

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 12, 1968

Operator El Paso Natural Gas Company		Lease Trap No. 7	
Location 1625'N, 990'W, Sec. 23, T-28-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.375	Set At: Feet 2967	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2856	To 2878	Total Depth: 2967	Shut In 10-28-68
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 1032	+ 12 = PSIA 1044	Days Shut-In 15	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA	
Flowing Pressure: P, PSIG 234	+ 12 = PSIA 246		Working Pressure: P _w Calc.	PSIG 308	+ 12 = PSIA
Temperature: T = 66 °F	F _t = .9943	n = 0.85	F _{pv} (From Tables) 1.025	Gravity	0.670 F _g = 0.9463

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

Q = (12.365)(246)(.9943)(.9463)(1.025) = 2934 MCF/D

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

Aof = $\left(\frac{1080036}{995072} \right)^n = (2934)(1.0953)^{.85} = (2934)(1.0804)$

Note: The well made very fine mist of water and distillate throughout the three hour test.

Aof = 3170 MCF/D

TESTED BY BJBroughton
Calculated
WITNESSED BY CALippman



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