

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 24, 1969

Operator El Paso Natural Gas Company		Lease Storey No. 7	
Location 950 S, 820 E, S 35, T 28 N, R 8 W		County San Juan	State New Mexico
Formation South Blanco		Pool Pictured Cliffs	
Casing: Diameter 2.875	Set At: Feet 3280	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3227	To 3237	Total Depth: 3280	Shut In 7-10-69
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 915	+ 12 = PSIA 927	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 105	+ 12 = PSIA 117		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 121	
Temperature: T = 63 °F	n = Ft = .9971 .85		Fpv (From Tables) 1.010	Gravity .640	Fg = .9682

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

Q = (12.365)(117)(.9971)(.9682)(1.010) = 1411 MCF/D

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

Aof = $\left(\frac{859329}{844688} \right)^n = 1411 (1.0173)^{.85} = 1411 (1.0147)$

Note: Blew clear gas during test.

Aof = 1432 MCF/D

TESTED BY J. G.
Calculated
WITNESSED BY REF & RES



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