

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 28, 1956

Operator El Paso Natural Gas Company		Lease Scott # 3 (Old well worked over)	
Location 990'S, 990'W, Sec. 29-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 4 1/2" liner	Set At Feet 4441 - 5227	Tubing Diameter 2"	Set At Feet 5186
Flow Zone From 4650	5217	Total Depth 5380 - c/o - 5372	
Stimulation Method		Flow Through Casing	Flow Through Tubing X

Choke size, inches .750	Choke Constant C 14.1605		
Shut-In Pressure, Casing 941	PSIG 2 PSIA 953	Days Shut-In 9	Shut-In Pressure, Tubing 940
Flowing Pressure, P 170	PSIG 12 PSIA 182		Working Pressure, Pw 587
Temperature, T 86	F .75		Gravity .670

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

$$Q = 14.1605 \times 182 \times .9759 \times .9463 \times 1.016 \times 2418 \text{ MCF/D}$$

$$Q = \left(\frac{908,209}{549,408} \right)^n$$

$$(1.6530)^{.75} \times 2418 = 1.457 \times 2418$$

$$Q = 3523 \text{ MCF/D}$$

K. C. McBride



L. D. Galloway

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