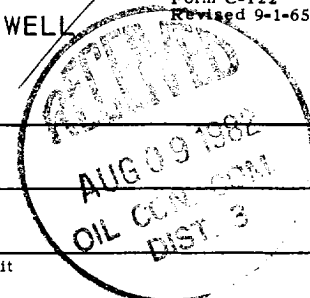


NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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>8-5-82                 |                 |                                       |           |
| Company<br>El Paso Exploration Company                                                                                    |             |                         |                   | Connection<br>Northwest Pipeline    |                    |                                     |                 |                                       |           |
| Pool<br>Blanco                                                                                                            |             |                         |                   | Formation<br>Mesa Verde             |                    |                                     |                 | Unit                                  |           |
| Completion Date<br>7-28-82                                                                                                |             | Total Depth<br>6483     |                   | Plug Back TD<br>6357                |                    | Elevation<br>7152 GR                |                 | Farm or Lease Name<br>Jicarilla 119 N |           |
| Csg. Size<br>7.00                                                                                                         | Wt.<br>20.0 | d<br>6.456              | Set At<br>4239    | Perforations:<br>From *5548 To 6357 |                    | Well No.<br>4A                      |                 |                                       |           |
| Tbg. Size<br>2.375                                                                                                        | Wt.<br>4.70 | d<br>1.995              | Set At<br>6341    | Perforations:<br>From To            |                    | Unit<br>J                           | Sec.<br>6       | Twp.<br>26                            | Rge.<br>4 |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |             |                         |                   |                                     |                    | Packer Set At                       |                 | County<br>Rio Arriba                  |           |
| Producing Thru                                                                                                            |             | Reservoir Temp. *F<br>@ |                   | Mean Annual Temp. *F                |                    | Baro. Press. - P <sub>a</sub><br>12 |                 | State<br>New Mexico                   |           |
| L                                                                                                                         | H           | Gg<br>.680              | % CO <sub>2</sub> | % N <sub>2</sub>                    | % H <sub>2</sub> S | Prover                              | Meter Run<br>4" | Taps<br>Flg.                          |           |

| 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        |                  |   |              |                 |                      |          | 520             |          | 1040            |          | 8 Days           |
| 1.        | 4"               | X | 2.500        | 18              | 16                   | 76       | 138             |          | 700             |          | 3 Hours          |
| 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                         | 32.64                 | 21.88            | 30                      | 0.9850               | 1.213             | 1.000                       | 853                  |
| 2.                        |                       |                  |                         |                      |                   |                             |                      |
| 3.                        |                       |                  |                         |                      |                   |                             |                      |
| 4.                        |                       |                  |                         |                      |                   |                             |                      |
| 5.                        |                       |                  |                         |                      |                   |                             |                      |

|     |                |          |                |   |                                                 |
|-----|----------------|----------|----------------|---|-------------------------------------------------|
| NO. | P <sub>t</sub> | Temp. *R | T <sub>f</sub> | Z | Gas Liquid Hydrocarbon Ratio 17.05 Mcf/bbl.     |
| 1   |                |          |                |   | A.P.I. Gravity of Liquid Hydrocarbons 43.3 Deg. |
| 2.  |                |          |                |   | Specific Gravity Separator Gas XXXXXXXXXX       |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid XXXXXX           |
| 4.  |                |          |                |   | Critical Pressure P.S.I.A. P.S.I.A.             |
| 5.  |                |          |                |   | Critical Temperature R R                        |

|                     |                                       |                             |
|---------------------|---------------------------------------|-----------------------------|
| P <sub>c</sub> 1052 | P <sub>c</sub> <sup>2</sup> 1,106,704 |                             |
| NO                  | P <sub>t</sub> <sup>2</sup>           | P <sub>w</sub> <sup>2</sup> |
| 1                   | 712                                   | 506,944                     |
| 2                   |                                       |                             |
| 3                   |                                       |                             |
| 4                   |                                       |                             |
| 5                   |                                       |                             |

|                                                               |  |                                                             |  |
|---------------------------------------------------------------|--|-------------------------------------------------------------|--|
| (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8452$                    |  | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5832$ |  |
| AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1350$ |  |                                                             |  |

|                                       |                         |              |
|---------------------------------------|-------------------------|--------------|
| Absolute Open Flow 1350 Mcfd @ 15.025 | Angle of Slope $\theta$ | Slope, n .75 |
|---------------------------------------|-------------------------|--------------|

|                                               |  |
|-----------------------------------------------|--|
| Remarks: *4 1/2" Liner from 4101 to 6483'     |  |
| Fluid Produced - 7.92 Bbl. Oil 65 Bbls. water |  |
| Vented During Test - 135 MCF                  |  |

|                         |                              |                              |             |
|-------------------------|------------------------------|------------------------------|-------------|
| Approved By Commission: | Conducted By:<br>Lyle Nation | Calculated By:<br>Bill Clark | Checked By: |
|-------------------------|------------------------------|------------------------------|-------------|