



# TEMPERATURE SURVEY

|          |         |                         |       |      |             |        |          |       |         |
|----------|---------|-------------------------|-------|------|-------------|--------|----------|-------|---------|
| LOCATION | COMPANY | EL PASO NATURAL GAS CO. |       | WELL | HOWELL #1-G | COUNTY | SAN JUAN | STATE | N. MEX. |
|          | FILE    |                         |       |      |             |        |          |       |         |
|          | WELL    | HOWELL #1-G             |       |      |             |        |          |       |         |
|          | FIELD   |                         |       |      |             |        |          |       |         |
|          | COUNTY  | SAN JUAN                | STATE |      |             |        |          |       |         |
| SEC.     | TWP     | RGE                     |       |      |             |        |          |       |         |
| SURVEY   |         |                         |       |      |             |        |          |       |         |

|                        |                                 |           |
|------------------------|---------------------------------|-----------|
| Type of Survey         | TEMPERATURE SURVEY (MECHANICAL) |           |
| Log Measured From      | R. D. 3.                        | Elevation |
| Drilling Measured From |                                 | Elevation |
| Permanent Datum        |                                 | Elevation |

|                   |                    |      |            |
|-------------------|--------------------|------|------------|
| Date of Cementing | SEPTEMBER 19, 1951 | Time | 8:00 P.M.  |
| Date of Survey    | SEPTEMBER 20, 1951 | Time | 10:00 A.M. |
| Amount of Cement  | 300 SACKS          | Type | COB.       |
| Amount of Admix   | 2 SACKS FLOCCLE    | Type |            |

|              |                     |              |                        |
|--------------|---------------------|--------------|------------------------|
| Casing Size  | 7" from 0 to 4.745' | Diam of Hole | 8 3/4" from 0 to T. D. |
| Casing Depth |                     |              |                        |

|                  |        |                    |            |     |
|------------------|--------|--------------------|------------|-----|
| Survey Begins at | 2,000' | Ft. Ends at        | 4,623'     | Ft. |
| Approx. Fill-Up  | 20%    | Max. Temp.         | 102 DEG. 3 | Ft. |
| Run No.          | 1      | Approx. Top Cement | 4,300'     | Ft. |
| Recorded by      | CARTER | Witnessed by       | COEL       |     |

**REMARKS OR OTHER DATA**  
Approx. Fill-Up Based on Average of 1.1 cu. ft. per sack of set cement

## TEMPERATURE IN DEGREES FAHRENHEIT

