## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE	October	13.	1065
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Company  El Paso Natural Gas Company  Location 990'N, 990'E, Sec. 11, T-29-N, R-8-W		Vanderwart "A" No. 1 (OWWO)			
		County San Juan	State New Mexico		
Fermetien Mesa Verd	е	Peol			
Casing: Diameter 4.500	Set At: Feet 5415	Tubing: Diameter 2.375	Set At: Feet 5360		
Pay Zone: From 4797	т• 5378	Total Depth: 5415	Shut In 10-3-65		
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing		

Choke Size, Inches		Choke Constant: C					
•7	50	נ	12.365				
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA 933	Days Shut-In	Shut-In Pressure, Tubing 546	PSIG	+ 12 = PSIA	558
Flowing Pressure: P	PSIG	+ 12 = PSIA	352	Working Pressure: Pw 768	PSIG	+ 12 = PSIA	780
Temperature: T= 78 °F Ft=	.9831	n =	•75	Fpv (From Tables)		Gravity •696	Fg = .9292

$$Q = (12.365)(352)(.9831)(.9292)(1.037) = 4123$$
 MCF/D

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

Aof = 
$$\begin{pmatrix} 870,489 \\ 262,089 \end{pmatrix}$$
 = (4123) (3.3213) \*75 = (4123) (2.4603)

Aof = 10,144 MCF/D

TESTED BY H. E. McAnally
CHECKED BY
WAYKEYKYKKY W. D. Dawson

NOTE: Unloaded a 3 minute slug of distillate and water after 4 minutes. Liquid reduced to a very light fog of distillate and water by the end at the test.

OIL DIST. 3

Lewis D. Galloway.