## EL PASO NATURAL GAS COMPANY

## OPEN FLOW TEST DATA

DATE November 5, 1968

Operator El Paso Natural Gas Company		San Juan 27-4 Unit No. 48		
1750'S, 850'	Sec. 20, T-27-N, R-4-W	Rio Arriba	New Mexico	
Formation		Pool		
Dakota		Basin		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
4.500	8173	2.375	7884	
Pay Zone: From	То	Total Depth:	Shut In	
7942	8158	8173	10-25-68	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sand Water Frac.			X	

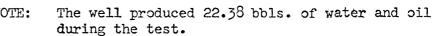
Choke Size, Inches		Choke Constant: C					
2.750 plate; 4" Meter Run 41.9208			Tested through a 3/4" variable choke				
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
2521		2533	12	2537		2549	
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA	
129 M.R.; 310 W.H.		141 M.R.;	322 W.H.	Calc.	•	782	
Temperature:		n =		Fpv (From Tables)		Gravity	
T=83 •F F+= •9"	786	•75		1.013		•700	$F_9 = 1.1952$

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

Q = Calculated from orifice meter readings = 4168 MCF/D

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

Aof =  $\left(\frac{6497401}{5885877}\right)^{n}$  =  $(4168)(1.1038)^{.75}$  = (4168)(1.0768)



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OIL CON. COM.

DIST. 3

Aof = 4489 MCF/D

TESTED By Jesse Goodwin & Bobby Broughton

CALCULATED Hermon E. McAnally

CHECKED BY: \_\_\_\_\_ Tom Grant

H. Keudiik