

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE March 15, 1966

Operator El Paso Natural Gas Company		Lease Feasel "A" No. 2 (OWWO)	
Location 790'N, 990'W, Section 33, T-28-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Fulcher - Kutz	
Casing: Diameter 2.875	Set At: Feet 2184	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2008	To 2073	Total Depth: 2184	Shut In 3-04-66
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 322	+ 12 = PSIA 334	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 66	+ 12 = PSIA 78		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 92
Temperature: T = 69 °F	n = .85		Fpv (From Tables) 1.008	Gravity .651 Fg = .9608

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365) (78) (.9915) (.9608) (1.008) = \underline{926} \text{ MCF/D}$$

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

$$Aof = \left( \frac{111,556}{103,092} \right)^n = (926) (1.0821)^{.85} = (926) (1.0694)$$

NOTE: Well had heavy spray of salt water throughout test.

$$Aof = \underline{990} \text{ MCF/D}$$

TESTED BY Clarence R. Wagner  
 CALCULATED BY: Walter Cassida  
 WITNESSED BY \_\_\_\_\_  
 CHECKED BY: H. E. McAnally

*H. L. Kendrick*  
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