

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE January 13, 1972

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|--|-----------------------------|--|----------------------------|
| Operator <u>El Paso Natural Gas Company</u> | | Lease <u>Canyon Largo Unit No. 162 (Recom.)</u> | |
| Location <u>1060' N, 800' E 6-25-6</u> | | County <u>Rio Arriba</u> | State <u>New Mexico</u> |
| Formation <u>Pictured Cliffs</u> | | Pool <u>South Blanco</u> | |
| Casing: Diameter <u>2.875</u> | Set At: Feet <u>3565</u> | Tubing: Diameter <u>No Tubing</u> | Set At: Feet |
| Pay Zone: From <u>2550</u> | To <u>2562</u> | Total Depth: <u>PB 2632</u> | Shut In <u>12-6-71</u> |
| Stimulation Method <u>SWF</u> | | Flow Through Casing <u>XX</u> | Flow Through Tubing |

| | | | | | |
|--|---------------------------|------------------------------------|---|--------------------------|--------------------|
| Choke Size, Inches <u>1.750</u> | | Choke Constant: C <u>12.365</u> | | Tubingless Completion | |
| Shut-In Pressure, Casing, PSIG <u>772</u> | + 12 = PSIA <u>784</u> | Days Shut-In <u>38</u> | Shut-In Pressure, Tubing PSIG <u>No Tubing</u> | + 12 = PSIA | |
| Flowing Pressure: P PSIG <u>35</u> | + 12 = PSIA <u>47</u> | | Working Pressure: Pw PSIG <u>Calculated</u> | + 12 = PSIA <u>58</u> | |
| Temperature: T = <u>56</u> °F | Ft = <u>1.0039</u> | n = <u>.85</u> | Fpv (From Tables) <u>1.004</u> | Gravity <u>0.700</u> | Fg = <u>0.9258</u> |

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(47)(1.0039)(0.9258)(1.004) = \underline{542} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

Note: The well produced a light spray of water and distillate throughout the test.

$$Aof = \left(\frac{595984}{592620} \right)^n = (542)(1.0057)^{.85} = (542)(1.0048)$$

$$Aof = \underline{545} \text{ MCF/D}$$

TESTED BY Dannie Roberts

WITNESSED BY _____



H. E. McAnally