

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 14, 1957

Operator El Paso Natural Gas Company	Lease Lackey # 9-B
Location 915'S, 790'W, Sec. 21-28-9	County San Juan State New Mexico
Formation Pictured Cliff	Pay Aztec
Casing, Inside 7 5/8 Set At Feet 2390	Tubing, Diameter 2" Set At Feet 2266
Perforations 2196	Total Depth 2400
Stratigraphic Correlation Sand Water Frac	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .750	Choke Constant, C 14.1605	5 1/2" liner Top 2327 Bottom 4729 - PB 2400
Shut-In Pressure, PSIG 607	PSIG 12 PSIA 619	Days Shut-In 11
Flowing Pressure, P 366	PSIG 12 PSIA 378	Shut-In Pressure, Tubing 603
Temperature 69	.85	Working Pressure, Pw 432
		Flow From Tubing 1.035
		Gravity .641

CHOKE VOLUME $Q = C \times P_r \times F_v \times F_g \times F_c$

$$C = 14.1605 \times 378 \times .9915 \times .9682 \times 1.035$$

5318

MCF D

$$Q = \left(\frac{P_r}{P_w} \right)^n$$

$$\left(\frac{383,161}{186,025} \right)^{.85} \times 5318 = 1.848 \times 5318$$



K. C. McBride

L. D. Galloway

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