## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

Operator El Paso Natural Gas Company		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'	то 3146'	Total Depth: PBTD 3230' 3220'	Shut In 1-2-75		
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing		

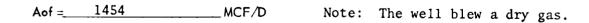
==-		Choke Constant: C					
		12.365		Tubingless Completion			
Shut-In Pressure, Casing, 1058	PSIG	+ 12 = PSIA 1070	Days Shut-In 12	Shut-In Pressure, Tubing No Tubing	PSIG	+ 12 = PSIA	,
Flowing Pressure: P 104	PSIG	+ 12 = PSIA 116		Working Pressure: Pw Calculated	PSIG	+ 12 = PSIA 147	
Temperature: T= 52 °F	Ft=1.0078	n = .85		Fpv (From Tables) 1,010		Gravity	Fg = 0.9798

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

$$Q = 12.365(116)(1.0078)(0.9798)(1.010) = 1430 MCF/D$$

OPEN FLOW = Aof = Q 
$$\begin{pmatrix} & & 2 & \\ & P_c & \\ & P_c & P_w \end{pmatrix}$$

Aof = 
$$Q\left(\begin{array}{c} 1144900 \\ \hline 1123291 \end{array}\right)^{\mathbf{n}} = 1430(1.0192)^{-.85} = 1430(1.0163)$$



TESTED BY \_\_\_\_ C. Rhames

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

Well Test Engineer