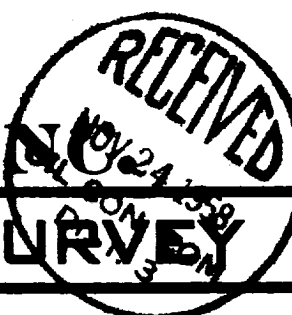


**B. & R.  
SERVICE, INC.**

**TEMPERATURE SURVEY**



|                    |                            |              |                     |
|--------------------|----------------------------|--------------|---------------------|
| COMPANY            | MAGNOLIA PETROLEUM COMPANY |              |                     |
| WELL               | JICARILLA # F-7            | FIELD        |                     |
| COUNTY             | RIO ARriba                 | STATE        | NEW MEXICO          |
| SEC.               | 24                         | TWP.         | 27                  |
|                    |                            | RGE          | 3                   |
| APPROX. TOP CEMENT | 3982'                      |              |                     |
| Survey Begins at   | 3000                       | Ft. Ends at  | 6086 Ft.            |
| Approx. Fill-Up    |                            | Max. Temp.   | 153° @ 6086'        |
| Log Measured From  | R.A.T.                     | Run No.      | ONE                 |
| Casing Size        | 5"                         | Casing Depth | from 3982' to 6230' |
|                    |                            | Diam of Hole | 6 1/2" from to      |
|                    |                            |              | from to             |
| Date of Cementing  | SEPTEMBER 24, 1958         |              | Time 5:15 A.M.      |
| Date of Survey     | SEPTEMBER 24, 1958         |              | Time 1:30 P.M.      |
| Amount of Cement   | 225 SACKS                  |              | Type 6% GEL & REG.  |
| Amount of Admix    |                            |              | Type                |
| Recorded by        | WILSON                     |              | Witnessed by HALL   |

**REMARKS OR OTHER DATA**

5" LINER HUNG FROM 3982' TO 6230'.

POSSIBLE GAS MOVEMENT AT TOP OF LINER

**TEMPERATURE IN DEGREES FAHRENHEIT**

