

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>10-2-85                |           |                             |            |
| Company<br>El Paso Natural Gas                                                                                            |             |                         |                   | Connection                         |                    |                                     |           |                             |            |
| Pool<br>Basin                                                                                                             |             |                         |                   | Formation<br>Dakota                |                    |                                     |           | Unit                        |            |
| Completion Date<br>10-2-85                                                                                                |             | Total Depth<br>7512     |                   | Plug Back TD<br>7503               |                    | Elevation                           |           | Farm or Lease Name<br>Klein |            |
| Coq. Size<br>4.500                                                                                                        | wt.<br>10.5 | d<br>4.052              | Set At<br>7512    | Perforations:<br>From 7264 To 7455 |                    | Well No.<br>#26E                    |           |                             |            |
| Req. Size<br>2.375                                                                                                        | wt.<br>4.7  | d<br>1.995              | Set At<br>7450    | Perforations:<br>From To           |                    | Unit<br>0                           |           | Sec.<br>33                  | Twp.<br>26 |
| Type Well - Single - Bradenhead - G.C. or G.O. Multiple<br>Single                                                         |             |                         |                   |                                    |                    | Packer Set At<br>None               |           | County<br>Rio Arriba        |            |
| Producing Thru<br>Tbg.                                                                                                    |             | Reservoir Temp. °F<br>a |                   | Mean Annual Temp. °F               |                    | Baro. Press. - P <sub>a</sub><br>12 |           | 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        |                  |   |              |                 |                      |          | 1880            |          | 2100            |          | 7 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 F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mscf/d |
| 1                         |                       |                  |                         |                       |                               |                                         |                        |
| 2                         |                       |                  |                         |                       |                               |                                         |                        |
| 3                         |                       |                  |                         |                       |                               |                                         |                        |
| 4                         |                       |                  |                         |                       |                               |                                         |                        |
| 5                         |                       |                  |                         |                       |                               |                                         |                        |

  

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|     |                |          |                |   |                                       |          |
|-----|----------------|----------|----------------|---|---------------------------------------|----------|
| 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        | XXXXXXX  |
| 3   |                |          |                |   | Specific Gravity Flowing Fluid        | XXXXXX   |
| 4   |                |          |                |   | Critical Pressure                     | P.S.I.A. |
| 5   |                |          |                |   | Critical Temperature                  | R        |

  

|     |                |                |                             |                                                           |                                     |                                                      |
|-----|----------------|----------------|-----------------------------|-----------------------------------------------------------|-------------------------------------|------------------------------------------------------|
| NO. | P <sub>r</sub> | 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   |                |                |                             |                                                           |                                     |                                                      |

  

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

  

|                    |                 |                         |          |
|--------------------|-----------------|-------------------------|----------|
| Absolute Open Flow | Mscf/d @ 15.025 | Angle of Slope $\theta$ | Slope, n |
| Remarks: -         |                 |                         |          |

  

|                         |                             |                           |                    |
|-------------------------|-----------------------------|---------------------------|--------------------|
| Approved by Commission: | Conducted By:<br>Les Hepner | Calculated By:<br>Ed Mabe | Checked By:<br>kld |
|-------------------------|-----------------------------|---------------------------|--------------------|