

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 29, 1966

Operator El Paso Natural Gas Company		Lease Florance No. 5	
Location 1627'N, 1650'E, Sec. 24, 5-30-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3037	Tubing: Diameter No Tubing	Set At: Feet -----
Pay Zone: From 2942	To 2980	Total Depth: 3058	Shut In 7-22-66
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 991	+ 12 = PSIA 1003	Days Shut-In 7	Shut-In Pressure, Tubing No Tubing	PSIG ---	+ 12 = PSIA ---
Flowing Pressure: P, PSIG 114	+ 12 = PSIA 126		Working Pressure: P _w Calc.	PSIG 158	+ 12 = PSIA 158
Temperature: T = 63 °F	n = .85		F _{pv} (From Tables) 1.012	Gravity .660	F _g = .9535

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = (12.365)(126)(.9971)(.9535)(1.012) = 1,499 MCF/D

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

Aof = $\left(\frac{1,006,009}{981,045} \right)^n = (1,499)(1.0254)^{.85} = (1,499)(1.0216)$

Aof = 1531 MCF/D

TESTED BY Don Norton

Calculated
WITNESSED BY Hermon E. McAnally

Checked by: Tom B. Grant



H. L. Kendrick
H. L. Kendrick *by JRB*