

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE December 6, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #215	
Location 1710/N, 1640/E, Sec. 9, T24N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2414'	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2306	To 2372	Total Depth: 2425	Shut In 11-20-73
Stimulation Method Sandwater Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 500	+ 12 = PSIA 512	Days Shut-In 16	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 38	+ 12 = PSIA 50		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 60	
Temperature: T = 54 °F	F _t = 1.0058	n = .85	F _{pv} (From Tables) 1.004	Gravity .700	F _g = .9258

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

Q = (12.365) (50) (1.0058) (.9258) (1.004) = 578 MCF/D

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

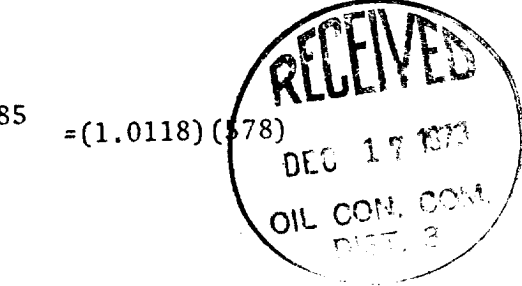
Aof = Q $\left(\frac{262144}{258544} \right)^n = 578(1.0139)^{.85} = (1.0118)(578)$

Aof = 585 MCF/D

Note: Unloaded heavy vapor for 5 minutes and then blew clear gas for remainder of test.

TESTED BY Jesse B. Goodwin

WITNESSED BY _____



William D. Welch
William D. Welch
Well Test Engineer