

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 30, 1956

Operator El Paso Natural Gas Company		Lease - San Juan 28-5 Unit # 12	
Location 1500'S, 802'W, Sec. 7-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5 1/2	Set At: Feet 5365	Tubing Diameter 2"	Set At: Feet 5744
Pay Zone From 5346	To 5744	Total Depth: 5865 - c/o - 5780'	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 14.1605	
Shut-in Pressure, Casing 1086	PSIG - 12 - PSIA 1098	Days Shut-in 12	Shut-in Pressure, Tubing 1084
Flowing Pressure: P 350	PSIG - 12 - PSIA 362		Working Pressure: Pw 824
Temperature: T 65	F .75		Gravity 1.038
			.674

CHOKE VOLUME (Q) C x P_i x F_i x F_g x F_v

C 14.1605 x 362 x .9952 x .9463 x 1.038 = 5011 MCF/D

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

Q = $\left(\frac{1,205,604}{506,708} \right)^{.75} (2.379)^{.75} (Q) = 1.914 \times 5011$

As 9591 MCF/D

TESTED BY K. C. McBride

WITNESSED BY



L. D. Galloway

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