

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 21, 1963

Operator El Paso Natural Gas Company	Lease Canyon Largo No. 115
Location 1090'N, 1650'E, Sec. 8, T-24-N, R-6-W	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool South Blanco
Casing Diameter 2.875 Set At Feet 2410	Tubing Diameter No Tubing Set At Feet ----
Pay Zone From 2327 To 2343	Total Depth 2420 Shut In 11-14-63
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing ----

Choke Size, Inches 0.750	Choke Constant, L 12.365	TUBINGLESS COMPLETION
Shut-In Pressure, Casing, PSIG 658	PSIA 670 Days Shut-In 7	Shut-In Pressure, Tubing, PSIG No Tubing
Flowing Pressure, P, PSIG 132	PSIA 144	Working Pressure, Pw, PSIG Calc.
Temperature 59	1.0010	Gravity 174
	.85	.650 .9608
		1.013

$$\text{CHOKE VOLUME } Q = C \times P_1 \times F_1 \times F_2 \times F_3$$

$$Q = 12.365 \times 144 \times 1.0010 \times .9608 \times 1.013$$

1735

MCF/D

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

$$AOF = \left(\frac{448,900}{418,624} \right)^n$$

$$(1.0723)^{.85} (1735) = (1.0611) (1735)$$

AOF 1841

MCF/D



NOTE: Light spray throughout test.

By D. E. Mortensen

Calculated by H. E. McNally

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