EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 24,

Operator		Lease			
El Paso Natura	1 Gas Company	San Juan 28-7 Unit #177 (CH)			
Location 1460/S, 870/E,	Sec. 30, T27N, R7W	County Rio Arriba	State New Mexico		
Formation Chacra		Pool Undes			
Casing: Diameter 2.875	Set At: Feet 4031†	Tubing: Diameter No Tubing	Set At: Feet		
Pay Zone: From 3766	т. 3980	Total Depth: PBTD 4039 4020	Shut In 4-5-74		
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing		

Choke Size, Inches		Choke Constan	t: C			
.750		12.365		Tubingless Compl	letion	
Shut-In Pressure, Casing, 1025	PSIG	+ 12 = PSIA 1037	Days Shut-In 19	Shut-In Pressure, Tubing No Tubing	PSIG	+ 12 = PSIA
Flowing Pressure: P	PSIG	+ 12 = PSIA 52		Working Pressure: Pw Calculated	PSIG	+ 12 = PSIA 68
Temperature:		n =		Fpv (From Tables)		Gravity
T= 57 °F F+=	1.0029	.75		1.0040		.655 Fg = .957

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

Q =	12.	365	(52)	(1	.00291	1	.9571)	(1.	.0040

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

Aof =
$$0 \left(\frac{1075369}{1070745} \right)^{\mathbf{n}} = 620 (1.0043)^{-.75} = 620(1.0032)$$



Aof = 622 MCF/D

Note: The well produced a heavy spray of

water throughout the test.

TESTED BY	Hardy	
WITNESSED	BY	

Loren W. Fothergill Well Test Engineer