

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 11, 1956

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit # 13	
Location 890'S, 1033'W, Sec. 9-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5½	Set At: Feet 5837	Tubing Diameter 2"	Set At: Feet 5770
Pay Zone From 5662	To 5774	Total Depth 5842 - c/o - 5815	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Flow Line, inches 0.750	Choke Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 1044	PSIA 1056	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 1040
Working Pressure, P, PSIG 268	PSIA 280		Working Pressure, P, PSIG 677
Temperature, F 79			Gravity 0.670 est.
	0.750		1.026

CHOKED VOLUME, Q = C x R₁ x F₁ x F_g x F_{av}

$$Q = 14.1605 \times 280 \times .9822 \times .9463 \times 1.026$$

3781

MCF/D

$$Q_{ST} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$Q_{ST} = \left(\frac{1,115,136}{640,415} \right)^n (1.7413)^{.75} Q = 1.516 (Q)$$

$$Q_{ST} = 5732 \text{ MCF/D}$$



D. C. Adams

L. D. Galloway
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By: Tom Grant

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MISSION

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