

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **September 17, 1959**

Operator El Paso Natural Gas Company		Lease Federal No. 19-1-H	
Location 9908, 1090W; 19-25-1		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Gavilan	
Casing Diameter 5-1/2	Set At: Feet 3634	Tubing Diameter 1-1/4	Set At: Feet 3597
Perforation From 3550	To 3604	Total Depth c/o 3620	Shut In: 8/16/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75	Choke Constant, C 12.365	Shut-in Pressure, Casing 933	PSIG - 12 - PSIA 945	Days Shut-in 32	Shut-in Pressure, Tubing 933	PSIG - 12 - PSIA 945
Flowing Pressure, P 59	PSIG - 12 - PSIA 71	Working Pressure, C 294	PSIG - 12 - PSIA 306	Eps (From Tables) 1.009	Gravity .695	
Temperature, T 53	.85					

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$C = 12.365 \times 71 \times 1.0068 \times .9292 \times 1.009$$

829

MCF/D

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

$$A_{of} = \left(\frac{893025}{799389} \right)^n$$

$$1.1171^{.85} \times 829 = 1.0986 \times 829$$

$$A_{of} = 911 \text{ MCF/D}$$

Don Mortensen

WITNESSED BY

Checked By H. L. Kendrick

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