





HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

| FROM               | TO   | TOTAL FEET | FORMATION           |
|--------------------|------|------------|---------------------|
| 3075               | 3110 | 35         | Shale & lime shells |
| 3110               | 3390 | 280        | Shale               |
| 3390               | 3410 | 20         | Lime                |
| 3410               | 3435 | 25         | Shale               |
| 3435               | 3470 | 35         | Lime                |
| 3470               | 3520 | 50         | Soapstone & shale   |
| 3520               | 3535 | 15         | Shale               |
| 3535               | 3573 | 38         | Sand                |
| Electric Log Tops: |      |            |                     |
| Mesa Verde, 985'   |      |            |                     |
| Mancos, 1505'      |      |            |                     |
| Niobrara, 2430'    |      |            |                     |
| Gallup, 2612'      |      |            |                     |
| Sanassee, 3113'    |      |            |                     |
| Greenhorn, 3395'   |      |            |                     |
| Graneros, 3435'    |      |            |                     |
| Lakota, 3550'      |      |            |                     |
| T.D., 3573'        |      |            |                     |

FORMATION RECORD—Continued

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Western Drilling Co., contractor, rigged up cable tools. Spudded 6:00 p.m., 4-30-61. Drilled 15 1/2" hole, 0-65'. Ran 2 jts., 591 of 13-3/8" surface casing, cemented to surface with 30 sacks. W.O.C. 26 hrs. Drilled 12 1/2" hole, 65-1681'. Ran 10-3/4" casing to 1681', not cemented. Drilled 1681-1900', hole making water. Under-reamed 10-3/4" casing, 1681-1900'. Lost bottom joint of casing. Pulled, recovered lost joint and re-ran to 1897', not cemented. Drilled 1900-3380'. Ran 8-5/8" casing to 3380', to shut off cavings. Drilled 3380-3573'. No shows of oil or gas. Plugged with 90 sacks of cement, 3573-3300'; heavy mud, 3300-1600'; 50 sacks of cement, 1600-1450'; heavy mud, 1450-1000'; 20 sacks of cement, 1000-930'; heavy mud, 930-12'; 10 sacks of cement, 12' to surface with marker cemented in top of surface casing. Plugging completed 7-16-61.