

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 17, 1956

Operator El Paso Natural Gas Company		Lease Huerfano Unit # 65	
Location 1975'N, 1185'W, Sec. 5-26-10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool West Kutz	
Casing: Diameter 5½	Set At: Feet 2312	Tubing: Diameter 1¼	Set At: Feet 2185
Pay Zone: From 2198	To 2238	Total Depth c/o - 2260	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 389	12 - PSIA 401	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 390
Flowing Pressure, PSIG 157	12 - PSIA 169	Working Pressure, Pw, PSIG 188	12 - PSIA 200
Temperature, °F 64	RF .85	Fpv (From Tables) 1.015	Gravity .650 (est)

$$\text{CHOKE VOLUME} - Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = 14.1605 \times 169 \times .9962 \times .9608 \times 1.015 = 2,325 \text{ MCF/D}$$

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

$$Aof = \left(\frac{161,604}{121,604} \right)^n (1.3289)^{.85} \times 2325 = 1.2735 \times 2325$$

$$Aof = 2961 \text{ MCF/D}$$

TESTED BY K. C. McBride

WITNESSED BY _____



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