EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE _____12/7/72

Operator EL PASO NATURAL	GAS COMPANY	Hughes #21					
Location	Sec. 21, T29N, R8W	County San Juan	State New Mexico				
Formation Pictured Cliffs		Pool Blanco					
Casing: Diameter 2.875	Set At: Foot 3090	Tubing: Diameter No tubing	Set At: Feet				
Pay Zone: From 3010	т • 3050	Total Depth: 3090	Shut In 11/30/72				
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing				

Choke Size, Inches	Choke Constant: C 12.365		Tubingless Completion				
Shut-In Pressure, Casing, 1059	PSIG	+ 12 = PSIA 1071	Days Shut-In 7	Shut-In Pressure, Tubing No tubing	PSIG	+ 12 = PSIA	
Flowing Pressure: P 229	PSIG	+ 12 = PSIA 2 ¹ 41		Working Pressure: Pw Calculated	PSIG	+ 12 = PSIA 305	
Temperature: T = 61 °F Ft = .9	9990	n = .85		Fpv (From Tables) 1.021	·	Gravity .645	Fg = .9645

CHOKE VOLUME	= Q =	С	x	P.	x	F.	X	Fa	×	Fpv

Q = (12.365)(241)(.9990)(.9645)(1.021)

_____2932______MCF/D

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

Aof = Q $\left(\frac{1147041}{1054016}\right)^n$ = $(2932)(1.08826)^n$ = (2932)(1.0655) Dis

Aof = 3124 MCF/D

NOTE: Well blew dry gas.

> William D. Welch Well Test Engineer