

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE August 8, 1975

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #273	
Location 810'S, 1565'E, Sec 33, T 25 N, R 6 W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2494'	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 2406	To 2470	Total Depth: PBT 2494' 2484	Shut In 7-31-75
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 521	+ 12 = PSIA 533	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA ---	
Flowing Pressure: P PSIG 59	+ 12 = PSIA 71		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 86	
Temperature: T = 69 °F	F <sub>t</sub> = .9822	n = .85	F <sub>pv</sub> (From Tables) 1.010	Gravity .700	F <sub>g</sub> = .9258

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

$$Q = (12.365)(71)(.9822)(.9258)(1.010) = \underline{\quad 806 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{284089}{276693} \right)^n = 806(1.027)^{.85} = 806 (1.023)$$

$$Aof = \underline{\quad 824 \quad} \text{ MCF/D}$$

Note: The well blew a light fog of water throughout the test. During the test 171.91 MCF of gas was vented to the air.

TESTED BY Johnson

WITNESSED BY \_\_\_\_\_

Charles W. Davis  
Well Test Engineer