

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE January 14, 1975

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #201	
Location 1710/S, 1760/E, Sec. 25, T27N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 3230'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3096'	To 3146'	Total Depth: PBD 3230' 3220'	Shut In 1-2-75
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 1058	+ 12 = PSIA 1070	Days Shut-In 12	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 104	+ 12 = PSIA 116		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 147	
Temperature: T = 52 °F	n = .85		F <sub>pv</sub> (From Tables) 1.010	Gravity .625	F <sub>g</sub> = 0.9798

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365(116)(1.0078)(0.9798)(1.010) = \underline{1430} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{1144900}{1123291} \right)^n = 1430(1.0192)^{.85} = 1430(1.0163)$$

$$Aof = \underline{1454} \text{ MCF/D}$$

Note: The well blew a dry gas.

TESTED BY C. Rhames

WITNESSED BY \_\_\_\_\_

*James W. Fathbergill*  
Well Test Engineer

