

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 23, 1957

Operator El Paso Natural Gas Company		Lease Rincon No. 98	
Location 990'N, 990'E, Sec. 21-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 5-1/2	Set At: Feet 5653	Tubing: Diameter 2"	Set At: Feet 5185
Pay Zone: From 4897	To 5494	Total Depth: 5655 - c/o 5510	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1055 PC	- 12 - PSIA 1067	Days Shut-In 28	Shut-In Pressure, Tubing, PSIG 1034 MV
Flowing Pressure: P, PSIG 303	- 12 - PSIA 315	Working Pressure: P _w , PSIG Calculated	- 12 - PSIA 618
Temperature: T, °F 65	n = 0.750	F _{pv} (From Tables) 1.033	Gravity .670

Final SIPC (P.C.) - 1065 psig

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

$$Q = 12.365 \times 315 \times .9952 \times .9463 \times 1.033 \quad 3789 \quad \text{MCF D}$$

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

$$Aof = \left(\frac{1,094,116}{712,192} \right)^n \quad 1.5362^{.75} \times 3789 = 1.3800 \times 3789$$

$$Aof \quad 5,229 \quad \text{MCF D}$$

TESTED BY Tom GrantWITNESSED BY None available

cc: E. J. Coel, Jr. (6)

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