EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE	October	8.	1961

Operator Til Pago Natural Gas Company		Lease			
		Huerfono Unit No. 140			
Location		County	State		
800'H, 1650'H, Sec. 5, T-26-N, R-9-W		Sen Juon	New Mexico		
Formation			Pool		
<u> Retota</u>		Bacin			
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet		
<u> </u>	6932	2.375	6841		
Pay Zone: From	То	Total Depth:	Shut In		
F672	68 <u>1</u> ,8	6935	9-23-61:		
Stimulation Method		Flow Through Casing	Flow Through Tubing		
Sand Mater Frac.			Y .		

Choke Size, Inches		Choke Constant: C 12.365					
Shut-In Pressure, Casing, 2005	PSIG	+ 12 = PSIA 2017	Days Shut-In 15	Shut-In Pressure, Tubing 1927	PSIG	+ 12 = PSIA 1939	
Flowing Pressure: P	PSIG	+ 12 = PSIA 323		Working Pressure: Pw 781	PSIG	+ 12 = PSIA 793	
Temperature: T= 82 •F	F+= •9795	.750		Fpv (From Tables) 1.045		Gravity .790 Fg = .8715	

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

$$Q = (12.365)(323)(.9795)(.8715)(1.045)$$

MCF/D

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

Aof =
$$\left(\frac{1,068,289}{3,439,440}\right)^n$$
 = $(1.1828)^{.75}(3563)$ = $(1.1344)(3563)$

NOTE:

Aof = 1.,012 MCF/D

Made very heavy slug of oil after approx. 3 min., then a slug of water which lasted only a few seconds and then turned back to heavy spray of oil & continued to make heavy spray of oil throughout test.

TESTED BY R. F. Headrick
Checked
WITNESSERBY Tom B. Grant

Lewis D. Galloway