## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE August 6, 1975

Operator El Paso Natural G	as Company	San Juan 28-7 Unit #211			
Location 1580/N, 825/W, Sec 22, T 27 N, R 7 W Formation Chacra		County Rio Arriba	State New Mexico		
		Pool Undes.			
Casing: Diameter 2.875	Set At: Feet 4176†	Tubing: Diameter No tubing	Set At: Feet		
Pay Zone: From 3968	T• 3999	II	3TD Shut In 166 7-17-75		
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing		

Choke Size, Inches Choke		Choke Constant:	С				
		12.365		Tubingless Completion			
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
1032		1044_	20	No tubing			
Flowing Pressure: P	PSIG	+ 12 = PSIA 46	-	Working Pressure: Pw Calculated	PSIG	+ 12 = PSIA 61	
Temperature:		n =		Fpv (From Tables)		Gravity	
T= 63 °F F+=	.9971	.75		1.004		.665	Fg = .9498

CHOKE VOLUME = Q =  $C \times P_t \times F_t \times F_g \times F_{PV}$ 

Q = 12.365(46)(.9971)(.9498)(1.004)

= 541 MCF/D

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

Aof = Q 
$$\left(\frac{1089936}{1086215}\right)^{n}$$
 = 541(1.0034). 75 = 541(1.0026) RUB COM. 3

Aof = 542 MCF/D

Note:

The well unloaded a medium fog of water after the first 6 min of test. During the test 86.96 MCF of gas was vented to atmosphere.

TESTED BY Norton
WITNESSED BY

Well Test Expineer