

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 13, 1968

Operator El Paso Natural Gas Company		Lease Blanco No. 18	
Location 1550'N, 850'E, Sec. 36, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.675	Set At: Feet 2911	Tubing: Diameter No Tubing	Set At: Feet ---
Pay Zone: From 2746	To 2800	Total Depth: 2911	Shut In 10-31-68
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 1009	+ 12 = PSIA 1021	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA ---	
Flowing Pressure: P PSIG 252	+ 12 = PSIA 264	Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 304		
Temperature: T = 61 °F Ft = .9990	n = .85	Fpv (From Tables) 1.024	Gravity .655 Fg = .9571		

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

Q = (12.365)(264)(.9990)(.9571)(1.024) = 2957 MCF/D

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

Aof = $\left(\frac{1042441}{950025} \right)^n = (2957)(1.0972)^{.85} = (2957)(1.0821)$

Note: The well produced dry gas throughout the test.

Aof = 3200 MCF/D

TESTED BY D. Norton

Calculated
WITNESSED BY H.E. McAnally

Checked by G. A. Lipman

RECEIVED
NOV 18 1968
OIL CON. COM.
DIST. 3

H. L. Kendrick