

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

Form C-122  
Revised 9-1-65

|                                                                                                                           |            |                         |                   |                                               |                    |                               |                                                                |
|---------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|-------------------|-----------------------------------------------|--------------------|-------------------------------|----------------------------------------------------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |            |                         |                   | Test Date<br>9-15-80                          |                    |                               |                                                                |
| Company<br>El Paso Natural Gas Co.                                                                                        |            |                         |                   | Connection                                    |                    |                               |                                                                |
| Pool<br>Blanco                                                                                                            |            |                         |                   | Formation<br>Mesa Verde                       |                    | Unit                          |                                                                |
| Completion Date                                                                                                           |            | Total Depth<br>4861     |                   | Plug Back TD<br>4844                          |                    | Elevation<br>5758 GR          |                                                                |
| Farm or Lease Name<br>Grambling A                                                                                         |            |                         |                   |                                               |                    |                               |                                                                |
| Csq. Size<br>7.00                                                                                                         | Wt.<br>20  | d<br>6.456              | Set At<br>2489    | Perforations:<br>From *3747      To      4789 |                    |                               | Well No.<br>#1A                                                |
| Tbg. Size<br>2.375                                                                                                        | Wt.<br>4.7 | d<br>1.995              | Set At<br>4785    | Perforations:<br>From      To                 |                    |                               | Unit      Sec.      Twp.      Rge.<br>F      21      28      8 |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |            |                         |                   | Packer Set At<br>None                         |                    | County<br>San Juan            |                                                                |
| Producing Thru                                                                                                            |            | Reservoir Temp. °F<br>@ |                   | Mean Annual Temp. °F                          |                    | Baro. Press. - P <sub>a</sub> |                                                                |
| State<br>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        |                  |   |              |                 |                      |             | 300             |             | 830             |                  | 10 Days  |
| 1.        |                  |   |              |                 |                      |             |                 |             |                 |                  |          |
| 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 Mcfd |
| 1                         |                       |                  |                         |                       |                   |                             |                   |
| 2                         |                       |                  |                         |                       |                   |                             |                   |
| 3                         |                       |                  |                         |                       |                   |                             |                   |
| 4                         |                       |                  |                         |                       |                   |                             |                   |
| 5                         |                       |                  |                         |                       |                   |                             |                   |

  

| NO. | P <sub>f</sub> | Temp. °R | T <sub>f</sub> | Z | Gas Liquid Hydrocarbon Ratio _____ Mcf/Sbl.          |
|-----|----------------|----------|----------------|---|------------------------------------------------------|
| 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. _____ P.S.I.A.      |
| 5   |                |          |                |   | Critical Temperature _____ R _____ R                 |

  

| NO. | P <sub>f</sub> | P <sub>w</sub> | P <sub>c</sub> <sup>2</sup> | 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   |                |                |                             |                             |                                                           |                                           |                                                            |

  

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

  

|                                        |  |                               |                |
|----------------------------------------|--|-------------------------------|----------------|
| Absolute Open Flow _____ Mcfd @ 15.025 |  | Angle of Slope $\theta$ _____ | Slope, n _____ |
| Remarks: _____                         |  |                               |                |

  

|                         |                                  |                           |             |
|-------------------------|----------------------------------|---------------------------|-------------|
| Approved By Commission: | Conducted By:<br>Norman Waggoner | Calculated By:<br>Ed Mabe | Checked By: |
|-------------------------|----------------------------------|---------------------------|-------------|