

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 26, 1957

Operator El Paso Natural Gas Company		Lease Rincon # 92	
Location 1650'N, 1835'E, Sec. 11-26-7		County Rio Arriba	State New Mexico
Fracture Pictured Cliff		Pool South Blanco	
Casing Diameter 5½	Set At Feet 2845	Tubing Diameter 1¾	Set At Feet 2766
Flow From 2758	To 2809	Total Depth 2855 - c/o - 2820	
Fracturing Method Sand Water Frac		Flow Through Casing X	
		Flow Through Tubing	

Choke Size, inches 0.750	Choke Constant C 14.1605		
Shut-In Pressure, Casing 837	PSIG - 12 - PSIA 849	Days Shut-In 20	Shut-In Pressure, Tubing 837
Working Pressure, P 433	PSIG - 12 - PSIA 445		Working Pressure, P _w 447
Temperature, T 65	F - 100 0.850		Flow From Tables 1.044
			Gravity 0.655

$$\text{CHOKE VOLUME} = Q \cdot C \cdot P_i \cdot F_1 \cdot F_g \cdot F_{pv}$$

$$Q = 14.1605 \times 445 \times .9952 \times .9571 \times 1.044$$

6266

MCF/D

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

$$A_{of} = \left(\frac{720,801}{510,120} \right)^n$$

$$1.4130^{.85} \times 6266 = 1.3420 \times 6266$$

A_{of} 8409

MCF/D

K. C. McBride



L. D. Galloway

OIL CONSERVATION COMMISSION

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