

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 21, 1956

Operator El Paso Natural Gas Company		Lease Bonds Pool Unit # 1	
Location 1050'S, 990'W, Sec. 15-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5½	Set At: Feet 5310	Tubing Diameter 2	Set At: Feet 5200
Perforation From 4906	To 5140	Total Depth 5320 - c/o - 5200	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 1051	12 - PSIA 1063	Days Since 10	Shut-In Pressure, Tubing, PSIG 1025
Flowing Pressure, Casing, PSIG 349	12 - PSIA 361		Working Pressure, Pw, PSIG 831
Temperature, °F 91	Grav. Sp. @ 60°F .75		Flow (From Tables) 1.021
			Gravity .585

CHOKE VOLUME = $Q = C \times P_c \times F_c \times F_g \times F_{av}$

$$Q = 14.1605 \times 361 \times .9715 \times 1.012 \times 1.021 = 5131 \text{ MCF/D}$$

$$Q_{af} = Q \left(\frac{P_c}{P_c - P_w} \right)^n$$

$$Q_{af} = \left(\frac{1,129,969}{419,320} \right)^n \times (2.6947) \cdot 75 \times 5131 = 2.103 \times 5131$$

$$Q_{af} = 10,790 \text{ MCF/D}$$



TESTED BY **K. C. McBride**
WITNESSED BY **E. D. Leuppe, Pacific Northwest**

L. D. Galloway
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