

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 14, 1967

Operator El Paso Natural Gas Company		Lease Atlantic C No. 8	
Location 1050'N, 1050'E, Sec. 31, T-31-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.375	Set At: Feet 2883	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2718	To 2750	Total Depth: 2883	Shut In 9-7-67
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 899	PSIG	+ 12 = PSIA 911	Days Shut-In 7	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 180	PSIG	+ 12 = PSIA 192		Working Pressure: P _w Calc.	PSIG + 12 = PSIA 238
Temperature: T = 63 °F	Ft = .9971	n = .85		F _{pv} (From Tables) 1.020	Gravity .670 F _g = .9463

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

$$Q = (12.365)(192)(.9971)(.9463)(1.020) = \underline{2285} \text{ MCF/D}$$

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

$$Aof = \left(\frac{829921}{773277} \right)^n = (2285)(1.0732)^{.85} = (2285)(1.0619)$$

NOTE: Well blew a light spray of water and dist. throughout the test.

$$Aof = \underline{2426} \text{ MCF/D}$$

TESTED BY Dan Robertschecked BY H. E. McAnallyCALCULATED BY A. J. Loleit

H. L. Kendrick
H. L. Kendrick