

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA**ILLEGIBLE**DATE July 21, 1960

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit No. 55-1	
Location 1040N, 990E; 1-27N-5W		County Rio Arriba	State New Mexico
Formation Mesaverde		Pool Blanco	
Casing Diameter 7-5/8"	Set At Feet 4413	Tubing Diameter 2"	Set At Feet 6480
Pay Zone: From 5954	To 6480	Total Depth 6558 c/o 6510	Shut-In 6/21/60
Stimulation Method Sand Water Frac.		Flow Through Tubing x	

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2" liner from 4371 to 6558	
Shut-In Pressure, Casing, PSIG 1076	12 - PSIA 1088	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 990
Flowing Pressure, P _w , PSIG 82	12 - PSIA 94	Working Pressure, P _w , PSIG 336	12 - PSIA 348
Temperature, T, F 59	F _g .75	F _{pv} (From Tables) 1.009	Gravity .693 F _g = .9325

CHOKE VOLUME $Q = C \times P \times F \times F_g \times F_{pv}$

$$C \quad 12.365 \times 94 \times 1.0010 \times .9325 \times 1.009$$

1095 MCF/D

OPEN FLOW $Q = Q$

$$\left(\frac{P_w^2 - P_{wf}^2}{P_w^2 - P_{wf}^2} \right)^n$$

$$\left(\frac{1183744}{1062640} \right)^n$$

$$1.1139^{.75} \times 1095 = 1.0842 \times 1095$$

1187 MCF/D



After 5 min. unloaded large slug of oil -
produced oil and water mist during whole
test.

D. Mortensen

WITNESSED BY

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway