

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 6, 1972

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Atlantic A No. 12</u>	
Location <u>850'/S, 1825'/E, Sec. 29, T31N, R10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>Blanco</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>2897</u>	Tubing: Diameter <u>Tubingless</u>	Set At: Feet
Pay Zone: From <u>2776</u>	To <u>2810</u>	Total Depth: <u>2897</u>	Shut In <u>6-27-72</u>
Stimulation Method <u>SWF</u>		Flow Through Casing <u>XX</u>	Flow Through Tubing

Choke Size, Inches <u>0.750</u>		Choke Constant: C <u>12.365</u>		Tubingless Completion	
Shut-In Pressure, Casing, PSIG <u>997</u>	+ 12 = PSIA <u>1009</u>	Days Shut-In <u>9</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>113</u>	+ 12 = PSIA <u>125</u>		Working Pressure: P _w PSIG <u>Calculated</u>	+ 12 = PSIA <u>155</u>	
Temperature: T = <u>62 °F</u>	F _t = <u>.9981</u>	n = <u>.85</u>	F _{pv} (From Tables) <u>1.012</u>	Gravity <u>.635</u>	F _g = <u>.9721</u>

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(125)(.9981)(.9721)(1.012) = \underline{1518} \text{ MCF/D}$$

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

NOTE: Well produced a light spray of water throughout test.

$$Aof = \left(\frac{1018081}{994056} \right)^n = (1.024)^{.85} (1518) = (1.021)(1518) =$$

$$Aof = \underline{1549} \text{ MCF/D}$$

TESTED BY R. Hardy

WITNESSED BY _____

J. A. Jones
 J. A. Jones