

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 11, 1966

Operator El Paso Natural Gas Company		Lease Blanco No. 16	
Location 990'N, 890'W, Section 36, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2780	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 2632	To 2690	Total Depth: 2793	Shut In 7-01-66
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 1019	+ 12 = PSIA 1031	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA -
Flowing Pressure: P 431	PSIG + 12 = PSIA	443	Working Pressure: Pw Calc.	PSIG + 12 = PSIA 549
Temperature: T = 71 °F	Ft = .9896	n = .85	Fpv (From Tables) 1.037	Gravity .625 Fg = .9798

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

Q = (12.365) (443) (.9896) (.9798) (1.037) = 5,508 MCF/D

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

Aof = $\left(\frac{1,062,961}{761,560} \right)^n = (5,508) (1.3957)^{.85} = (5,508) (1.3277)$



NOTE: Blew dry gas throughout the test.

Aof = 7,313 MCF/D

TESTED BY Hermon E. McAnally

WITNESSED BY Tom B. Grant

H. L. Kendrick