

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 24, 1969

Operator El Paso Natural Gas		Lease Dryden No. 5	
Location 1840'S; 800'E; S 28; T-28N; R-8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool S. Blanco	
Casing: Diameter 2.875	Set At: Feet 2342	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 2224	To 2248	Total Depth: 2360	Shut In 4-17-69
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing ---

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 1028	+ 12 = PSIA 1040	Days Shut-In 7	Shut-In Pressure, Tubing PSIG ----	+ 12 = PSIA ----	
Flowing Pressure: P 80 PSIG	+ 12 = PSIA 92	Working Pressure: P _w Calculated	PSIG	+ 12 = PSIA 111	
Temperature: T = 59 °F	n = 0.85	F _{pv} (From Tables) 1.009	Gravity .650	F _g = .9608	

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

$$Q = (12.365)(92)(1.0010)(.9608)(1.009) = \underline{1104} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,081,600}{1,069,279} \right)^n = 1104(1.0115)^{.85} = 1104 (1.0098)$$

Note: Blew med. fog of water entire test.

$$Aof = \underline{1115} \text{ MCF/D}$$

TESTED BY J. B. G.
 Calculated
 WITNESSED BY R. E. S.



H. L. Kendrick
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