

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 13, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #276	
Location 1655/N, 1515/W, Sec. 27, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2623'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2534	To 2590	Total Depth: PBDT 2623' 2612'	Shut In 10-10-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 487	PSIG + 12 = PSIA 499	Days Shut-In 34	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 78	PSIG + 12 = PSIA 90		Working Pressure: P _w Calculated	PSIG + 12 = PSIA 110
Temperature: T = 59 °F	n = 1.0010		F _{pv} (From Tables) 1.011	Gravity .700 F _g = 0.9258

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

$$Q = 12.365(90)(1.0010)(0.9258)(1.011) = \underline{1043} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{249001}{236901} \right)^n = 1043(1.0511)^{.85} = 1043(1.0433)$$

$$Aof = \underline{1088} \text{ MCF/D}$$

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

TESTED BY Don Norison

WITNESSED BY _____

H. E. McAnally
Well Test Engineer