

OPEN FLOW TEST DATA

DATE May 14, 1957

Operator El Paso Natural Gas Company		Lease San Juan 27-5 # 25	
Location 890'S, 1000'W, Sec. 3-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At Feet 3522	Tubing Diameter 2"	Set At Feet 5715
Per. Zone From 5292	To 5822	Total Depth 5813 - c/o - 5750	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, in. no. .750	Choke Constant 14.1605	5 1/2" liner	
Shut-In Pressure, Casing, PSIG 1093	PSIA 1105	Days Shut-In 30	Shut-In Pressure, Tubing, PSIG 1095
Flowing Pressure, Casing, PSIG 336	PSIA 348		Flowing Pressure, Tubing, PSIG 891
Temperature, °F 71			Gravity .610
	.75	1.027	

$$\text{CHOKE VOL. (MCF)} = C \times C \times R \times F_1 \times F_2 \times F_3$$

$$= 14.1605 \times 348 \times .9896 \times .9918 \times 1.027$$

4967

MCF/D

$$\text{OPEN FLOW} = Aof \times \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$Aof = \left(\frac{1,225,449}{413,648} \right)^{.75} \times 4967 = 2.259 \times 4967$$

Aof 11,220

MCF/D

TESTED BY

K. C. McBride

WITNESSED BY

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