

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE November 8, 1961

Operator El Paso Natural Gas Company	Lease Rincon No. 162
Location 1650'S, 1850'W, Sec. 27-27-6	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool So. Blanco
Well Diameter 2-7/8" Set At: Feet 3285	Tubing Diameter No Tubing Set At: Feet ---
Flow Zone Depth 3168 To 3212	Total Depth 3291 c/o 3258 Shut In 10-27-61
Completion Method Sand/Water Frac.	Flow Through Tubing X

Flow Constant C .750	Flow Constant C 12.365	TUBINGLESS COMPLETION	
Shut-in Pressure, PSIG 1025	PSIG - 12 - PSIA 1037	Shut-in Pressure, Tubing No Tubing	PSIG - 12 - PSIA ---
Working Pressure, PSIG 77	PSIG - 12 - PSIA 89	Working Pressure, Flow Calc.	PSIG - 12 - PSIA 113
Temperature 56	1.0039 .85	Flow Through Tubing 1.009	Gravity Est. .685
			.9359

$$Q = 1.12 \times 10^{-4} \times R \times F \times F \times F$$

$$Q = (12.365)(89)(1.0039)(.9359)(1.009)$$

$$1043 \text{ MCF/D}$$

$$Q = 1.12 \times 10^{-4} \times \left(\frac{P_i^2 - P_w^2}{P_i} \right)^n$$

$$\left(\frac{1,075,369}{1,062,600} \right)^n$$

$$(1.0120)^{.85}(1043) = (1.0102)(1043)$$

$$1054 \text{ MCF/D}$$

NOTE: Blew medium mist throughout test.

A. B. Mortensen

Checked by: A. B. Grant

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