

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 9, 1968

Operator El Paso Natural Gas Company		Lease Howell No. 6	
Location 1460'N, 1570'E, Sec. 26, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2474	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2364	To 2380	Total Depth: 2525	Shut In 10-2-68
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 1049	+ 12 = PSIA 1061	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 163	+ 12 = PSIA 175		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 212	
Temperature: T = 64 °F	n = .85		Fpv (From Tables) 1.016	Gravity .655	Fg = .9571

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

$$Q = (12.365)(175)(.9962)(.9571)(1.016) = \underline{2096} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1125721}{1080777} \right)^n = (2096)(1.0415)^{.85} = (2096)(1.0352)$$

NOTE: The well produced a light spray of water and distillate throughout the test.

$$Aof = \underline{2170} \text{ MCF/D}$$

TESTED BY Dannie R. Roberts

CALCULATED BY Hermon E. McAnally

WITNESSED BY _____



H. L. Kendrick
H. L. Kendrick by slm