

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **August 20, 1959**

Operator J. Glenn Turner		Lease Rosa Unit No. 34-36	
Location 990N, 1650E; 36-32-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Undesignated	
Casing Diameter 5-1/2	Set At Feet 6149	Tubing Diameter 2"	Set At Feet 6053
Pay Zone: From 5758	To 6070	Total Depth 6149	Shut in: 6/13/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1152	PSIA 1164	Days Shut-In 68	Shut-In Pressure, Tubing, PSIG 1152
Flowing Pressure, P, PSIG 233	PSIA 245		Working Pressure, Pw, PSIG 738
Temperature: T 68		Fpv (From Tables) 1.023	Gravity .650

CHOKE VOLUME $Q = C \times P_r \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 245 \times .9924 \times .9608 \times 1.023$$

2955

MCF/D

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

$$Aof = \left(\frac{1354896}{792396} \right)^n$$

$$1.7098^{.75} \times 2955 = 1.4950 \times 2955$$

$$Aof = 4418 \text{ MCF/D}$$

TESTED BY **Clarence Wagner**WITNESSED BY **Virgil Stoabs (BMG)**

Lewis D. Galloway
L. D. Galloway

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