

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **May 26, 1961**

Operator El Paso Natural Gas Company	Lease San Juan 28-5 No. 52
Location 1650'N, 1550'E, Sec. 33-28N-5W	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing 2-7/8" O.D. Set At Feet 5806	Tubing No Tubing Set At Feet ----
Pay Zone 5224	Total Depth 5814 c/o 5800 Shut-in 5-9-61
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing

Choke Size .750	Choke Constant C 12.365	Tubingless Completion
Shut-in Pressure 1083	PSIG 1095 Days Shut-In 17	Shut-in Pressure No Tubing PSIG 12 PSIA
Flowing Pressure 178	PSIG 190	Working Pressure Calculated PSIG 265
Temperature 81	Fr .9804 .75	Eqv. Fract. Thickness 1.018 Gravity .680 Fg .9393

$$\text{CHOKE VOLUME } Q = C \times P_1 \times P_2 \times F_g \times F_{v1}$$

$$Q = (12.365)(190)(.9804)(.9393)(1.018)$$

2202

MCF/D

$$\text{OPEN FLOW } A_{of} Q = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_a^2} \right)^n$$

$$A_{of} = \left(\frac{1,199,025}{1,128,800} \right)^n \quad (2202)(1.0622)^{.75} = (2202)(1.0463)$$

Aof 2304

MCF/D

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