

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122  
Revised 9-1-65

RECEIVED

JUL 7 1970

OIL CON. COM.  
DIST. 3

|                                                                                                                           |  |                                    |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |  | Test Date<br>7-2-70                |  |
| Company<br>Jerome P. McHugh                                                                                               |  | Connection                         |  |
| Pool<br>So Blanco P.C.                                                                                                    |  | Formation<br>Pictured Cliffs       |  |
| Wellbore Date<br>6-15-70                                                                                                  |  | Total Length<br>2385               |  |
| Casing Size<br>4 1/2"                                                                                                     |  | Set At<br>2385                     |  |
| Well No.<br>1                                                                                                             |  | Perforations:<br>From 2310 To 2328 |  |
| Thg. Size<br>1 1/4"                                                                                                       |  | Set At<br>2304                     |  |
| Perforations:<br>From Open End To                                                                                         |  | Elevation<br>6241 GR.              |  |
| Type Well - Single - Rodenthead - G.G. or G.O. Multiple<br>Single                                                         |  | Packer Set At                      |  |
| Producing Thru                                                                                                            |  | Baro. Press. - P <sub>a</sub>      |  |
| Reservoir Temp. °F<br>8                                                                                                   |  | Mean Annual Temp. °F               |  |
| L                                                                                                                         |  | H                                  |  |
| G <sub>g</sub><br>.62                                                                                                     |  | % CO <sub>2</sub>                  |  |
| % N <sub>2</sub>                                                                                                          |  | % H <sub>2</sub> S                 |  |
| Prover                                                                                                                    |  | Meter Run                          |  |
| Taps                                                                                                                      |  | State<br>New Mexico                |  |
| County<br>San Juan                                                                                                        |  | Unit<br>A 34 27N 8W                |  |
| Form or Lease Name<br>Hammond                                                                                             |  | Well No.                           |  |

| FLOW DATA |                  |   |              |                 |                      | TUBING DATA |                 | CASING DATA |                 | Duration of Flow |
|-----------|------------------|---|--------------|-----------------|----------------------|-------------|-----------------|-------------|-----------------|------------------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. h <sub>w</sub> | Temp. °F    | Press. p.s.i.g. | Temp. °F    | Press. p.s.i.g. |                  |
| 1.        |                  |   |              |                 |                      |             | 494             |             | 494             |                  |
| 2.        | 5/8" pos. ck.    |   |              | 17              |                      | 60°         |                 |             | 65              |                  |
| 3.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 4.        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 5.        |                  |   |              |                 |                      |             |                 |             |                 |                  |

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                                  |                               |                                        |                      |
|---------------------------|-----------------------|------------------|-------------------------|----------------------------------|-------------------------------|----------------------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor F <sub>t</sub> | Gravity Factor F <sub>g</sub> | Super Compress. Factor F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1.                        |                       |                  |                         |                                  |                               |                                        |                      |
| 2.                        | 8.5417                |                  | 29                      | 1.000                            | .9837                         | 1.0000                                 | 244                  |
| 3.                        |                       |                  |                         |                                  |                               |                                        |                      |
| 4.                        |                       |                  |                         |                                  |                               |                                        |                      |
| 5.                        |                       |                  |                         |                                  |                               |                                        |                      |

| NO. | P <sub>r</sub> | Temp. °R | T <sub>r</sub> | Z | Gas Liquid Hydrocarbon Ratio | Mcf/bbl. |
|-----|----------------|----------|----------------|---|------------------------------|----------|
| 1.  |                |          |                |   |                              |          |
| 2.  |                |          |                |   |                              |          |
| 3.  |                |          |                |   |                              |          |
| 4.  |                |          |                |   |                              |          |
| 5.  |                |          |                |   |                              |          |

| NO. | P <sub>r</sub> | P <sub>w</sub> | P <sub>w</sub> <sup>2</sup> | P <sub>r</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | (1) $\frac{P_r^2}{P_r^2 - P_w^2}$ | (2) $\left[ \frac{P_r^2}{P_r^2 - P_w^2} \right]^n$ |
|-----|----------------|----------------|-----------------------------|-----------------------------------------------------------|-----------------------------------|----------------------------------------------------|
| 1.  |                |                |                             | 250.107                                                   |                                   |                                                    |
| 2.  |                | 77             | 5929                        | 250.107                                                   |                                   |                                                    |
| 3.  |                |                |                             |                                                           |                                   |                                                    |
| 4.  |                |                |                             |                                                           |                                   |                                                    |
| 5.  |                |                |                             |                                                           |                                   |                                                    |

Absolute Open Flow 249 Mcfd @ 15.025 Angle of Slope  $\theta$  .85  
 Remarks: Very dry throughout test  
 Approved By Commission: \_\_\_\_\_ Conducted By: Jacobs Calculated By: Jacobs Checked By: \_\_\_\_\_