

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 20, 1958

Operator El Paso Natural Gas		Lease Sunray No. 1-B	
Location 1090'B, 990'W, Sec. 15-30-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At: Feet 3178	Tubing Diameter 2"	Set At: Feet 5296
Pay Zone: From 5220	To 5304	Total Depth 5390	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365		5-1/2" liner. 3125 - 5390	
Shut-in Pressure, Casing, PSIG 1039	PSIG - 12 - PSIA 1051	Days Shut-in 12	Shut-in Pressure, Tubing, PSIG 1034	PSIG - 12 - PSIA 1046	
Flowing Pressure, P, PSIG 352	PSIG - 12 - PSIA 364		Working Pressure, Pw, PSIG 852	PSIG - 12 - PSIA 864	
Temperature, T 70	.75		Flow From Tables 1.039	Gravity 0.682	

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

$$Q = 12.365 \times 364 \times .9905 \times .9393 \times 1.039$$

4351

MCF D

OPEN FLOW $Aof = Q \left(\frac{P_1^2 - P_a^2}{P_r^2 - P_a^2} \right)^n$

$$Aof = \left(\frac{1,104,601}{358,105} \right)^n$$

$$3.0845^{.75} \times 4351 = 2.3280 \times 4351$$

$$Aof = 10,129 \text{ MCF D}$$

TESTED BY Jess Goodwin

WITNESSED BY _____



L. D. Galloway
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