

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>3-20-69</b>        |                                |
| Company<br><b>John E. Schalk</b><br><b>Keeton Development Corp.</b>                                                       |                    |                                |                       |                                                  | Connection                         |                                |
| Pool<br><b>Ballard Pictured Cliff</b>                                                                                     |                    |                                |                       |                                                  | Formation<br><b>Pictured Cliff</b> |                                |
| Completion Date<br><b>2-24-69</b>                                                                                         |                    | Total Depth<br><b>3050</b>     |                       | Plug Back TD<br><b>3014</b>                      |                                    | Elevation<br><b>7344 GR</b>    |
| Csg. Size<br><b>4 1/2"</b>                                                                                                | Wt.<br><b>9.5</b>  | d<br><b>4.090</b>              | Set At<br><b>3042</b> | Perforations:<br>From <b>2947</b> To <b>2964</b> |                                    | Well No.<br><b>12</b>          |
| Thg. Size<br><b>1 1/2"</b>                                                                                                | Wt.<br><b>2.40</b> | d<br><b>1.380</b>              | Set At<br><b>2933</b> | Perforations:<br>From <b>Open end</b> To         |                                    | Unit<br><b>I</b>               |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br><b>Single Gas</b>                                              |                    |                                |                       |                                                  | Packer Set At<br><b>None</b>       |                                |
| Producing Thru<br><b>Casg.</b>                                                                                            |                    | Reservoir Temp. °F<br><b>@</b> |                       | Mean Annual Temp. °F                             |                                    | Baro. Press. - P <sub>a</sub>  |
| County<br><b>Rio Arriba</b>                                                                                               |                    | State<br><b>New Mexico</b>     |                       |                                                  |                                    |                                |
| L                                                                                                                         | H                  | Gg<br><b>.650Est.</b>          | % CO <sub>2</sub>     | % N <sub>2</sub>                                 | % H <sub>2</sub> S                 | Prover<br><b>3/4" TC Choke</b> |
| 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        |                      |   |              |                 |                      |             | <b>727</b>      |             | <b>727</b>      |                  | <b>8 days</b> |
| 1.        | <b>3/4" TC Choke</b> |   |              | <b>409</b>      |                      | <b>64°</b>  | <b>478</b>      |             | <b>409</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 F <sub>t</sub> | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1                         | <b>12.3650</b>        |                  | <b>421</b>              | <b>.9962</b>                     | <b>.9608</b>                  | <b>1.043</b>                            | <b>5197</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                 |

  

|     |                             |                |                             |                                                           |                                            |                                                            |
|-----|-----------------------------|----------------|-----------------------------|-----------------------------------------------------------|--------------------------------------------|------------------------------------------------------------|
| 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) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7846$ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.637$ |
| 1   |                             | <b>490</b>     | <b>240100</b>               | <b>306021</b>                                             |                                            |                                                            |
| 2   |                             |                |                             |                                                           |                                            |                                                            |
| 3   |                             |                |                             |                                                           |                                            |                                                            |
| 4   |                             |                |                             |                                                           |                                            |                                                            |
| 5   |                             |                |                             |                                                           |                                            |                                                            |

  

|                                               |  |                                         |  |                                          |  |                     |
|-----------------------------------------------|--|-----------------------------------------|--|------------------------------------------|--|---------------------|
| Absolute Open Flow <b>8,507</b> Mcfd @ 15.025 |  |                                         |  | Angle of Slope $\phi$ _____              |  | Slope, n <b>.85</b> |
| Remarks: _____                                |  |                                         |  |                                          |  |                     |
| Approved By Commission:                       |  | Conducted By:<br><b>David L. Collis</b> |  | Calculated By:<br><b>David L. Collis</b> |  | Checked By:         |

