

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 21, 1956

Operator El Paso Natural Gas Company		Lease Storey # 4-B	
Location 1815'S, 1180'W, Sec. 11-30-11		County San Juan	State New Mexico
Field Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 5 1/2	Casing Set At Feet 4394-4769	Tubing Diameter 2	Tubing Set At Feet 4669
Flow Line Feet 4592	Flow Line Feet 4664	Total Depth 4771 - c/o - 4700	
Fracturing Method Sand Water Frac		Flow Through Casing Flow Through Tubing	

Choke Size, inches 0.750		Choke Constant, C 14.1605	
Shut-In Pressure, Casing, PSIG 1058	PSIA 1070	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1055
Working Pressure, P, PSIG 383	PSIA 395	Working Pressure, Pw, PSIG 778	PSIA 790
Temperature, F 79	Gravity 0.750	Fpv (From Tables) 1.041	Gravity .690

$$Q = VOLUME = C \times P \times F_c \times F_g \times F_{pv}$$

$$C = 14.1605 \times 395 \times .9822 \times .9325 \times 1.041$$

5333

MCF D

$$Q = \left(\frac{P_w - P_{wf}}{P - P_w} \right)^n$$

$$\left(\frac{1,144,900}{520,800} \right)^n \times 5333 = 1.8050 \times 5333$$

9626

MCF D

Tom Grant



Lewis D. Galloway
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