EL PASO NATURAL GAS COMPANY



DATE _____8-29-66

Operator El Paso Natural Gas Company		Huerfanito Unit No.100		
Location 1850'N, 890'E, Se	c. 34, T-27-N, R-9-W	County San Juan	State New Mexico	
Formation Mesa Verde		Pool		
Casing: Diameter 4.500	Set At: Feet 4762	Tubing: Dlameter 2.375	Set At: Feet 4637	
Pay Zone: From 4550	To 4635	Total Depth: 4770	Shut In 8-18-66	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing	

Choke Size, Inches		Choke Constant: C 12.365					
Shut-In Pressure, Casing,		+ 12 = PSIA 1059	Days Shut-In	Shut-In Pressure, Tubing 875	PSIG	+ 12 = PSIA	887
Flowing Pressure: P 195	PSIG	+ 12 = PSIA 207		Working Pressure: Pw 645	PSIG	+ 12 = PSIA	657
Temperature: T= 92 •F	F1= •9706	n = •75		Fpv (From Tables) 1.019		Gravity .705	Fg = •9225

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

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

Aof =
$$\left(\frac{1,121,481}{689,832}\right)^n = (2335)(1.6257)^{.75} = (2335)(1.4402)$$

NOTE:

Aof = 3,363 MCF/D

Unloaded oil and dist. after 5 minutes then a very heavy fog of same for the remainder of the test.

 SEP1 1966
OF CON. COM.
DIGT. 3

I. L. Kendrick