

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

Form C-122  
Revised 9-1-65

**RECEIVED**  
MAR 05 1984  
OIL CON. DIV.  
DIST. 3

|                                                                                                                           |             |                                   |                   |                                       |                    |
|---------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|-------------------|---------------------------------------|--------------------|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |             |                                   |                   | Test Date<br>3/1/84                   |                    |
| Company<br>R. C. WYNN                                                                                                     |             |                                   |                   | Connection                            |                    |
| Pool<br>Largo Chacra                                                                                                      |             |                                   |                   | Formation<br>Chacra                   |                    |
| Completion Date<br>2/16/84                                                                                                |             | Total Depth<br>3330'              |                   | Plug Back TD<br>3282'                 |                    |
| Elevation<br>5912GR                                                                                                       |             | Farm or Lease Name<br>Federal "R" |                   |                                       |                    |
| Csg. Size<br>4-1/2                                                                                                        | Wt.<br>9.50 | d<br>4.090                        | Set At<br>3325'   | Perforations:<br>From 3044 To 3215'   |                    |
| Thg. Size<br>1-1/2                                                                                                        | Wt.<br>2.30 | d<br>1.380                        | Set At<br>3085'   | Perforations:<br>From Open Ended      |                    |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>Single                                                         |             |                                   |                   | Packer Set At<br>None                 |                    |
| Producing Thru<br>Tubing                                                                                                  |             |                                   |                   | Baro. Press. - P <sub>a</sub><br>12.0 |                    |
| Reservoir Temp. *F<br>99 @ 3321                                                                                           |             | Mean Annual Temp. *F<br>60        |                   | State<br>New Mexico                   |                    |
| L<br>3085                                                                                                                 | H<br>3085   | G <sub>g</sub>                    | % 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        |                  |   |              |                 |                      |             | 1000            |             | 1000            |                  | 7 days   |
| 1.        | 3/4" THC         |   |              |                 |                      |             | 80              |             | 300             |                  | 3 hrs.   |
| 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                         | 12.3650               |                  | 92                      | 1.0000               | 1.0000            | 1.0000                      | 1138                 |
| 2.                        |                       |                  |                         |                      |                   |                             |                      |
| 3.                        |                       |                  |                         |                      |                   |                             |                      |
| 4.                        |                       |                  |                         |                      |                   |                             |                      |
| 5.                        |                       |                  |                         |                      |                   |                             |                      |

  

| NO. | P <sub>t</sub> | Temp. *R | T <sub>f</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> 1012 | P <sub>c</sub> <sup>2</sup> 1,024,144 | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1050$ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0886$ |
| NO                  | P <sub>t</sub> <sup>2</sup>           | P <sub>w</sub>                             | P <sub>w</sub> <sup>2</sup>                                 |
| 1                   |                                       | 312                                        | 97,344                                                      |
| 2                   |                                       |                                            | 926,800                                                     |
| 3                   |                                       |                                            |                                                             |
| 4                   |                                       |                                            |                                                             |
| 5                   |                                       |                                            |                                                             |

  

|                                       |                               |                                  |               |
|---------------------------------------|-------------------------------|----------------------------------|---------------|
| Absolute Open Flow 1239 Mcfd @ 15.025 |                               | Angle of Slope $\theta$ _____    | Slope, n 0.85 |
| Remarks: _____                        |                               |                                  |               |
| Approved By Commission:               | Conducted By:<br>R. Dintleman | Calculated By:<br>Ewell N. Walsh | Checked By:   |

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