

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 31, 1958

Operator El Paso Natural Gas		Lease San Juan 32-9 Unit 58	
Location 990N, 990E, 16-32-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At Feet 3898	Tubing Diameter 2	Set At Feet 6204
Pay Zone: Feet 5812	6232	Total Depth 6254	Shut-In 5/25/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4	Choke Orifice, I.D. 12.365	5-1/2 liner 3822 - 6254
Shut-in Pressure, Casing 980	PSIG 12 PSIA 992	Shut-in Pressure, Tubing 988
Flowing Pressure, P 216	PSIG 12 PSIA 228	Working Pressure, Pw 563
Temperature, T 72	.75	Flow From Tables 1.017
		Gravim. .600

CHOKE VOLUME = Q C x P₁ x P₂ x P₃ x P₄

$$Q = 12.365 \times 228 \times .9887 \times 1.0000 \times 1.017$$

2835 MCF D

$$OPEN FLOW = A \left(\frac{P_1}{P_2 + P_3} \right)^n$$

$$A = \left(\frac{1,000,000}{669,375} \right)^n$$

$$1.4939^{.75} (2835) = 1.3510 (2835)$$

$$A = 3,830$$

FORWARDED BY M. W. RischardWITNESSED BY Clarence Wagner

Lewis D. Galloway
L. D. Galloway

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