

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 13, 1975

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #195	
Location 825/S, 1800/E, Sec. 13, T27N, R6W		County Rio Arriba	State New Mexico
Formation PC		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 3160'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3050'	To 3116'	Total Depth: PBD 3160' 3150'	Shut In 1-6-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completions		
Shut-In Pressure, Casing, PSIG 632	+ 12 = PSIA 644	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --		
Flowing Pressure: P PSIG 38	+ 12 = PSIA 50	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 63			
Temperature: T = 51 °F	n = F _t = 1.0088	F _p (From Tables) 1.003	Gravity .625	F _g = 0.9798		

CHOKE VOLUME = Q = C x P_i x F_t x F_g x F_p

Q = 12.365(50) (1.0088) (0.9798) (1.003) = 613 MCF/D

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

Aof = Q $\left(\frac{414736}{410767} \right)^n = 613(1.0097)^{.85} = 613(1.0082)$

Aof = 618 MCF/D

Note: The well blew a dry gas.



TESTED BY D. Norton

WITNESSED BY _____

Loren W. Fothergill
Well Test Engineer