

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 10, 1958

Operator El Paso Natural Gas		Lease Texas Pacific Unit No. 1	
Location 1650'S, 790'E, Sec. 16-29-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec Pictured Cliffs	
Casing: Diameter 5-1/2	Set At: Feet 2252	Tubing: Diameter 1-1/4	Set At: Feet 2200
Pay Zone: From 2170	To 2214	Total Depth: 2236	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 657	- 12 = PSIA 669	Days Shut-In 17	Shut-In Pressure, Tubing PSIG 657	- 12 = PSIA 669	
Flowing Pressure: P PSIG 55	- 12 = PSIA 67		Working Pressure: Pw PSIG 57	- 12 = PSIA 69	
Temperature: T °F 57	n .850		Fpv (From Tables) 1.007	Gravity 0.648	

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

$$Q = 12.365 \times 67 \times 1.0029 \times .9645 \times 1.007 = \underline{\quad 807 \quad} \text{ MCF/D}$$

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

$$Aof = \left(\frac{447,561}{442,800} \right)^n = 1.0107^{.85} \times 807 = 1.0086 \times 807$$

$$Aof = \underline{\quad 814 \quad} \text{ MCF/D}$$

TESTED BY Jess Goodwin

WITNESSED BY _____



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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