

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 16, 1961

Operator El Paso Natural Gas Company		Lease San Juan Unit 27-5 No. 64 (PC)	
Location 890'S, 800'W, Sec. 9-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Tapacito	
Casing Diameter 7	Set At Feet 3745	Tubing Diameter 1-1/4	Set At Feet 3619
Ray Zone Feet 3562	IS 3592	Total Depth 5937 C/O 5913	Shut In 11-8-61
Stimulation Method Sand/Water Frac.		Flow Through Tubing X	

Choke Size, Inches .750	Choke Constant, C 12.365	Baker "R" Pkr. at 3817
Shut-in Pressure, PSIG 1025 (PC)	PSIG - 12 - PSIA 1037	Shut-in Pressure, Tubing 957 (PC)
Flowing Pressure, PSIG 219	PSIG - 12 - PSIA 231	Working Pressure, Pw 244
Temperature, F 62	F _g .9981	F _g .9608
	.85	1.022

Initial SIPT (MV) = 1085 psig

Final SIPT (MV) = 1088 psig

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$

$$Q = (12.365)(231)(.9981)(.9608)(1.022)$$

2799

MCF/D

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

$$A_{of} = \left(\frac{1,075,369}{1,009,833} \right)^n$$

$$(1.0648)^{.85}(2799) = (1.0548)(2799)$$

A_{of} 2952

MCF/D

Prepared by R. F. Headrick

Witnessed by

Checked by: W. D. Dawson



Lewis D. Galloway
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