

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 5, 1958

Operator El Paso Natural Gas Co.		Lease San Juan 27-5 Unit 29 (P)	
Location 990S, 990W, 13-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 3614	Tubing: Diameter 1-1/4	Set At: Feet 3504
Flow Line From 3456	3510	Total Depth 5808 c/o 5764	Shut-in 5/9/58
Completion Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant C 12.365	5-1/2" liner 3577 - 5808
Shut-in Pressure, Casing, PSIG 1012 (PC)	PSIA 1024	Days Shut-In 27 (PC)
Flowing Pressure, P, PSIG 131	PSIA 143	Shut-in Pressure, Tubing, PSIG 1013 (PC)
Temperature, T 66	.85	PSIA 1025
		Working Pressure, Pw, PSIG 137
		PSIA 149
		Flow From Tables 1.014
		Gravity .670

Initial SIPT (MV) 1091 PSIG 2" at 5661
Final SIPT (MV) 1092 PSIG Packer at 3638

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$C = 12.365 \times 143 \times .9943 \times .9463 \times 1.014 = 1687$ MCF/D

OPEN FLOW $A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2} \right)^n$

$A_{of} = \left(\frac{1050625}{1028424} \right)^n 1.0215^{.85} \times 1687 = 1.0182 \times 1687 =$

$A_{of} = 1718$ MCF/D



Frank M. Clark

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Checked By: S. V. Roberts

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