

NEW MEXICO DEPARTMENT OF ENERGY  
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

*not filed*  
RECEIVED  
APR 11 1972

|                                                                                                                                                                                                                                                                   |            |                                       |            |                                      |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------|------------|--------------------------------------|-------|
| Type Test: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special                                                                                                                                           |            |                                       |            | Test Date: 4/11/72                   |       |
| Company: Black River Corporation                                                                                                                                                                                                                                  |            |                                       |            | Connection: El Paso Natural Gas      |       |
| Well: Washington Morrow                                                                                                                                                                                                                                           |            |                                       |            | Formation: Lower Morrow              |       |
| Completion Date: 4/6/72                                                                                                                                                                                                                                           |            | Total Depth: 7050                     |            | Perforations: 7012                   |       |
| Casing Size: 5-1/2                                                                                                                                                                                                                                                |            | Casing ID: 14-15.5                    |            | Elevation: 3743 KB                   |       |
| Well Size: 2-7/8                                                                                                                                                                                                                                                  |            | Well ID: 6.5                          |            | Part of Lease Name: Cities 3 Federal |       |
| Type Well: Single - Swathness - G.C. or G.O. Multiple                                                                                                                                                                                                             |            | G.C. or G.O. Multiple: G. C. Multiple |            | County: Belfry                       |       |
| Pressure: Tubing                                                                                                                                                                                                                                                  |            | Reservoir Temp. °F: 148 @ 6944        |            | State: New Mexico                    |       |
| 6928                                                                                                                                                                                                                                                              |            | 0.570                                 |            | Well No.: 24                         |       |
| FLOW DATA                                                                                                                                                                                                                                                         |            | RATE OF FLOW CALCULATIONS             |            | Well No.: 24                         |       |
| NO.                                                                                                                                                                                                                                                               | Flow Rate  | Pressure                              | Flow Temp. | Gravity                              | Super |
| 1                                                                                                                                                                                                                                                                 | SI 96 hrs. | 290                                   | 67         | 1.325                                | 1.023 |
| 2                                                                                                                                                                                                                                                                 | 4 x 2-1/4  | 305                                   | 72         | 1.325                                | 1.023 |
| 3                                                                                                                                                                                                                                                                 | 4 x 2-1/4  | 335                                   | 68         | 1.325                                | 1.026 |
| 4                                                                                                                                                                                                                                                                 | 4 x 2-1/4  | 335                                   | 74         | 1.325                                | 1.025 |
| <p>Gas Liquid Hydrocarbon Ratio: Dry</p> <p>A.P.I. Gravity of Liquid Hydrocarbons: 0.570</p> <p>Specific Gravity Separator Gas: XXXXX</p> <p>Specific Gravity Flowing Fluid: XXXXX</p> <p>Critical Pressure: 672 P.S.I.A.</p> <p>Critical Temperature: 346 °F</p> |            |                                       |            |                                      |       |
| NO.                                                                                                                                                                                                                                                               | Flow Rate  | Pressure                              | Flow Temp. | Gravity                              | Super |
| 1                                                                                                                                                                                                                                                                 | 2510.2     | 6301.1                                | 2.2195     | 1.325                                | 1.023 |
| 2                                                                                                                                                                                                                                                                 | 4701.1     | 4737.5                                | 2.2195     | 1.325                                | 1.023 |
| 3                                                                                                                                                                                                                                                                 | 4525.0     | 4575.7                                | 2.2195     | 1.325                                | 1.026 |
| 4                                                                                                                                                                                                                                                                 | 3925.2     | 4038.4                                | 2.2195     | 1.325                                | 1.025 |
| 5                                                                                                                                                                                                                                                                 | 3276.8     | 3462.2                                | 2.2195     | 1.325                                | 1.023 |

Actual Open Flow: 11,158 Mscf/D 15.025 Angle of Slope: 45° Slope: 1.000

Approved By Commission: Conducted By: J. T. Berry Calculated By: J. T. Berry Checked By: