

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 24, 1958

Operator El Paso Natural Gas Company		Lease Gartner No. 8	
Location 990'N, 990'E, Sec. 26-30-8		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 5-1/2	Set At: Feet 5234	Tubing: Diameter 2"	Set At: Feet 5185
Pay Zone: From 4682	To 5230	Total Depth: c/o 5322 TD - 5336	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 963	12 = PSIA 975	Days Shut-In 22	Shut-In Pressure, Tubing PSIG 963	12 = PSIA 975	
Flowing Pressure: P PSIG 375	12 = PSIA 387		Working Pressure: P _w PSIG 833	12 = PSIA 845	
Temperature: T F 51	F _{in} 75		F _{pv} (From Tables) 1.040	Gravity 0.645	

CHOKE VOLUME : $Q = C \times P_r \times F_v \times F_g \times F_{pv}$

$$Q = 12.365 \times 387 \times 1.0088 \times .9645 \times 1.040 = 4842 \text{ MCF/D}$$

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{950,625}{236,600} \right)^n 4.0178^{.75} \times 4842 = 2.8379 \times 4842$$

$$A_{of} = 13,741 \text{ MCF/D}$$

TESTED BY Richard Proctor

WITNESSED BY _____

L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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