

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE July 5, 1968

Operator El Paso Natural Gas Company		Lease Warren No. 9	
Location 1590'N, 1840'W, Sec. 13 T-28-N, R-9-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.375	Set At: Feet 2322	Tubing: Diameter NO TUBING	Set At: Feet
Pay Zone: From 2210	To 2262	Total Depth: 2328	Shut In 6-19-68
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 580	+ 12 = PSIA 592	Days Shut-In 16	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 57	+ 12 = PSIA 69	Working Pressure: P <sub>w</sub> PSIG Calc.	+ 12 = PSIA 83		
Temperature: T = 61 °F      Ft = 9990	n = .85	Fpv (From Tables) 1.007	Gravity .630	Fg = .9759	

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = (12.365)(69)(.9990)(.9759)(1.007) = 838 MCF/D

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

Aof =  $\left( \frac{350464}{343575} \right)^n = (838)(1.0200)^{.85} = (838)(1.0169)$

NOTE: The well produced a light mist of dist. and water throughout the test.

Aof = 852 MCF/D

TESTED BY B. J. Broughton

CALCULATED

WITNESSED BY H. E. McAnally

RECEIVED  
JUL 16 1968  
OIL CON. COM.  
DIST. 3

*H. L. Kendrick*  
H. L. Kendrick