

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 13, 1958

Operator El Paso Natural Gas		Lease Manning No. 1-A	
Location 1550'S, 990'W, Sec. 20-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At Feet 3358	Tubing Diameter 2"	Set At Feet 5582
Flow Line Feet 5276	5580	Total Depth 5615	
Storage Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Well Size, Inches 0.75	Flow Constant, L 12.365	5-1/2" liner. 3328 - 5610
Shut-In Pressure, Casing, PSIG 1099	PSIG 12 PSIA 1111	Days Shut-In 25
Flowing Pressure, PSIG 393	PSIG 12 PSIA 405	Shut-In Pressure, Tubing, PSIG 1101
Temperature, F 70	75	Working Pressure, PSIG 920
		Flow Through Casing 1.033
		Gravity 0.621

GAZE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$C = 12.365 \times 405 \times .9905 \times .9837 \times 1.033$$

5040

MCF D

$$Q = \left(\frac{P_1^2 - P_2^2}{P_1 P_2} \right)^n$$

$$Q = \left(\frac{1,238,769 - 370,145}{1,238,769 \times 370,145} \right)^n$$

$$3.3467^{.75} \times 5040 = 2.4730 \times 5040$$

Act 12,464

MCF D

Jess Goodwin



L. D. Galloway
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