

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

Form C-122  
Revised 9-1-65

|                                                                                                                        |  |                                        |  |                                                  |  |                                                   |  |
|------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--|--------------------------------------------------|--|---------------------------------------------------|--|
| Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |  |                                        |  |                                                  |  | Test Date<br><b>Jan. 30, 1975</b>                 |  |
| Company<br><b>Getty Oil Company</b>                                                                                    |  |                                        |  | Connection<br><b>El Paso Natural Gas Company</b> |  |                                                   |  |
| Pool<br><b>Jalmat</b>                                                                                                  |  |                                        |  | Formation<br><b>Yates</b>                        |  | Unit<br><b>D</b>                                  |  |
| Completion Date<br><b>12-28-74</b>                                                                                     |  | Total Depth<br><b>3599</b>             |  | Plug Back TD<br><b>3563</b>                      |  | Elevation<br><b>3502 KB</b>                       |  |
| Csg. Size<br><b>4 1/2</b>                                                                                              |  | WI.<br><b>10.5</b>                     |  | Set At<br><b>3599</b>                            |  | Perforations:<br>From <b>3352</b> To <b>3404</b>  |  |
| Tbg. Size<br><b>2 3/8</b>                                                                                              |  | WI.<br><b>4.7</b>                      |  | Set At<br><b>3292</b>                            |  | Perforations:<br>From <b>open</b> To <b>ended</b> |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br><b>Single</b>                                               |  |                                        |  |                                                  |  | Facker Set At<br><b>3288</b>                      |  |
| Producing Thru<br><b>Tbg.</b>                                                                                          |  | Reservoir Temp. °F<br><b>108° 3378</b> |  | Mean Annual Temp. °F<br><b>13.2</b>              |  | Baro. Press. - P.<br><b>13.2</b>                  |  |
| L<br><b>3378</b>                                                                                                       |  | H<br><b>3378</b>                       |  | Gg<br><b>.680</b>                                |  | % CO <sub>2</sub> <b></b>                         |  |
|                                                                                                                        |  |                                        |  | % N <sub>2</sub> <b></b>                         |  | % H <sub>2</sub> S <b></b>                        |  |
|                                                                                                                        |  |                                        |  | Prover                                           |  | Meter Run<br><b>4"</b>                            |  |
|                                                                                                                        |  |                                        |  |                                                  |  | Taps<br><b>Flg.</b>                               |  |

  

| 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        |                  |   |              |                 |                      |          | 182             |          |                 |          | 72 hr.           |
| 1.        | 1/4              | x | 1.250        | 55              | 1.14                 | 44       | 174             |          |                 |          | 45 Mir           |
| 2.        | 1/4              | x | 1.250        | 55              | 5.29                 | 46       | 167             |          |                 |          | 30 Mir           |
| 3.        | 1/4              | x | 1.250        | 55              | 16.0                 | 46       | 154             |          |                 |          | 30 Mir           |
| 4.        | 1/4              | x | 1.250        | 55              | 30.25                | 48       | 138             |          |                 |          | 30 Mir           |
| 5.        | 1/4              | x | 1.250        | 55              | 51.84                | 50       | 113             |          |                 |          | 30 Mir           |

  

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                                  |                               |                                         |                      |
|---------------------------|-----------------------|------------------|-------------------------|----------------------------------|-------------------------------|-----------------------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor F <sub>t</sub> | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1                         | 7.469                 | 9.91             | 68.2                    | 1.016                            | 1.213                         | Nil                                     | 91                   |
| 2.                        | 7.469                 | 18.99            | 68.2                    | 1.014                            | 1.213                         | Nil                                     | 174                  |
| 3.                        | 7.469                 | 33.03            | 68.2                    | 1.014                            | 1.213                         | Nil                                     | 303                  |
| 4.                        | 7.469                 | 45.42            | 68.2                    | 1.012                            | 1.213                         | Nil                                     | 416                  |
| 5.                        | 7.469                 | 59.46            | 68.2                    | 1.010                            | 1.213                         | Nil                                     | 544                  |

  

| NO. | P | Temp. °R | T <sub>r</sub> | Z | Gas Liquid Hydrocarbon Ratio                     | Mcf/bbl. |
|-----|---|----------|----------------|---|--------------------------------------------------|----------|
| 1.  |   |          |                |   | A.P.I. Gravity of Liquid Hydrocarbons <b>dry</b> | Deg.     |
| 2.  |   |          |                |   | Specific Gravity Separator Gas <b>.680</b>       | XXXXXX   |
| 3.  |   |          |                |   | Specific Gravity Flowing Fluid <b>XXXXX</b>      |          |
| 4.  |   |          |                |   | Critical Pressure <b>669</b> P.S.I.A.            | P.S.I.A. |
| 5.  |   |          |                |   | Critical Temperature <b>385</b> R                | R        |

  

| NO. | P <sub>1</sub> <sup>2</sup> | P <sub>w</sub> <sup>2</sup> | P <sub>w</sub> <sup>2</sup> | P <sub>e</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> |
|-----|-----------------------------|-----------------------------|-----------------------------|-----------------------------------------------------------|
| 1   |                             | 187.4                       | 35.12                       | 2.98                                                      |
| 2   |                             | 181.5                       | 32.94                       | 5.16                                                      |
| 3   |                             | 172.5                       | 29.75                       | 8.35                                                      |
| 4   |                             | 159.4                       | 25.40                       | 12.70                                                     |
| 5   |                             | 142.0                       | 20.17                       | 17.93                                                     |

  

(1)  $\frac{P_e^2}{P_e^2 - P_w^2} = 2.125$

AOF = Q  $\left[ \frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.089$

(2)  $\left[ \frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 2.002$

  

|                    |               |                                |                      |
|--------------------|---------------|--------------------------------|----------------------|
| Absolute Open Flow | Mold @ 13.025 | Angle of Slope @ <b>47.25°</b> | Slope, n <b>.021</b> |
|--------------------|---------------|--------------------------------|----------------------|

  

Remarks: **No Measurable Fluid made.**

  

|                                              |                                   |                                    |            |
|----------------------------------------------|-----------------------------------|------------------------------------|------------|
| Approved By Commission<br><i>[Signature]</i> | Conducted By<br><b>Rick Pagan</b> | Calculated By<br><b>Rick Pagan</b> | Checked By |
|----------------------------------------------|-----------------------------------|------------------------------------|------------|

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OIL CONSERVATION COMMISSION  
LAWRENCE, KANSAS