

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE May 4, 1973

|                                                      |                      |                               |                     |
|------------------------------------------------------|----------------------|-------------------------------|---------------------|
| Operator<br>El Paso Natural Gas Company              |                      | Lease<br>Storey No. 10        |                     |
| Location<br>800'S, 1150'W, Section 35, T-28-N, R-8-W |                      | County<br>San Juan            | State<br>New Mexico |
| Formation<br>Pictured Cliffs                         |                      | Pool<br>South Blanco          |                     |
| Casing: Diameter<br>2.875                            | Set At: Feet<br>2759 | Tubing: Diameter<br>No Tubing | Set At: Feet        |
| Pay Zone: From<br>2648                               | To<br>2710           | Total Depth:<br>2759          | Shut In<br>4-25-73  |
| Stimulation Method<br>SWF                            |                      | Flow Through Casing<br>XX     | Flow Through Tubing |

|                                       |                    |                             |                                            |                       |           |
|---------------------------------------|--------------------|-----------------------------|--------------------------------------------|-----------------------|-----------|
| Choke Size, Inches<br>.750            |                    | Choke Constant: C<br>12.365 |                                            | Tubingless Completion |           |
| Shut-In Pressure, Casing, PSIG<br>845 | + 12 = PSIA<br>857 | Days Shut-In<br>9           | Shut-In Pressure, Tubing PSIG<br>No Tubing | + 12 = PSIA           |           |
| Flowing Pressure: P PSIG<br>45        | + 12 = PSIA<br>57  |                             | Working Pressure: Pw PSIG<br>Calculated    | + 12 = PSIA<br>70     |           |
| Temperature:<br>T= 61 °F              | Ft= .9990          | n =<br>.85                  | Fpv (From Tables)<br>1.003                 | Gravity<br>.645       | Fg= .9645 |

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>  
Q = (12.365) (57) (.9990) (.9645) (1.003) = 681 MCF/D

OPEN FLOW = Aof = Q  $\left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n$  NOTE: Well blew dry gas

Aof = Q  $\left( \frac{734449}{729549} \right)^n = 681(1.0067)^{.85} = 681(1.0057)$

Aof = 686 MCF/D



TESTED BY Roger Hardy  
WITNESSED BY

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