

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 18, 1966

Operator El Paso Natural Gas Company		Lease Michener A No. 9	
Location 1178'N, 975'W, Section 31, T-28-N, R-9-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2489	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 2415	To 2446	Total Depth: 2515	Shut In 7-09-66
Stimulation Method Sand Water Trace		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-in Pressure, Casing, PSIG 612	+ 12 = PSIA 624	Days Shut-in 9	Shut-in Pressure, Tubing PSIG No Tubing	+ 12 = PSIA -	
Flowing Pressure: P PSIG 186	+ 12 = PSIA 198		Working Pressure: Pw Calc. PSIG	+ 12 = PSIA 241	
Temperature: T = 66 °F	Ft = .9943	n = .85	Fpv (From Tables) 1.019	Gravity .670	Fg = .9463

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = (12.365) (198) (.9943) (.9463) (1.019) = \underline{2,347} \text{ MCF/D}$$

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

$$Aof = \left(\frac{382,376}{331,295} \right)^n = (1.1753)^{.85} (2347) = (1.1471) (2347) =$$

NOTE: Blew dry gas entire test.

$$Aof = \underline{2692} \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin
 CALCULATED BY Clarence R. Wagner
 WITNESSED BY Tom B. Grant
 CHECKED BY Tom B. Grant



H. L. Kendrick
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