

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 3, 1966

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 62	
Location 1030'N, 1040'W, Section 10, T-24-N, R-3-W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 8.375	Set At: Feet 3428	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 3360	To 3394	Total Depth: 3440	Shut In 5-26-66
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 954	+ 12 = PSIA 966	Days Shut-In 8	Shut-In Pressure, Tubing No Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 89	+ 12 = PSIA 101	Working Pressure: P _w Calc PSIG	+ 12 = PSIA	130	
Temperature: T = 57 °F F _t = 1.0029	n = .85	F _{pv} (From Tables) 1.009	Gravity .670	F _g = .9463	

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_{pv}

$$Q = (12.365) (101) (1.0029) (.9463) (1.009) = \underline{1,196} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{933,156}{916,256} \right)^n = (1,196) (1.0184)^{.85} = (1,196) (1.0156)$$

NOTE: Well produced a light spray of distillate and water throughout the test.

$$A_{of} = \underline{1,215} \text{ MCF/D}$$

TESTED BY Dan Roberts

CALCULATED BY Hermon E. McAnally

H. E. McAnally
H. E. McAnally

