

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **November 19, 1959**

Operator El Paso Natural Gas		Lease Rincon Unit No. 149 (D)	
Location 11008, 1750W; 30-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5	Set At: Feet 7651	Tubing: Diameter 2	Set At: Feet 7432
Pay Zone: From 7320	To 7534	Total Depth: 7653 c/o 7615	Shut In: 11/12/59
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5" liner 7172 - 7651	
Shut-In Pressure, Casing, PSIG (MV) 1054	- 12 = PSIA 1066	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG (Dak) 1898
Flowing Pressure: P 382	- 12 = PSIA 394	Working Pressure: Pw Calc.	- 12 = PSIA 875
Temperature: T 66	°F n = .75	Fpv (From Tables) 1.039	Gravity .668

Initial SIPT (MV) = 1057 psig

Final SIPC (MV) = 1067 psig

Baker "D" Packer at 5680

$$\text{CHOKE VOLUME} = Q \cdot C \cdot P_1 \cdot F_1 \cdot F_g \cdot F_{pv}$$

$$Q = 12.365 \times 394 \times .9943 \times .9498 \times 1.039 = 4780 \text{ MCF/D}$$

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

$$Aof = \left(\frac{3648100}{2882475} \right)^n$$

$$1.2656^{.75} \times 4780 = 1.1930 \times 4780$$

$$Aof = 5703 \text{ MCF/D}$$

TESTED BY **S. V. Roberts**

WITNESSED BY _____



Lewis D. Galloway
L. D. Galloway