## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE December 10, 1973

Operator El Paso Natural Gas Company	San Juan 27-5 Uni	San Juan 27-5 Unit #160		
1800/N, 1500/W, Sec. 31, T27N,	R5W County Rio Arriba	State New Mexico		
Formation Pictured Cliffs	Pool So. Blanco			
Casing: Diameter 2,875 Set At: Feet 3340	Tubing: Diameter No Tubing	Set At: Feet		
Pay Zone: From To 3258 3220	Total Depth: 3340	Shut In 11-27-73		
Stimulation Method Sandwater Frac	Flow Through Casing X	Flow Through Tubing		

Cheke Size, Inches 01	ifice 2,500	Crist Christant: 32.64	С	Well Tested thru	48/64	choke
Shut-In Pressure, Casing, 1011	PSIG	+ 12 = PSIA 1023	Days Shut-In 12	Shut-In Pressure, Tubing No Tubing	PSIG	+ 12 = PSIA
Flowing Pressure: P WH 109	PSIG MR 70	+ 12 = PSIA WH 121	MR 82	Working Pressure: Pw Calculated	PSIG	+ 12 = PSIA 163
Temperature: T= 62 °F	Ft= .9981	n = .85		Fov (From Tables) 1.004		Gravity .655 Fg = .9571

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

Q = Calculated from meter readings

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

Aof = Q 
$$\begin{pmatrix} 1046529 \\ 1019960 \end{pmatrix}$$
 = 1648 (1.0261)  $.85$ =1648(1.0221)



Aof = 1684 MCF/D

Note: Produced 1.5 Bb1. water.

TESTED BY Norton & Goodwin

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

William D. Well L

William D. Welch Well Test Engineer