EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE February 2, 1965

El Paso Natural Gas Company Location OOO'N, 990'E, Section 18, T-31-N, R-9-W formation Mcsa Verde		San Juan Unit 32-9 No. 20 (OWWO)	
		County San Juan	Stote New Mexico
		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5873	Tubing: Diameter 2 • 375	Set At: Feet
Pay Zone: From 5300	т • 5830	Total Depth: 5873	Shut In 12-17-0-
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, 902		Shut-In Pressure, Tubing 901.	+ 12 = PSIA 913
Flowing Pressure: P 313 PS	G + 12 = PSIA 325	Working Pressure: Pw 706 PSIG	+ 12 = PSIA 718
Temperature: T= 63 •F Ft= •997	1 "75	Fpv (From Tables) 1.014	Gravity .660 Fg = .9535

^{2.750&}quot; orifice plate in 4" meter run. Static = 136 psig. Differential = 6.35 roots.

CHOKE VOLUME = Q = C × P, × F, × Fg × Fpv
Volume calculated by orifice meter

$$Q = (167.76)(3.85)(6.35)(.9971)(.9535)(1.014) = 3954$$
 MCF/D

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

Aof =
$$\left(\frac{835,396}{319,872}\right)^{n}$$
 = (3954) (2.6116)**78 = (3954) (2.0544)

Aof = 8123 MCF/D

TESTED BY C. R. Wagner

WITNESSED BY Ron Headrick

NOTE: Well made 4 barrels oil during 3 hour test.



Lewis D. Galloway