

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 25, 1958

Operator El Paso Natural Gas Co.		Lease Rincon No. 124	
Location 1800N, 815E; 34-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8"	Set At: Feet 3210'	Tubing: Diameter 2"	Set At: Feet 5447'
Perf. Zone: From 5290'	To 5446'	Total Depth: 5508' c/o to 5460'	
Stimulation Method Sand water frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75	Choke Constant: C 12.365	5-1/2" liner 3182' to 5504'	
Shut-in Pressure: Casing, PSIG 1045	PSIG - 12 - PSIA 1057	Days Shut-In 9	Shut-in Pressure: Tubing, PSIG 1025
Flowing Pressure: P, PSIG 195	PSIG - 12 - PSIA 207		Working Pressure: Pw, PSIG 520
Temperature, F 56	F .75		Flow (From Tables) 1.025
			Gravity .718

CHOKER VOLUME = $Q = C \times P_r \times F_c \times F_g \times F_{av}$

$C = 12.365 \times 207 \times 1.0039 \times .9161 \times 1.025 = 2413$ MCF/D

OPEN FLOW $Q_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

$Q_{of} = \left(\frac{1117249}{834225} \right)^n = 1.3392 \times .75 \times 2413 = 1.2449 \times 2413 =$

$Q_{of} = 3,004$ MCF/D

TESTED BY Frank M. Clark

WITNESSED BY _____



L. D. Galloway
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