

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 14, 1957

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit # 26	
Location 990'N, 1530'E, Sec. 17-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7 5/8	Set At: Feet 3525	Tubing: Diameter 1 1/4	Set At: Feet 3394
Pay Zone: From 3378	To 3410	Total Depth: 5695 - c/o - 5680. Packer at 3879	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365	5 1/2" liner	
Shut-In Pressure, Casing, PSIG 1071	PSIG - 12 - PSIA 1083	Days Shut-In 26	Shut-In Pressure, Tubing, PSIG - 12 - PSIA 1072 1084
Flowing Pressure, P, PSIG 606	PSIG - 12 - PSIA 618		Working Pressure: P _w , PSIG - 12 - PSIA 621 633
Temperature, T, F 66	F .85	F _{pv} (From Tables) 1.069	Gravity .650 (est.)

Mesa Verde - SIPT 1095. Ending Mesa Verde - SIPT - 1102 psig

CHOKE VOLUME $Q_c = C \times P_c \times F_c \times F_g \times F_{gv}$

$$C \quad 12.365 \times 618 \times .9943 \times .9608 \times 1.069 \quad 7804 \quad \text{MCF/D}$$

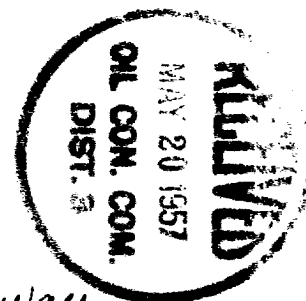
OPEN FLOW $Act = Q \left(\frac{P_c^2}{P_c - P_w} \right)^n$

$$Act \left(\frac{1,175,056}{774,367} \right)^n (1.5174)^{.85} (7804) = (1.426) (7804)$$

$$Act \quad 11,129 \quad \text{MCF/D}$$

TESTED BY K. C. McBride

WITNESSED BY
cc: E. J. Coel, (6)



L. D. Galloway
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