

FORMATION RECORD  
LEO MANNING #1 WELL

RECEIVED  
AUG 5 1957  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

| <u>FROM</u>        | <u>TO</u> | <u>TOTAL FEET</u> | <u>FORMATION</u>                         |
|--------------------|-----------|-------------------|------------------------------------------|
| 60                 | 418       | 358               | SAND, SHALE & LIME STKS                  |
| 418                | 423       | 5                 | LIME                                     |
| 423                | 480       | 57                | SHALE & SAND                             |
| 480                | 490       | 10                | SAND                                     |
| 490                | 508       | 18                | SAND & SHALE                             |
| 508                | 512       | 4                 | LIMEY SAND                               |
| 512                | 740       | 228               | SAND & SHALE                             |
| 740                | 755       | 15                | SAND                                     |
| 755                | 987       | 232               | SAND & SHALE                             |
| 987                | 1069      | 82                | SAND, SHALE & LM STKS                    |
| 1069               | 1075      | 6                 | COAL                                     |
| 1075               | 1142      | 67                | <del>SHALE &amp; SAND</del> SHALE & SAND |
| 1142               | 1145      | 3                 | COAL                                     |
| 1145               | 1153      | 8                 | SHALE & SAND                             |
| 1153               | 1164      | 11                | LIMEY SAND                               |
| 1164               | 1205      | 41                | SAND & SHALE                             |
| 1205               | 1207      | 2                 | COAL                                     |
| 1207               | 1340      | 133               | SAND & SHALE                             |
| 1340               | 1360      | 20                | COAL                                     |
| 1360               | 1650      | 290               | SAND & SHALE W/ COAL STKS<br>AND LM STKS |
| 1650               | 1890      | 240               | SAND & SHALE                             |
| 1890               | 1971      | 81                | SANDY SHALE & LIME                       |
| 1971               | 2091      | 120               | SANDY SHALE & LM STKS                    |
| 2091               | 2325      | 234               | SHALE & SAND                             |
| 2325               | 2400      | 75                | SAND & SHALE                             |
| 2400               | 2505      | 105               | SHALE & SAND                             |
| 2505               | 2554      | 49                | COREING                                  |
| 2554               | 2643      | 89                | SHALE & SAND                             |
| 2643               | 2650      | 7                 | SAND                                     |
| <u>TOTAL DEPTH</u> |           | <u>2650</u>       |                                          |