

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 14, 1956

Operator El Paso Natural Gas Company		Lease Sheets # 2-A	
Location 1840'N, 1498'W, Sec. 6-25-7		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Wildcat	
Casing: Diameter 5 1/2	Set At: Feet 2925	Tubing: Diameter 1 1/4	Set At: Feet 2856
Pay Zone: From 2862 - 2841	To 2888 - 2864	Total Depth: 2925 - c/o - 2880	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75"		Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 598	+ 12 = PSIA 610	Days Shut-In 21	Shut-In Pressure, Tubing, PSIG 598	+ 12 = PSIA 610	
Flowing Pressure: P, PSIG 270	+ 12 = PSIA 282		Working Pressure: Pw, PSIG 280	+ 12 = PSIA 292	
Temperature: T, °F 67	n = .85		Fpv (From Tables) 1.027	Gravity .655	

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

$$Q = 14.1605 \times 282 \times .9933 \times .9571 \times 1.027 = 3899 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{372,100}{286,836} \right)^n \quad Q (1.297)^{.85} = 3899 (1.2475) = 4864$$

Aof = 4864 MCF/D

TESTED BY H. L. Kendrick

WITNESSED BY Tom Bolack and Albert Greer, Jr.



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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