

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 30, 1969

Operator El Paso Natural Gas		Lease Florance "C" No. 13	
Location 900'N; 1450'W; S-29; T-28N; R-8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool S. Blanco	
Casing: Diameter 2.875	Set At: Feet 2297	Tubing: Diameter No tubing	Set At: Feet --
Pay Zone: From 2170	To 2214	Total Depth: 2300	Shut In 4-19-69
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion		
Shut-In Pressure, Casing, PSIG 844	+ 12 = PSIA 856	Days Shut-In 11	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA		
Flowing Pressure: P PSIG 93	+ 12 = PSIA 105	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA	126		
Temperature: T = 62 °F	Ft = .9981	n = .85	Fpv (From Tables) 1.009	Gravity .650	Fg = .9608	

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

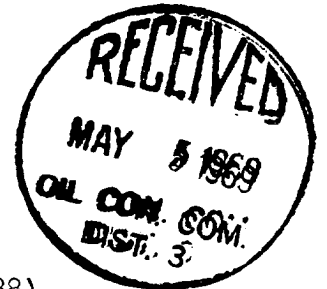
Q = (12.365)(105)(.9981)(.9608)(1.009) = 1256 MCF/D

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

Aof = $\left(\frac{732736}{716860} \right)^n = (1256)(1.0221)^{.85} = (1256)(1.0188)$

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

Aof = 1280 MCF/D



TESTED BY B. J. B.
Calculated
WITNESSED BY H. E. M.

H. L. Kendrick
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