

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 5, 1961

Operator El Paso Natural Gas Co.	Lease Lindrith No. 40
Location 1100'S, 840'W, Sec. 10-24N-3W	County Rio Arriba
Field Pictured Cliffs	State New Mexico
Casing 2-7/8" O.D.	Post South Blanco
Set At Feet 3183	Tubing Diameter No Tubing
Day 3124	Total Depth 3181 c/o 3176
Set At Feet 3154	Shut-In 7-22-61
Stimulus Sand/Water Frac.	Flow Through Casing X
	Flow Through Tubing

Choke Size (Inches) 0.750	Choke Constant (C) 12.365	Tubingless Completion
Shut-In Pressure, PSIG 955	PSIG 12 PSIA 967	Shut-In Pressure, Tubing No Tubing
Flow Rate (GPM) 204	PSIG 12 PSIA 216	Working Pressure, PSIG Calc. 275
Friction Factor 64	Friction Factor .9962	Friction Factor .650
	.85	.9608
	1.021	

$$Q = C \times P_s \times F_s \times F_g \times F_v$$

$$Q = (12.365)(216)(.9962)(.9608)(1.021)$$

2610

MCF/D

$$Q = \left(\frac{P_s^2 - P_w^2}{P_c^2 - P_w^2} \right)^n$$

$$Q = \left(\frac{935,089}{859,464} \right)^n$$

$$(1.0879)^{.85}(2610) = (1.0742)(2610)$$

Act 2804

MCF/D

Dannie Roberts

Calculated by: W. D. Dawson

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L. D. Galloway

