

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **March 26, 1957**

Operator El Paso Natural Gas Company		Location San Juan 28-7 Unit # 69	
Lease 1700'N, 1700'E, Sec. 32-28-7		County Rio Arriba State New Mexico	
Formation Mesa Verde		Well Blanco	
Casing Diameter 5½	Set At Feet 4964	Tubing Diameter 2	Set At Feet 4349
Pay Zone From 4264	To 4944	Total Depth 4970 - c/o - 4750	
Storage Method Sand Water Frac		Flow Through Tubing X	

Choke Size, Inche 0.750	Choke Constant C 14.1605		
Shut-in Pressure, Casing 1060	PSIG 11	Flow St. # 9	Shut-in Pressure, Tubing 1034
Flow Pressure, P 364	PSIG 12 PSIA		Flow Pressure, Pw 793
Temperature 61			Gravity 0.670

Q_{SC} = Q_{UM} (2.2930) × P₁ × F₁ × F₂ × F₃ × F₄

$$Q_{SC} = 14.1605 \times 376 \times .9463 \times .999 \times 1.041$$

5240

MCF/D

OPEN FLOW = Q_{SC} × $\left(\frac{P_1}{P_2} \right)^n$

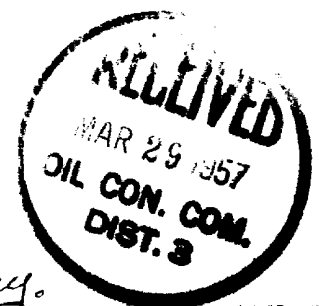
$$Q_{SC} = \left(\frac{1,149,184}{501,159} \right)^n (2.2930)^{.75} \times 5240 = 1.865 \times 5240$$

Q_{SC} = 9773 MCF/D

Tom Grant

At the Office of

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

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