 3494'  
 Started: 8-12-47  
 Completed: 10-10-47

|      |      |                                                                            |      |      |                                            |
|------|------|----------------------------------------------------------------------------|------|------|--------------------------------------------|
| 0    | 1    | Soil                                                                       | 1025 | 1027 | Sand                                       |
| 1    | 2    | Lime                                                                       | 1027 | 1030 | Anhydrite                                  |
| 2    | 50   | Gyp                                                                        | 1030 | 1034 | Sand                                       |
| 50   | 60   | Red Bed                                                                    | 1034 | 1042 | Anhydrite                                  |
| 60   | 70   | Gyp                                                                        | 1042 | 1045 | ?                                          |
| 70   | 115  | Red Sand                                                                   | 1045 | 1052 | Lime & Shale                               |
| 115  | 125  | Gyp                                                                        | 1052 | 1060 | Hard Red Sand                              |
| 125  | 165  | Red Bed                                                                    | 1060 | 1078 | Anhydrite                                  |
| 165  | 190  | Gyp, Shells & Red Bed                                                      | 1078 | 1086 | Sandy Shale                                |
| 190  | 205  | Gyp & Red Bed                                                              | 1086 | 1106 | Anhydrite                                  |
| 205  | 385  | Anhydrite                                                                  | 1106 | 1112 | Sandy Shale                                |
| 385  | 400  | Bentonite                                                                  | 1112 | 1145 | Anhydrite                                  |
| 400  | 415  | Anhydrite                                                                  | 1145 | 1162 | Gray Lime                                  |
| 415  | 420  | Red Beds                                                                   | 1162 | 1177 | Anhydrite                                  |
| 420  | 440  | Anhydrite & Blue Shale                                                     | 1177 | 1190 | Brown Lime                                 |
| 440  | 460  | Bentonite & Gray Shale                                                     | 1190 | 1200 | Anhydrite & Red Sand                       |
| 460  | 465  | Red Bed                                                                    | 1200 | 1212 | Broken Anhydrite                           |
| 465  | 485  | Bentonite & Gray Shale                                                     | 1212 | 1218 | Anhydrite                                  |
| 485  | 495  | Anhydrite                                                                  | 1218 | 1245 | Gray Lime                                  |
| 495  | 510  | Anhydrite & Brown Lime                                                     | 1245 | 1250 | Lime & Red Shale                           |
| 510  | 525  | Gray Shale                                                                 | 1250 | 1265 | Broken Anhydrite                           |
| 525  | 545  | Red Bed & Gray Shale                                                       | 1265 | 1278 | Anhydrite                                  |
| 545  | 550  | Anhydrite                                                                  | 1278 | 1285 | Gray Lime - small show<br>of gas 1272-1278 |
| 550  | 560  | Anhydrite & Shale                                                          | 1285 | 1295 | Broken Lime                                |
| 560  | 610  | Red Bed                                                                    | 1295 | 1325 | Broken Anhydrite                           |
| 610  | 620  | Anhydrite                                                                  | 1325 | 1350 | Red Sand & Anhydrite                       |
| 620  | 628  | Red Bed                                                                    | 1350 | 1380 | Broken Anhydrite                           |
| 628  | 635  | Anhydrite                                                                  | 1380 | 1390 | Anhydrite                                  |
| 635  | 645  | Anhydrite & Gray Shale                                                     | 1390 | 1400 | Brown Lime                                 |
| 645  | 670  | Anhydrite & Red Bed                                                        | 1400 | 1405 | Anhydrite & Shale                          |
| 670  | 685  | Anhydrite, Shell, Blue & Red Shale                                         | 1405 | 1419 | Broken Anhydrite                           |
| 685  | 695  | Anhydrite & Red Beds                                                       | 1419 | 1421 | Gas Sand - Show of gas                     |
| 695  | 735  | Gyp & Red Rock                                                             | 1421 | 1440 | 1419 Anhydrite                             |
| 735  | 740  | Red Sand & Anhydrite (Changed lines)                                       | 1440 | 1470 | Broken Anhydrite                           |
| 740  | 751  | Red Beds                                                                   | 1470 | 1475 | Anhydrite                                  |
| 751  | 770  | Blue Shale                                                                 | 1475 | 1489 | Lime                                       |
| 770  | 775  | Red Shale                                                                  | 1489 | 1504 | Gray Lime                                  |
| 775  | 810  | Anhydrite                                                                  | 1504 | 1526 | Lime                                       |
| 810  | 825  | Anhydrite & Red Rock                                                       | 1526 | 1540 | Gray Lime                                  |
| 825  | 855  | Anhydrite                                                                  | 1540 | 1543 | Red Shale                                  |
| 855  | 870  | Gray Sand - Gas, mud & salt water                                          | 1543 | 1601 | Gray Lime                                  |
| 870  | 895  | Anhydrite, Gray Shale & Red Rock<br>(Enough gas to blow water out of hole) | 1601 | 1617 | Lime                                       |
| 895  | 935  | Anhydrite                                                                  | 1617 | 1648 | Gray Lime                                  |
| 935  | 939  | Red Bed                                                                    | 1648 | 1660 | Anhydrite & Lime                           |
| 939  | 950  | Red Sand & Water                                                           | 1660 | 1669 | Lime                                       |
| 950  | 960  | Sandy Red Bed                                                              | 1669 | 1682 | Gray Lime                                  |
| 960  | 985  | Red Sand                                                                   | 1682 | 1955 | Lime                                       |
| 985  | 990  | Anhydrite                                                                  | 1955 | 1963 | Black Lime                                 |
| 990  | 1010 | Sand                                                                       | 1963 | 2011 | Lime                                       |
| 1010 | 1020 | Anhydrite & Red Bed                                                        | 2011 | 2022 | Sandy Lime                                 |
| 1020 | 1025 | Anhydrite                                                                  | 2022 | 2051 | Lime                                       |
|      |      |                                                                            | 2051 | 2061 | SLM                                        |
|      |      |                                                                            |      | 2061 | TB                                         |

