

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 24, 1962

Operator El Paso Natural Gas Company	Lease Lloyd No. 3-B
Location 1800'N, 897'W, Sec. 1, T-29-N, R-11-W	County San Juan State New Mexico
Formation Pictured Cliff	Pool Artec
Casing Diameter 2.875 Set At Feet 2246	Tubing Diameter No Tubing Set At Feet ---
Flow Zone From 2120 To 2158	Total Depth 2246 Shut In 8-13-62
Stimulation Method Sand Water Frac.	Flow Through Casing Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant, C 12.365	Tubingless Completion
Shut-In Pressure, Casing, PSIG 511	12 PSIA Days Shut-In 11	Shut-In Pressure, Tubing, PSIG ---
Flowing Pressure, P, PSIG 209	12 PSIA 221	No Tubing
Temperature 66	.9943	Working Pressure, Pw, PSIG 264
	.850	Calc. 1.020
		Gravity .9608
		Fp (From Tables) .650

$$\text{CHOKE VOLUME } Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$$

$$Q = (12.365)(221)(.9943)(.9608)(1.020)$$

$$2663$$

$$\text{MCF D}$$

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

$$Aof = \left(\frac{273,529}{203,833} \right)^n (1.3419)^{.85} (2663) = (1.2840)(2663)$$

$$Aof = 3419$$

$$\text{MCF D}$$

T. B. Grant

A. T. V. (S) (S) (S)

Checked by H. E. McAnally

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