

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 21, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo #202	
Location 1760/S, 1020/W, Sec. 5, T25N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2965'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2824	To 2882'	Total Depth: 2970	Shut In 11-13-73
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 825	+ 12 = PSIA 837	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 97	+ 12 = PSIA 109		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 136	
Temperature: T = 54 °F	n = .85		F _{pv} (From Tables) 1.011	Gravity .700	F _g = .9258

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

$$Q = (12.365)(109)(1.006)(.9258)(1.011) = \underline{1269} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{700569}{682073} \right)^n = 1269 (1.0271)^{.85} = 1269 (1.0230)$$

$$Aof = \underline{1298} \text{ MCF/D}$$

Note: Light fog of water and drip throughout the test.

TESTED BY Rhames

WITNESSED BY _____



William D. Welch
William D. Welch
Well Test Engineer