

STATE BUREAU OF OILS AND MINERAL RESOURCES

SOCORRO, NEW MEXICO

NEW MEXICO WELL LOG DIVISION

COUNTY Lea

FIELD Cooper

COMPANY Continental Oil Co.

LEASE R.L.Gates A-23 No. 1 Well

LOCATION T. 24S R. 36E

SEC 23

680 feet from NORTH line of Section  
1980 feet from WEST line of Section

| CASING RECORD            |           | ELEVATION | 3330.45    | DEPTH       |
|--------------------------|-----------|-----------|------------|-------------|
| Depth In.                | Bottom    |           |            |             |
| INITIAL DATA PRODUCTION. |           |           |            |             |
| 15-3/8"                  | 245' 5"   | Open      | 1800       | bbls. Oil   |
| 9-5/8"                   | 1684' 4"  | Open      | 12,806,000 | cu. ft. Gas |
| 7"                       | 3478' 11" | Tbg.      |            | bbls. Oil   |
| 5"                       | 3524' 11" | Tbg.      |            | cu. ft. Gas |

COMMENCED 10-6-34

COMPLETED 12-5-34

ABANDONED

REMARKS:

| FORMATION  | BOTTOM, FEET | FORMATION | BOTTOM, FEET |
|--|--------------|-----------|--------------|
| Surface sand and caliche   | 90           |           |              |
| Sand and sand rock   | 355          |           |              |
| Hard sand  | 365          |           |              |
| Redbed and lime  | 445          |           |              |
| White lime   | 460          |           |              |
| Broken lime and redbed   | 535          |           |              |
| Sandy lime and redbed  | 560          |           |              |
| Hard sand  | 615          |           |              |
| Broken lime and redbed   | 1058         |           |              |
| Redbeds  | 1235         |           |              |
| Anhy and redbeds   | 1296         |           |              |
| Anhydrite  | 1440         |           |              |
| Anhy and salt breaks   | 1680         |           |              |
| Hard anhydrite Set 9-5/8" casing at 1687 cemented with 600 sacks   | 1705         |           |              |
| Anhy and salt  | 2148         |           |              |
| Hard anhy  | 2150         |           |              |
| Anhy and salt  | 2353         |           |              |
| Hard anhy  | 2425         |           |              |
| Anhy and salt  | 2775         |           |              |
| Anhy and lime  | 2820         |           |              |
| Grey lime Set 7" casing at 3470' cemented with 400 sacks of cement | 3480         |           |              |
| Sandy lime   | 3490         |           |              |
| Lime   | 3500         |           |              |
| Sandy lime   | 3510         |           |              |
| Soft lime Big oil pay  | 3515         |           |              |