

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><b>7/27/76</b>                              |           |                                                  |  |
| Company<br><b>AMOCO PRODUCTION COMPANY</b>                                                                                |                   |                                      |                       | Connection<br><b>El Paso Natural Gas Company</b> |                    |                                                          |           |                                                  |  |
| Pool<br><b>Blanco</b>                                                                                                     |                   |                                      |                       | Formation<br><b>Mesaverde</b>                    |                    |                                                          |           | Unit:                                            |  |
| Completion Date<br><b>7/20/76</b>                                                                                         |                   | Total Depth<br><b>5510</b>           |                       | Plug Back TD<br><b>5463</b>                      |                    | Elevation<br><b>6219 GL</b>                              |           | Farm or Lease Name<br><b>Elliott Gas Com "C"</b> |  |
| Csq. Size<br><b>7.000</b>                                                                                                 | Wt.<br><b>20</b>  | d<br><b>6.456</b>                    | Set At<br><b>3373</b> | Perforations:<br>From <b>4636</b> To <b>5371</b> |                    | Well No.<br><b>1-A</b>                                   |           |                                                  |  |
| Tbg. Size<br><b>2.375</b>                                                                                                 | Wt.<br><b>4.7</b> | d<br><b>1.995</b>                    | Set At<br><b>5353</b> | Perforations:<br>From <b>open ended</b> To       |                    | Unit    Sec.    Twp.    Rge.<br><b>E    9    30    9</b> |           |                                                  |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br><b>Single</b>                                                  |                   |                                      |                       | Packer Set At<br><b>None</b>                     |                    | County<br><b>San Juan</b>                                |           |                                                  |  |
| Producing Thru<br><b>Tubing</b>                                                                                           |                   | Reservoir Temp. °F<br><b>90 @ TD</b> |                       | Mean Annual Temp. °F<br><b>88°</b>               |                    | Baro. Press. - P <sub>a</sub>                            |           | State<br><b>New Mexico</b>                       |  |
| L<br><b>5004</b>                                                                                                          | H                 | Gg<br><b>.650</b>                    | % 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. |                  |
| SI        | <b>7 days</b>    |   |              |                 |                      |             | <b>716</b>      |             | <b>714</b>      |                  |
| 1.        | <b>2-3/8"</b>    |   | <b>0.750</b> |                 |                      |             | <b>260</b>      | <b>60°</b>  | <b>630</b>      | <b>3 hrs.</b>    |
| 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                         | <b>12.365</b>         |                  | <b>272</b>              | <b>1.000</b>          | <b>0.9608</b>     | <b>1.027</b>                | <b>3319</b>          |
| 2.                        |                       |                  |                         |                       |                   |                             |                      |
| 3.                        |                       |                  |                         |                       |                   |                             |                      |
| 4.                        |                       |                  |                         |                       |                   |                             |                      |
| 5.                        |                       |                  |                         |                       |                   |                             |                      |

  

|     |                |          |                |   |                                                      |
|-----|----------------|----------|----------------|---|------------------------------------------------------|
| NO. | P <sub>t</sub> | Temp. °R | T <sub>t</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. _____ P.S.I.A.      |
| 5.  |                |          |                |   | Critical Temperature _____ R _____ R                 |

  

|                           |                                            |                |                             |                                                           |                                                                     |
|---------------------------|--------------------------------------------|----------------|-----------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|
| P <sub>c</sub> <b>728</b> | P <sub>c</sub> <sup>2</sup> <b>529,984</b> |                |                             | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = $ <b>4.4983</b>        | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = $ <b>3.0888</b> |
| 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                         |                                            | <b>642</b>     | <b>412,164</b>              | <b>117,820</b>                                            |                                                                     |
| 2                         |                                            |                |                             |                                                           |                                                                     |
| 3                         |                                            |                |                             |                                                           |                                                                     |
| 4                         |                                            |                |                             |                                                           |                                                                     |
| 5                         |                                            |                |                             |                                                           |                                                                     |

  

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$  **10.758**

**AUG 4 1976**

  

|                                               |                |                |                     |
|-----------------------------------------------|----------------|----------------|---------------------|
| Absolute Open Flow <b>10,252</b>              | Mcf/d @ 15.025 | Angle of Slope | Slope, n <b>.75</b> |
| Remarks: <b>4.500' 10.5# Liner 3192-5506'</b> |                |                |                     |

  

|                         |                                      |                                        |                                        |
|-------------------------|--------------------------------------|----------------------------------------|----------------------------------------|
| Approved By Commission: | Conducted By:<br><b>T. M. Oliver</b> | Calculated By:<br><b>W. R. Cordill</b> | Checked By:<br><b>H. D. Montgomery</b> |
|-------------------------|--------------------------------------|----------------------------------------|----------------------------------------|