

Cactus Drilling Corporation

10007 P.M. 1 47

Midland, Texas

November 5, 1962

Drill Hole Deviations:

This is to certify that the following is a true record of
drill hole deviations as drilled in the drilling of Sando Petroleum
Company Well No. 1 Hall in Lea County, New Mexico.

| DATE | DEPTH | DEVIATION |
|---------|-------|---------------|
| 8-13-62 | 700 | 1 3/4 degrees |
| 8-15-62 | 760 | 3/4 degrees |
| 8-15-62 | 1195 | 1/4 degrees |
| 8-16-62 | 1510 | 2/4 degrees |
| 8-16-62 | 1740 | 3/4 degrees |
| 8-17-62 | 2490 | 1 1/2 degrees |
| 8-17-62 | 2670 | 1 3/4 degrees |
| 8-18-62 | 3090 | 3 1/2 degrees |
| 8-18-62 | 3180 | 3 3/4 degrees |
| 8-19-62 | 3215 | 4 degrees |
| 8-19-62 | 3235 | 4 1/4 degrees |
| 8-19-62 | 3265 | 4 1/4 degrees |
| 8-19-62 | 3305 | 4 1/2 degrees |
| 8-20-62 | 3329 | 4 1/2 degrees |
| 8-20-62 | 3360 | 4 3/4 degrees |
| 8-21-62 | 3454 | 4 3/4 degrees |
| 8-21-62 | 3485 | 4 3/4 degrees |
| 8-21-62 | 3509 | 4 1/4 degrees |
| 8-22-62 | 3614 | 4 1/4 degrees |
| 8-22-62 | 3707 | 3 degrees |
| 8-23-62 | 3769 | 3 degrees |
| 8-28-62 | 4510 | 1 3/4 degrees |
| 8-29-62 | 4804 | 1 3/4 degrees |
| 8-30-62 | 5349 | 1 1/4 degrees |
| 8-31-62 | 5750 | 1 1/4 degrees |
| 8-31-62 | 6095 | 1 degree |
| 9-2-62 | 6560 | 3/4 degree |
| 9-2-62 | 6839 | 1/2 degree |
| 9-3-62 | 7110 | 1/2 degree |
| 9-5-62 | 7657 | 1/4 degree |
| 9-8-62 | 8216 | 1 degree |
| 9-9-62 | 8305 | 3/4 degree |

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