

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 8, 1969

Operator El Paso Natural Gas Company		Lease Klein No. 10	
Location 1700'N, 1750'E, 834-T26N-R6W		County Rio Arriba	State New Mexico
Formation Chisora		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3853	Tubing: Diameter No tubing	Set At: Feet -----
Pay Zone: From 3724	To 3832	Total Depth: 3853	Shut In 7-22-69
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 84	+ 12 = PSIA 954	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG No tubing	+ 12 = PSIA -----	
Flowing Pressure: P, PSIG 72	+ 12 = PSIA 84	Working Pressure: P _w , PSIG Calculated	+ 12 = PSIA 110		
Temperature: T = 99°F	n = 0.75	F _{pv} (From Tables) 1.009	Gravity .640	F _g = .9603	

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365 \times 84 \times 1.0010 \times 1.009 \times .9603 = 1008 \text{ MCF/D}$$

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

$$Aof = \left(\frac{910116}{898019} \right)^n = (1.0134)^{.75} 1008 = 1.0099 (1.008)$$

Note: Well blew light fog throughout test.

$$Aof = 1018 \text{ MCF/D}$$

TESTED BY BJB
 Calculated
 WITNESSED BY RES



H. L. Kendrick
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