

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 11, 1966

Operator El Paso Natural Gas Company		Lease Blanco No. 17	
Location 2650'N, 1745'E, 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 2807	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 2704	To 2734	Total Depth: 2810	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, 1016	PSIG	+ 12 = PSIA 1028	Days Shut-In 10	Shut-In Pressure, Tubing No Tubing	PSIG	+ 12 = PSIA -
Flowing Pressure: P 289	PSIG	+ 12 = PSIA 301		Working Pressure: P _w Calc.	PSIG	+ 12 = PSIA 374
Temperature: T = 63 °F	F _t = .9924	n = .85		F _{pv} (From Tables) 1.024	Gravity .625	F _g = .9798

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}
Q = (12.365) (301) (.9924) (.9798) (1.024) = 3706 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$
Aof = $\left(\frac{1,056,784}{916,908} \right)^n = (3,706) (1.1525)^{.85} = (3,706) (1.1282)$

NOTE: Blew dry gas throughout the test.

Aof = 4,181 MCF/D

TESTED BY Hermon E. McAnally
WITNESSED BY Tom B. Grant



H. L. Kendrick
H. L. Kendrick