

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE March 16, 1959

Operator El Paso Natural Gas		Lease Canyon Largo No. 67	
Location 1150N, 1600W; 1-25-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 2946	Tubing: Diameter 1-1/4	Set At: Feet 2882
Pay Zone: From 2836	To 2876	Total Depth: 2946	Shut in 3/7/59
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, PSIG 850	12 = PSIA 862	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 850	12 = PSIA 862	
Flowing Pressure: P PSIG 137	12 = PSIA 149		Working Pressure: P _w PSIG 145	12 = PSIA 157	
Temperature: T °F 59	.85		F _{pv} (From Tables) 1.015	Gravity .680	

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

$$Q = 12.365 \times 149 \times 1.001 \times .9393 \times 1.015 = 1758 \text{ MCF/D}$$

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

$$Aof = \left(\frac{743,044}{718,395} \right)^n \quad 1.0343^{.85} \times 1758 = 1.0291 \times 1758$$

$$Aof = 1809 \text{ MCF/D}$$

TESTED BY R. R. DavisWITNESSED BY W. B. Smith

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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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