

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 23, 1973

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Atlantic D Com F No. 7</u>	
Location <u>1460'N, 800'E, Section 2, T-30N, R-10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>Blanco Ext</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>3369</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet
Pay Zone: From <u>3274</u>	To <u>3294</u>	Total Depth: <u>3369</u>	Shut In <u>4-16-73</u>
Stimulation Method <u>SWF</u>		Flow Through Casing <u>XX</u>	Flow Through Tubing

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>		Tubingless Completion	
Shut-In Pressure, Casing, PSIG <u>784</u>	+ 12 = PSIA <u>796</u>	Days Shut-In <u>7</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>125</u>	+ 12 = PSIA <u>137</u>		Working Pressure: P _w PSIG <u>Calculated</u>	+ 12 = PSIA <u>175</u>	
Temperature: T = 60 °F	F _t = 1.000	n = <u>.85</u>	F _{pv} (From Tables) <u>1.012</u>	Gravity <u>.635</u>	F _g = <u>.9721</u>

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

$$Q = (12.365)(137)(1.000)(.9721)(1.012) = \underline{1666} \text{ MCF/D}$$

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

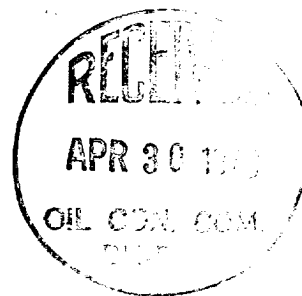
NOTE: The well produced dry gas.

$$Aof = \left(\frac{633616}{602991} \right)^n = (1666)(1.0508)^{.85} = (1666)(1.0430)$$

$$Aof = \underline{1739} \text{ MCF/D}$$

TESTED BY W. Welch

WITNESSED BY _____



William D. Welch

William D. Welch
Well Test Engineer