

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 17, 1956

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit # 54	
Location 800'S, 1840'W, Sec. 22-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 5½	Set At: Feet 5940	Tubing: Diameter 2	Set At: Feet 5841
Pay Zone: From 5080	To 5740	Total Depth 5945 - c/o - 5850	
Stimulation Method Sand Oil		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 14.1605	
Shut-in Pressure, Casing, PSIG 1088	12 - PSIA 1100	Days Shut-In 19	Shut-in Pressure, Tubing, PSIG 1071
Flowing Pressure: P, PSIG 350	12 - PSIA 362	Working Pressure: Pw, PSIG 817	12 - PSIA 829
Temperature: T, F 68	F .75	Fpv (From Tables) 1.041	Gravity .690

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

$$Q = 14.1605 \times 362 \times .9924 \times .9325 \times 1.041 = 4938 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,210,000}{522,759} \right)^n \cdot (2.3146) \cdot .75 \times 4938 = 1.877 \times 4938$$

$$Aof = 9269 \text{ MCF/D}$$

TESTED BY **R. A. Ullrich**

WITNESSED BY



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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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