

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 11, 1958

Operator El Paso Natural Gas		Lease Rincon Unit 108 (D)	
Location 1750N, 1750E; 19-27-6		County Rio Arriba	State New Mexico
County Dakota		Pool Undesignated	
Flowing Pressure 7-5/8	Set At: Feet 4630	Tubing Diameter 2"	Set At: Feet 7458
Flow From 7282	To 7521	Total Depth 7531 c/o 7523	Shut in 12/4/58
Flowing Method Sand W Oil Frac.		Flow Through Tubing X	

Choke Size, inches .75	Choke Constant, C .7	Days Shrink 12.365	5-1/2 liner 4628 - 7529
Shrink Pressure, Gas 913 (M)	PSIG 925	PSIA 7	Shrink Pressure, Tubing 2014 (D)
Flowing Pressure, F 279	PSIG 391	PSIA 7	Working Pressure, Pw Calc.
Temperature, T 72	Flow From .75	Flow From Tubing 1.033	Gravity .630

Initial SIPT (M) = 911 psig
Final SIPC (M) = 922 psig

Packer at 5500

CHOKE VOLUME = $C \times P_1 \times F_1 \times F_g \times F_{ov}$

$$C = 12.365 \times 391 \times .9887 \times .9759 \times 1.033$$

4819 MCF/D

$$OP = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$\left(\frac{4104676}{3359907} \right)^n$$

$$1.2216^{.75} \times 4819 = 1.1620 \times 4819$$

5600 MCF/D

Frank Clark

Checked By M. W. Rischard

Lewis D. Galloway
Lewis D. Galloway