

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 9, 1974

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #243	
Location 1720/N, 1140/E, Sec. 14, T25N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2447'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2358'	To 2402'	Total Depth: PBT 2447' 2437'	Shut In 9-30-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 637	PSIG	+ 12 = PSIA 649	Days Shut-In 9	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA --
Flowing Pressure: P 26	PSIG	+ 12 = PSIA 38		Working Pressure: P _w Calculated	PSIG + 12 = PSIA 46
Temperature: T = 60 °F		n = .85		F _{pv} (From Tables) 1.003	Gravity .635 F _g = .9721

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

$$Q = 12.365(38)(1.000)(.9721)(1.003) = \underline{458} \text{ MCF/D}$$

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


$$Aof = Q \left(\frac{421201}{49085} \right)^n = 458(1.005)^{.85} = 458(1.004)$$

$$Aof = \underline{460} \text{ MCF/D}$$

Note: Well blew dry gas throughout test.

TESTED BY Carl Rhames

WITNESSED BY _____



C.R. Rhames
Well Test Engineer