

E. PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 30, 1966

Operator E. Paso Natural Gas Company		Lease Bolack E No. 5	
Location 1750'N, 1750'W, Section 33, T-28-N, R-6-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2556	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 2135	To 2170	Total Depth: 2260	Shut In 6-19-66
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 762	+ 12 = PSIA 774	Days Shut-In 1	Shut-in Pressure, Tubing PSIG No Tubing	+ 12 = PSIA -	
Flowing Pressure: P PSIG 62	+ 12 = PSIA 74	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 88		
Temperature: T = 60 °F	Ft = 1.000	n = .85	Fpv (From Tables) 1.009	Gravity .650	Fg = .9608

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

$$Q = (12.365) (74) (1.0000) (.9608) (1.009) = \underline{837} \text{ MCF/D}$$

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

$$Aof = \left(\frac{599076}{591332} \right)^n = (837) (1.0130)^{.25} = (837) (1.0110)$$

NOTE: Blew dry gas entire test.

$$Aof = \underline{897} \text{ MCF/D}$$

TESTED BY Jesse B. GoodwinWITNESSED BY Tom B. Grant

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