

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 22, 1966

Operator El Paso Natural Gas Company		Lease Hughes No. 16	
Location 1642'N, 1550'E, Section 21, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3173	Tubing: Diameter No Tubing	Set At: Feet -
Pay Zone: From 3101	To 3117	Total Depth: 3180	Shut In 7-15-66
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 988	+ 12 = PSIA 1000	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA -
Flowing Pressure: P PSIG 108	+ 12 = PSIA 120		Working Pressure: P _w PSIG Calc	+ 12 = PSIA 152
Temperature: T = 62 °F Ft = .9981	n = .85		F _{pv} (From Tables) 1.011	Gravity .675 F _g = .9427

CHOKE VOLUME = Q = C x P_f x F_f x F_g x F_{pv}

Q = (12.365) (120) (.9981 (.9427) (1.011) = 1,411 MCF/D

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

Aof = $\left(\frac{1,000,000}{976,896} \right)^n = (1,411) (1.0236)^{.85} = (1,411) (1.0200)$

NOTE: Well produced a light mist of water throughout the Test.

Aof = 1,439 MCF/D

TESTED BY H. E. McAnally
CHECKED BY
WITNESSED BY Tom B. Grant

RECEIVED
JUL 25 1966
OIL CON. COM.
DIST. 3
H. L. Kendrick
H. L. Kendrick