

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **December 19, 1958**

Operator El Paso Natural Gas		Lease Rincon Unit No. 108 (M)	
Location 1750N, 1750E; 19-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At: Feet 4680	Tubing Diameter 1-1/4	Set At: Feet 4580
Pay Zone From 4748	To 5424	Total Depth: 7531 c/o 7523	Shut in 12/4/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75		Choke Constant: C 12.365		Packer at 5500	
Shut-In Pressure, Casing, (MV) 951	PSIG	+ 12 = PSIA 963	Days Shut-In 15	Shut-In Pressure, Tubing (MV) 948	PSIG
Flowing Pressure: P 211	PSIG	+ 12 = PSIA 223		Working Pressure: P _w 303	PSIG
Temperature: T 62	°F	n = .75		Fpv (From Tables) 1.024	Gravity 680

Initial SIPT (Dak) = 2165

Final SIPT (Dak) = 2175

Packer at 5500

CHOKE VOLUME = Q = C × P_i × F_c × F_g × F_{pv}

$$Q = 12.365 \times 223 \times 9981 \times 9393 \times 1.024 = 2647 \text{ MCF/D}$$

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{927369}{828144} \right)^n = 1.1198^{.75} \times 2647 = 1.0885 \times 2647$$

A_{of} = **2881** MCF/DTESTED BY **Tom Grant**

WITNESSED BY _____



Lewis D. Galloway
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