

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 16, 1959

Operator El Paso Natural Gas Company		Lease San Juan 28-7 No. 103 (M)	
Location 816N, 1041E; 3-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2941	Tubing: Diameter 2"	Set At: Feet 5008
Pay Zone: From 4480	To 5116	Total Depth 5222 c/o 5157	Shut In: 7/2/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	5-1/2 liner 2902 - 5222	
Shut-In Pressure, Casing 1022 (PC)	PSIG - 12 - PSIA 1034	Days Shut-In 14	Shut-In Pressure, Tubing 1096 (MV)
Flowing Pressure, P 345	PSIG - 12 - PSIA 357		Working Pressure, W Calc.
Temperature, T 70		Spv. From Table 1.037	Gravity .684

Initial SIPT (PC) = 1022 psig

Packer at 4396

Final SIPC (PC) = 1026 psig

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

$$C = 12.365 \times 357 \times .9905 \times .9393 \times 1.037$$

4259

MCF/D

$$\text{OPEN FLOW } A_{cf} = Q \left(\frac{P_1}{P_2} \right)^n$$

$$A_{cf} = \left(\frac{1227664}{748800} \right)^n$$

$$1.6395 \times 4259 = 1.4480 \times 4259$$

$$A_{cf} = 6167 \text{ MCF/D}$$

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