

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122  
 Revised 9-7-55

|                                                                                                                                   |          |                    |                   |                                        |                    |                               |           |                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|-------------------|----------------------------------------|--------------------|-------------------------------|-----------|---------------------------------------|--|
| Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special |          |                    |                   |                                        |                    | Test Date 1-17-82             |           |                                       |  |
| Company Amoco Production Company                                                                                                  |          |                    |                   | Connection El Paso Natural Gas Company |                    |                               |           |                                       |  |
| Pool Basin                                                                                                                        |          |                    |                   | Formation Dakota                       |                    |                               |           | Unit                                  |  |
| Completion Date 12-23-81                                                                                                          |          | Total Depth 7218   |                   | Plug Back TD 7176                      |                    | Elevation 6150                |           | Farm or Lease Name State Gas Com "BP" |  |
| Csq. Size 5.500                                                                                                                   | Wt. 15.5 | d 4.950            | Set At 2718       | Perforations: From 6957 To 7024        |                    |                               |           | Well No. 1                            |  |
| Tbg. Size 2.063                                                                                                                   | Wt. 3.25 | d 1.751            | Set At 7116       | Perforations: From open To ended       |                    |                               |           | Unit Sec. Twp. Rye. G 32 29N 9W       |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual                                                                      |          |                    |                   |                                        |                    | Packer Set At 3680            |           | County San Juan                       |  |
| Producing Thru Tubing                                                                                                             |          | Reservoir Temp. °F |                   | Mean Annual Temp. °F                   |                    | Baro. Press. - P <sub>a</sub> |           | State New Mexico                      |  |
| L                                                                                                                                 | H        | Gg                 | % CO <sub>2</sub> | % N <sub>2</sub>                       | % H <sub>2</sub> S | Prover                        | Meter Run | Taps                                  |  |

  

| 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. | Temp. °F |                  |
| SI        | 14 Days          |   |              |                 |                      |          | 1610            |          | X               |          |                  |
| 1.        | 2.375            |   | .750         |                 |                      |          | 425             |          | X               |          | 3 hrs            |
| 2.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |
| 3.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |
| 4.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |
| 5.        |                  |   |              |                 |                      |          |                 |          |                 |          |                  |

  

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                       |                   |                             |                      |
|---------------------------|-----------------------|------------------|-------------------------|-----------------------|-------------------|-----------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor Ft. | Gravity Factor Fg | Super Compress. Factor, Fpv | Rate of Flow Q, Mcfd |
| 1                         | 12.365                |                  | 437                     | 1.000                 | .9258             | 1.055                       | 5278                 |
| 2.                        |                       |                  |                         |                       |                   |                             |                      |
| 3.                        |                       |                  |                         |                       |                   |                             |                      |
| 4.                        |                       |                  |                         |                       |                   |                             |                      |
| 5.                        |                       |                  |                         |                       |                   |                             |                      |

  

|     |                |          |                |   |                                                  |
|-----|----------------|----------|----------------|---|--------------------------------------------------|
| NO. | P <sub>r</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 _____             |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid _____             |
| 4.  |                |          |                |   | Critical Pressure _____ P.S.I.A.                 |
| 5.  |                |          |                |   | Critical Temperature _____ R                     |

  

|                     |                        |                |                             |                             |                                            |                                                             |
|---------------------|------------------------|----------------|-----------------------------|-----------------------------|--------------------------------------------|-------------------------------------------------------------|
| P <sub>c</sub> 1622 | P <sub>w</sub> 2630884 |                |                             |                             |                                            |                                                             |
| NO.                 | P <sub>r</sub>         | P <sub>w</sub> | P <sub>r</sub> <sup>2</sup> | P <sub>w</sub> <sup>2</sup> | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7433$ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.1316$ |
| 1                   |                        | 1293           | 1671849                     | 959035                      |                                            |                                                             |
| 2                   |                        |                |                             |                             |                                            |                                                             |
| 3                   |                        |                |                             |                             |                                            |                                                             |
| 4                   |                        |                |                             |                             |                                            |                                                             |
| 5                   |                        |                |                             |                             |                                            |                                                             |

  

|                                                                |  |
|----------------------------------------------------------------|--|
| ACF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11250$ |  |
|----------------------------------------------------------------|--|

  

|                                        |                        |              |
|----------------------------------------|------------------------|--------------|
| Absolute Open Flow 11250 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75 |
|----------------------------------------|------------------------|--------------|

  

|                         |                             |                              |             |
|-------------------------|-----------------------------|------------------------------|-------------|
| Remarks:                |                             |                              |             |
| Approved By Commission: | Conducted By: J. J. Barnett | Calculated By: J. J. Barnett | Checked By: |