

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 7-23-73

Operator El Paso Natural Gas Company		Lease Storey B #7	
Location 1790/S, 1815/W, Sec 5 T-30-N R-11-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2-7/8	Set At: Feet 2368	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2228	To 2252	Total Depth: 2385	Shut In 7-10-73
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion		
Shut-In Pressure, Casing, PSIG 415	+ 12 = PSIA 427	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 96	+ 12 = PSIA 108		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 130	
Temperature: T = 64 °F	F _t = .9962	n = .85	F _p v (From Tables) 1.009	Gravity .675	F _g = .9427

KE VOLUME = Q = C x P_f x F_t x F_g x F_pv

Q = (12.365)(108)(.9962)(.9427)(1.809) = 1265 MCF/D

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

NOTE: The well produced dry gas.

Aof = Q $\left(\frac{182329}{165429} \right)^n = 1265(1.1022)^{.85} = 1265(1.0862)$

Aof = 1375 MCF/D

TESTED BY William D. Welch

CON. COM. DIST. 3



WITNESSED BY _____

William D. Welch

William D. Welch, Well Test Engineer