

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 26, 1961

Operator El Paso Natural Gas Company	Lease San Juan 27-5 No. 58
Location 990'S, 1600'W, Sec. 20-27N-5W	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool South Blanco PC
Casing Size 2-7/8" O.D. Set At Feet 3460	Tubing Size No Tubing Set At Feet ----
Perforations 3352 To 3414	Total Depth 3460 c/o 3454 Shot In 5-12-61
Completion Sand/Water Frac.	Flow Through Casing X Flow Through Tubing ----

Choke Size 0.750	Flow Rate 12.365	Completion Tubingless Completion
Shut-in Pressure 1018	Days Shut-in 14	Shut-in Pressure 12 PSIA
Flowing Pressure 97	Flow Rate 109	No Tubing ----
Temperature 55	Flow Rate 1.0048	Working Pressure 12 PSIA
	Flow Rate .85	Calculated 140
	Flow Rate 1.009	Flow Through Casing 0.669
		Flow Through Tubing .9498

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times F_g \times F_v$

$$Q = (12.365)(109)(1.0048)(.9498)(1.009)$$

1298

MCF/D

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

$$Q = \left(\frac{1,060,900}{1,041,300} \right)^n$$

$$(1.0188)^{.88}(1298) = (1.0160)(1298)$$

Asf 1319

MCF/D

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