

Form C-122  
Revised 9-1-65

|                                                         |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
|---------------------------------------------------------|--|---------------------------------------------|--|---------------------------------|--|----------------------------------|--|-----------------------------------------------------------|--|---------------------------------------|--|------------------------------------------------------|--|----------------------|--|----------|--|-----------------|--|----------|--|------------------|--|
| Type Test                                               |  | <input checked="" type="checkbox"/> Initial |  | <input type="checkbox"/> Annual |  | <input type="checkbox"/> Special |  | Test Date                                                 |  | 11-29-78                              |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Company                                                 |  |                                             |  | Connection                      |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Great Western Drilling Co.                              |  |                                             |  | El Paso Natural Gas Co.         |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Pool                                                    |  |                                             |  | Formation                       |  |                                  |  | Unit                                                      |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Artec                                                   |  |                                             |  | Pictured Cliffs                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Completion Date                                         |  | Total Depth                                 |  | Plug Back TD                    |  | Elevation                        |  | Farm or Lease Name                                        |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 11-9-78                                                 |  | 3360                                        |  |                                 |  | 6606' GL                         |  | J. E. Decker                                              |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Csg. Size                                               |  | Wt.                                         |  | d                               |  | Set At                           |  | Perforations:                                             |  | Well No.                              |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 2.875                                                   |  | 6.5                                         |  | 2.347                           |  | 3360                             |  | From 3236 To 3310                                         |  | 8                                     |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Thg. Size                                               |  | Wt.                                         |  | d                               |  | Set At                           |  | Perforations:                                             |  | Unit Sec. Twp. Rge.                   |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
|                                                         |  |                                             |  |                                 |  |                                  |  | From To                                                   |  | L 8 32N 11W                           |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple |  |                                             |  |                                 |  | Packer Set At                    |  | County                                                    |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Single Gas                                              |  |                                             |  |                                 |  |                                  |  | San Juan                                                  |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Producing Thru                                          |  | Reservoir Temp. °F                          |  | Mean Annual Temp. °F            |  | Baro. Press. - P <sub>a</sub>    |  | State                                                     |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Casing                                                  |  | @                                           |  |                                 |  | 12                               |  | New Mexico                                                |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| L                                                       |  | H                                           |  | G <sub>g</sub>                  |  | % CO <sub>2</sub>                |  | % N <sub>2</sub>                                          |  | % H <sub>2</sub> S                    |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
|                                                         |  |                                             |  | 0.650                           |  |                                  |  |                                                           |  | Prover                                |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
|                                                         |  |                                             |  |                                 |  |                                  |  |                                                           |  | Meter Run                             |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
|                                                         |  |                                             |  |                                 |  |                                  |  |                                                           |  | Taps                                  |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| FLOW DATA                                               |  |                                             |  |                                 |  | TUBING DATA                      |  | CASING DATA                                               |  | Duration                              |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 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. |  | Temp. °F |  | Duration of Flow |  |
| SI                                                      |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  | 20 days          |  |
| 1.                                                      |  | 2.0                                         |  | 0.125                           |  |                                  |  |                                                           |  |                                       |  | 26                                                   |  |                      |  |          |  | 1140            |  |          |  | 2 hours          |  |
| 2.                                                      |  | 2.0                                         |  | 0.21875                         |  |                                  |  |                                                           |  |                                       |  | 40                                                   |  |                      |  |          |  | 1125            |  |          |  | 2 hours          |  |
| 3.                                                      |  | 2.0                                         |  | 0.3125                          |  |                                  |  |                                                           |  |                                       |  | 41                                                   |  |                      |  |          |  | 1087            |  |          |  | 2 hours          |  |
| 4.                                                      |  | 2.0                                         |  | 0.4375                          |  |                                  |  |                                                           |  |                                       |  | 45                                                   |  |                      |  |          |  | 1003            |  |          |  | 2 hours          |  |
| 5.                                                      |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  | 819             |  |          |  | 2 hours          |  |
| RATE OF FLOW CALCULATIONS                               |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| NO.                                                     |  | Coefficient (24 Hour)                       |  | $\sqrt{h_w P_m}$                |  | Pressure P <sub>m</sub>          |  | Flow Temp. Factor Ft.                                     |  | Gravity Factor F <sub>g</sub>         |  | Super Compress. Factor, F <sub>pv</sub>              |  | Rate of Flow Q, Mcfd |  |          |  |                 |  |          |  |                  |  |
| 1                                                       |  | 0.2648                                      |  |                                 |  |                                  |  | 1.034                                                     |  | 1.240                                 |  | 1.163                                                |  | 402                  |  |          |  |                 |  |          |  |                  |  |
| 2                                                       |  | 0.8393                                      |  |                                 |  |                                  |  | 1.020                                                     |  | 1.240                                 |  | 1.135                                                |  | 1170                 |  |          |  |                 |  |          |  |                  |  |
| 3                                                       |  | 1.672                                       |  |                                 |  |                                  |  | 1.019                                                     |  | 1.240                                 |  | 1.121                                                |  | 1918                 |  |          |  |                 |  |          |  |                  |  |
| 4                                                       |  | 3.408                                       |  |                                 |  |                                  |  | 1.015                                                     |  | 1.240                                 |  | 1.096                                                |  | 3347                 |  |          |  |                 |  |          |  |                  |  |
| 5                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| NO.                                                     |  | P <sub>t</sub>                              |  | Temp. °R                        |  | T <sub>r</sub>                   |  | Z                                                         |  | Gas Liquid Hydrocarbon Ratio          |  | Mcf/bbl.                                             |  |                      |  |          |  |                 |  |          |  |                  |  |
| 1                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  | A.P.I. Gravity of Liquid Hydrocarbons |  | Deg.                                                 |  |                      |  |          |  |                 |  |          |  |                  |  |
| 2                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  | Specific Gravity Separator Gas        |  | X X X X X X X X                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 3                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  | Specific Gravity Flowing Fluid        |  | X X X X X                                            |  |                      |  |          |  |                 |  |          |  |                  |  |
| 4                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  | Critical Pressure                     |  | P.S.I.A.                                             |  |                      |  |          |  |                 |  |          |  |                  |  |
| 5                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  | Critical Temperature                  |  | R                                                    |  |                      |  |          |  |                 |  |          |  |                  |  |
| P <sub>c</sub>                                          |  | P <sub>c</sub> <sup>2</sup>                 |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| NO                                                      |  | P <sub>t</sub> <sup>2</sup>                 |  | P <sub>w</sub>                  |  | P <sub>w</sub> <sup>2</sup>      |  | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> |  | (1) $\frac{P_c^2}{P_c^2 - P_w^2} =$   |  | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ |  |                      |  |          |  |                 |  |          |  |                  |  |
| 1                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 2                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 3                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 4                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| 5                                                       |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| AOF = Q                                                 |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Absolute Open Flow                                      |  | 5666                                        |  | Mcf @ 15.025                    |  | Angle of Slope @                 |  | 54.0533°                                                  |  | Slope, n                              |  | 0.72512                                              |  |                      |  |          |  |                 |  |          |  |                  |  |
| Remarks:                                                |  |                                             |  |                                 |  |                                  |  |                                                           |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |
| Approved By Commission:                                 |  |                                             |  | Conducted By:                   |  |                                  |  | Calculated By:                                            |  |                                       |  | Checked By:                                          |  |                      |  |          |  |                 |  |          |  |                  |  |
|                                                         |  |                                             |  |                                 |  |                                  |  | D. E. BAXTER                                              |  |                                       |  |                                                      |  |                      |  |          |  |                 |  |          |  |                  |  |