

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 14, 1959

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 83 (N)	
Location 1840N, 1460E, 25-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2	Set At: Feet 5441	Tubing: Diameter 2	Set At: Feet 5287
Pay Zone: From 4762	To 5398	Total Depth 5444 c/o 5416	Shut In: 9/20/59
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant 12.365	5-1/2 liner 3170 - 5441	
Shut-In Pressure, Casing: PSIG 1054 (PC)	- 12 - PSIA 1056	Shut-In Pressure, Tubing: PSIG 1081 (MV)	- 12 - PSIA 1093
Flowing Pressure: P _w : PSIG 310	- 12 - PSIA 322	Working Pressure: P _w : PSIG Calc.	- 12 - PSIA 638
Temperature: T 62	n = .75	Flow From Tables 1.044	Gravity .74

Initial SIPT (PC) = 1056 psig
Final SIPT (PC) = 1059 psig

Packer at 4598

CHOKE VOLUME = Q = C × P₁ × F₁ × F_g × F_p

$$Q = 12.365 \times 322 \times .9981 \times .9005 \times 1.044$$

3736

MCF/D

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

$$A_{of} = \left(\frac{1194649}{787605} \right)^n$$

$$1.5168^{.75} \times 3736 = 1.3667 \times 3736$$

$$A_{of} = 5106 \text{ MCF/D}$$

TESTED BY Tom Grant

WITNESSED BY _____



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