

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 9, 1968

Operator El Paso Natural Gas Company		Lease Howell No. 7	
Location 1700'N, 1690'W, Sec. 26, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2490	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2326	To 2356	Total Depth: 2490	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 154	+ 12 = PSIA 166		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 201	
Temperature: T = 60 °F	Ft = 1.0000	n = .85	Fpv (From Tables) 1.015	Gravity .655	Fg = .9571

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

Q = (12.365)(166)(1.0000)(.9571)(1.015) = 1994 MCF/D

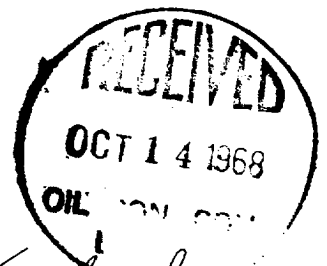
OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof = $\left(\frac{1125721}{1085320} \right)^n = (1994)(1.0372)^{.85} = (1994)(1.0316)$

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

Aof = 2057 MCF/D

TESTED BY Dannie R. Roberts
CALCULATED
WITNESSED BY Hermon E. McAnally



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