

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 2, 1959

Operator El Paso Natural Gas Company		Lease San Juan 27-5 No. 42 (M)	
Location 990S, 990W; 22-27-5		Country Rio Arriba	State New Mexico
Form Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At: Feet 3482	Tubing Diameter 2"	Set At: Feet 5470
Flow Zone 5426	To 5546	Total Depth 5625 c/o 5578	Shut In: 6/19/59
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, inches .75	Choke Constant 12.365	5-1/2 liner 3413-5622	
Shut-In Pressure, Gas 1031 (PC)	PSIG - 12 - PSIA 1043	Days Shut-In 13	Shut-In Pressure, Tubing 1103 (MV)
Flowing Pressure, Gas 185	PSIG - 12 - PSIA 197		PSIG - 12 - PSIA 1115
Temperature, Gas 63	.75		Working Pressure Calc.
			PSIG - 12 - PSIA 390
		Flow From Tubing 1.020	Gravity .674

Initial SIPT (PC) = 1031 psig

Packer at 5197

Final SIPC (PC) = 1036 psig

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

$$Q = 12.365 \times 197 \times .9971 \times .9463 \times 1.020$$

2344

MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1}{P_2} \right)^n$

$$Aof = \left(\frac{1243225}{1091125} \right)^n$$

$$1.1393^{.75} \times 2344 = 1.1029 \times 2344$$

$$Aof = 2585 \text{ MCF/D}$$



TESTED BY **M. W. Rischard**

WITNESSED BY **Fred Cook, N.M.O.C.C.**

Lewis D. Galloway
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