

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 24, 1969

Operator El Paso Natural Gas		Lease Bolack "B" No. 7	
Location 1090'N; 1805'E; S-33; T-28N; R-8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2258	Tubing: Diameter No tubing	Set At: Feet ---
Pay Zone: From 2099	To 2170	Total Depth: 2258	Shut In 4-17-69
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing ---

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 920	+ 12 = PSIA 932	Days Shut-In 7	Shut-In Pressure, Tubing PSIG ----	+ 12 = PSIA ---	
Flowing Pressure: P PSIG 55	+ 12 = PSIA 67	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 80		
Temperature: T = 61 °F Ft = .9990	n = 0.85	F _{pv} (From Tables) 1.009	Gravity .650 F _g = .9608		

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

Q = 12.365(67)(.9990)(.9608)(1.009) = 802 MCF/D

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

Aof = $\left(\frac{868,624}{862,224} \right)^n = 802(1.0074)^{.85} = 802 (1.0063)$

Note: Blew med. fog of water for entire test.

Aof = 807 MCF/D

TESTED BY Jesse B. Goodwin
Calculated
WITNESSED BY R. E. S.



H. L. Kendrick