EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 8-5-75

Operator El Paso Natural Gas Company	Howell F # 2 (CH)			
Location 1760/S, 1450/E, Sec. 1, T 2	County San Juan	State New Mexico		
Formation CH	Pool Undes.			
Casing: Diameter 2 , 875 Set At: F	537	Tubing: Diameter No tubing		Set At: Feet
Pay Zone: From 4328 To 43	333	Total Depth: 4537	PBTD 4526	Shut In 7-22-75
Stimulation Method Sandwater Frac		Flow Through Casing XX		Flow Through Tubing

Choke Size, Inches	oke Size, Inches Choke Constant: C		: C					
.750		12.365		Tubingless Co	n			
Shut-In Pressure, Casing, 1055	PSIG	+ 12 = PSIA 1067	Days Shut-In 12	Shut-In Pressure, Tubing No tubing	PSIG	+ 12 = PSIA		
Flowing Pressure: P	PSIG	+ 12 = PSIA 21		Working Pressure: Pw Calculated	PSIG	+ 12 = PSIA 28		
Temperature:		n =		Fpv (From Tables)		Gravity		
T= 64 °F Ft=	.9962			.75		.655	Fg =	.9571

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

$$Q = (12.365)(21)(.9962)(.9571)(1.004)$$

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

Aof = Q
$$\left(\frac{1138489}{1137705}\right)^{n}$$
 = (249)(1.0007).75 = (249)(1.0052) = 250.3

Note:Well unloaded heavy fog of water and distillate in approxiately 10 min. 45.42 MCF of gas was vented to the atmosphere during the test..

TESTED BY Norton

WITNESSED BY____

Well Test Engineer