

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 16, 1965

Operator El Paso Natural Gas Company		Lease Martin No. 1 (OWWO)	
Location 990'N, 990'W, Sec. 31, T-28-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Fulcher-Kutz	
Casing: Diameter 2.875	Set At: Feet 1854	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 1782	To 1810	Total Depth: 1855	Shut In 9-9-65
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, PSIG 323	+ 12 = PSIA 335	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 22	+ 12 = PSIA 34	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA	39	
Temperature: T = 68 °F	n = .85	Fpv (From Tables) 1.004	Gravity .650	Fg = .9608	

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = (12.365) (34) (.9924) (.9608) (1.004) = \underline{402} \text{ MCF/D}$$

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

$$Aof = \left(\frac{112,225}{110,704} \right)^n = (402) (1.0137)^{.85} = (402) (1.0116)$$

$$Aof = \underline{407} \text{ MCF/D}$$

NOTE: Well produced a heavy spray of water with intermittent slugs throughout the test.

TESTED BY Dan RobertsCALCULATED BY: Herman E. McNallyWITNESSED BY: CHECKED BY: W. D. Dawson

Lewis D. Galloway
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