

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 3, 1966

Operator El Paso Natural Gas Company		Lease Lindrith Unit No. 60	
Location T-24-N, R-3-W, Section 25, T-24-N, R-3-W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 4.375	Set At: Feet 3121	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3150	To 3162	Total Depth: 3121	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 617	+ 12 = PSIA 829	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 201	+ 12 = PSIA 213	Working Pressure: P _w PSIG Calc	+ 12 = PSIA	271	
Temperature: T = 61 °F F _t = .9990	n = .85	F _{pv} (From Tables) 1.022	Gravity .665	F _g = .9498	

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

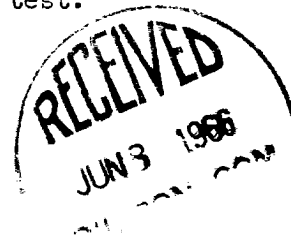
$$Q = (12.365) (213) (.9990) (.9498) (1.022) = \underline{2,554} \text{ MCF/D}$$

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

$$Aof = \left(\frac{687,241}{613,800} \right)^n = (2554) (1.1196)^{.85} = (2554) (1.1055)$$

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

$$Aof = \underline{2823} \text{ MCF/D}$$

TESTED BY Don RobertsCalculated
WITNESSED BY Hermon E. McAnally

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