

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 25, 1975

Operator El Paso Natural Gas Company		Lease Klein #25	
Location 985/S, 1460/E, Sec. 33, T26N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2986'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2892'	To 2926'	Total Depth: PBT 2986'	Shut In 9-17-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 543	+ 12 = PSIA 555	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 47	+ 12 = PSIA 59		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 74	
Temperature: T = 51 °F	n = .85		F _{pv} (From Tables) 1.004	Gravity .650	F _g = .9608

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

Q = 12.365(59)(1.0088)(.9608)(1.004) = 710 MCF/D

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

Aof = Q $\left(\frac{308025}{302556} \right)^n = 710(1.0181)^{.85} = 710(1.0153)$

Aof = 721 MCF/D

Note: Vented 159 MCF during 3 hour test.

TESTED BY Frank Johnson

WITNESSED BY

[Signature]
Well Test Engineer

