

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE January 14, 1972

Operator El Paso Natural Gas Company		Lease Florance "D" No. 3 (OWO)	
Location 990' N - 890' W Sec. 17 T 27N R 8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2992	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2924	To 2960	Total Depth: 2992	Shut In 1-6-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 437	+ 12 = PSIA 499	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 119	+ 12 = PSIA 131		Working Pressure: Pw PSIG Calculate	+ 12 = PSIA 164	
Temperature: T = 61°F	Ft = 0.9990	n = .85	Fpv (From Tables) 1.011	Gravity 0.640	Fg = 0.9682

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(131)(0.9990)(0.9682)(1.011) = 1584 \text{ MCF/D}$$

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

Note: The well produced a light fog of water throughout the test.

$$Aof = \left( \frac{237169}{210273} \right)^n = (1584)(1.1279)^{.85} = (1584)(1.1077)$$

$$Aof = 1755 \text{ MCF/D}$$

TESTED BY Jessy B. Goodwin

WITNESSED BY \_\_\_\_\_

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