

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 10, 1966

Operator El Paso Natural Gas Company		Lease Ludwick No. 24	
Location 850'N, 1850'W, Section 6, T-29-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2466	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 2351	To 2409	Total Depth: 2470	Shut In 8-03-66
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, 560	PSIG	+ 12 = PSIA 572	Days Shut-In 7	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA -
Flowing Pressure: P 37	PSIG	+ 12 = PSIA 49		Working Pressure: P _w Calc.	PSIG + 12 = PSIA 59
Temperature: T = 77 °F	F _t = .9840	n = .85		F _{pv} (From Tables) 1.003	Gravity .640 F _g = .9682

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

$$Q = (12.365) (49) (.9840) (.9682) (1.003) = \underline{579} \text{ MCF/D}$$

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

$$Aof = \left(\frac{327,184}{323,703} \right)^n = (1.0107)^{.85} (579) = (1.0091) (579)$$

NOTE: Well blew slight fog of water throughout Test.

$$Aof = \underline{584} \text{ MCF/D}$$

TESTED BY Don NortonWITNESSED BY Hermon E. McAnally

Tom B. Grant, Jr.