

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 14, 1957

Operator El Paso Natural Gas Company		Lease Thurston # 1	
Location 1750'N, 990'E, Sec. 31-31-11		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7	Set At: Feet 4195	Tubing: Diameter 2"	Set At: Feet 4730
Pay Zone: From 4448	To 4731	Total Depth: 4800	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches	Choke Constant: C		775' 5 1/2" liner set at 4017	
.750	14.1605			
Shut-In Pressure, Casing	PSIG - 12 - PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG - 12 - PSIA
1069	1081	9	1076	1088
Flowing Pressure P	PSIG - 12 - PSIA		Working Pressure: Pw	PSIG - 12 - PSIA
337	349		727	739
Temperature T	F In		Fpv (From Tables)	Gravity
76	.75		1.036	.690

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

14.1605 x 349 x .9850 x .9325 x 1.036 4703 MCF/D

OPEN FLOW Aof Q $\left(\begin{matrix} P_c^2 \\ P_c^2 & P_c^2 \\ P_c^2 & P_c^2 & P_c^2 \end{matrix} \right)^n$

$$1.59 \times 4703 = (1.590) \times 4703$$

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L. D. Galloway



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