

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE July 23, 1957

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit No. 27	
Location 990'S, 890'W, Sec. 26-27-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3495	Tubing: Diameter 2"	Set At: Feet 5423
Pay Zone: From 5410	To 5584	Total Depth: 5700 - c/o 5610. Packer at 3570	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365		5-1/2" liner - 3448 to 5704	
Shut-In Pressure, Casing, PSIG PC 1080	- 12 PSIA	Days Shut-In 15	Shut-In Pressure, Tubing PSIG MV 1151	- 12 PSIA	1163
Flowing Pressure: P PSIG 42	- 12 PSIA		Working Pressure: Pw PSIG Calculated	- 12 PSIA	105
Temperature: T °F 62	n = .75		Fpv (From Tables) 1.004	Gravity	.675

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

$$Q = 12.365 \times 54 \times .9981 \times .9427 \times 1.004 = 631 \text{ MCF D}$$

$$\text{OPEN FLOW} = Aof \cdot Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof \cdot \left(\frac{1,352,569}{1,341,544} \right)^n = 1.0082^{.75} \times 631 = 1.0061 \times 631$$

$$Aof \cdot 635 \text{ MCF D}$$

TESTED BY K. C. McBride

WITNESSED BY _____

cc: E. J. Coel, Jr. (6)

By: E. J. Coel, Jr.

L. D. Galloway
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