

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE April 4, 1957

Operator El Paso Natural Gas Company		Lease Rincon Unit # 100	
Location 990'S, 990'E, Sec. 26-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing: Diameter 5$\frac{1}{2}$	Set At: Feet 5757	Tubing: Diameter 1$\frac{1}{4}$	Set At: Feet 3331
Pay Zone: From 3310	To 3356	Total Depth: 5760 - c/o - 5700. Packer at 3527	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1005	- 12 = PSIA 1017	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 1005
Flowing Pressure: P PSIG 183	- 12 = PSIA 195		Working Pressure: Pw PSIG 187
Temperature: T °F 56	n = .85		Fpv (From Tables) 1.020
			Gravity .650

SIPT (Mesa Verde) - 1047 psig. Final SIPT (M.V.) - 1048 psig

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

$$Q = 14.1605 \times 195 \times 1.0039 \times .9608 \times 1.020 = 2717 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,034,289}{994,688} \right)^{.85}$$

$$(1.0398)^{.85} \times 2717 = 1.0337 \times 2717$$

Aof **2809** MCF/DTESTED BY **R. A. Ullrich**

WITNESSED BY

ccr E. J. Coel, Jr. (6)

L. D. Galloway
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