

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE February 12, 1958

Operator El Paso Natural Gas Company		Lease Aztec No. 1-A	
Location 990'S, 890'W, Sec. 22-31-11		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At: Feet 4564	Tubing Diameter 2"	Set At: Feet 4848
Pay Zone: From 4810	To 4842	Total Depth 4908 - c/o 4806	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .75		Choke Constant: C 12.365		5-1/2" liner. 4526 to 4904	
Shut-In Pressure, Casing, PSIG 964	- 12 - PSIA 976	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 969	- 12 - PSIA 981	
Flowing Pressure, P, PSIG 352	- 12 - PSIA 364		Working Pressure, P _w , PSIG 802	- 12 - PSIA 814	
Temperature, T 69	F .75		F _{pv} (From Tables) 1.040	Gravity .680	

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$ C **12.365** x **228** x **.9915** x **.9393** x **1.040** = **2731** MCF/D

$$\text{OPEN FLOW } Q = \left(\frac{P_c^2}{P_i^2 - P_a^2} \right)^n$$

$$Q = \left(\frac{962,361}{299,765} \right)^n \quad 3.2103^{.75} \times 2731 = 2.5990 \times 2731$$

Q = **6552** MCF/DTESTED BY: **Frank M. Clark**

WITNESSED BY: _____



By: _____

L. D. Galloway
L. D. Galloway

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