

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 5/8/69

Operator El Paso Natural Gas		Lease McCalley No. 8	
Location 1590'N; 800'W; S-14; T-28N;R-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2323	Tubing: Diameter No tubing	Set At: Feet -----
Pay Zone: From 2214	To 2242	Total Depth: 2335	Shut In 5-1-69
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 664	+ 12 = PSIA 676	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 172	+ 12 = PSIA 184		Working Pressure: P _w PSIG Calc. 221	+ 12 = PSIA
Temperature: T= 62 °F	F _i = .9981	n = .85	F _p v (From Tables) 1.017	Gravity .650 F _g = .9608

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_pv

Q = (12.365)(184)(.9981)(.9608)(1.017) = 2,219 MCF/D

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

Note: The well produced dry gas throughout the test.

Aof = $\left(\frac{456976}{403135} \right)^n = (2219)(1.1196)^{.85} = (2219)(1.1006)$

Aof = 2442 MCF/D



TESTED BY D. N.
Calculated
WITNESSED BY E. E. M.

H. L. Kendrick