

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE August 9, 1972

|                                                 |                      |                               |                     |
|-------------------------------------------------|----------------------|-------------------------------|---------------------|
| Operator<br>El Paso Natural Gas Company         |                      | Lease<br>Tridge No. 32        |                     |
| Location<br>T00/S, 1460/2, Sec. 23 T 31N, R 11W |                      | County<br>San Juan            | State<br>New Mexico |
| Formation<br>Pictured Cliffs                    |                      | Pool<br>Blanco                |                     |
| Casing: Diameter<br>2.375                       | Set At: Feet<br>2450 | Tubing: Diameter<br>No Tubing | Set At: Feet        |
| Pay Zone: From<br>2344                          | To<br>2376           | Total Depth:<br>2400          | Shut In<br>7-21-72  |
| Stimulation Method<br>S.W.F.                    |                      | Flow Through Casing<br>NOX    | Flow Through Tubing |

|                                       |                    |                                         |                                            |                       |  |
|---------------------------------------|--------------------|-----------------------------------------|--------------------------------------------|-----------------------|--|
| Choke Size, Inches<br>.750            |                    | Choke Constant: C<br>12.365             |                                            | Tubingless Completion |  |
| Shut-In Pressure, Casing, PSIG<br>830 | + 12 = PSIA<br>842 | Days Shut-In<br>13                      | Shut-In Pressure, Tubing PSIG<br>No Tubing | + 12 = PSIA           |  |
| Flowing Pressure: P PSIG<br>236       | + 12 = PSIA<br>248 | Working Pressure: Pw PSIG<br>Calculated | + 12 = PSIA<br>360                         |                       |  |
| Temperature:<br>T = 61 °F Ft = 9950   | n =<br>.85         | Fpv (From Tables)<br>1.022              | Gravity<br>.635                            | Fg = .9721            |  |

CHOKE VOLUME = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

$$Q = (12.365)(248)(.9950)(.9721)(1.022) = 3043 \text{ MCF/D}$$

OPEN FLOW = Aof = Q  $\left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$  NOTE: Well produced a light mist of water and distillate throughout the test.

$$Aof = \left( \frac{304201}{632597} \right)^{.85} = (3043)(1.1441)^{.85} = (3043)(1.1212)$$

$$Aof = 3412 \text{ MCF/D}$$

TESTED BY J. Jones

WITNESSED BY

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