

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 26, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 3-D	
Location 1650'N, 1750'E, Sec. 29-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5 1/2	Set At: Feet 3260	Tubing: Diameter 2	Set At: Feet 3127
Pay Zone: From 3166	To 3194	Total Depth: 3270 - c/o - 3205	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1001	- 12 PSIA 1013	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1001
Flowing Pressure: P PSIG 260	- 12 PSIA 272		Working Pressure: Pw PSIG 632
Temperature: T F 74	n 0.850		Gravity .650

CHOKE VOLUME: $Q = C \times P_r \times F_r \times F_g \times F_{gv}$

$$Q = 12.365 \times 272 \times .9868 \times .9608 \times 1.025 = 3268 \text{ MCF/D}$$

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_r^2}{P_c^2 - P_a^2} \right)^n$$

$$A_{of} = \left(\frac{1,026,169}{611,433} \right)^n \times 1.6783^{.85} \times 3268 = 1.5525 \times 3268$$

$$A_{of} = 5074 \text{ MCF/D}$$

TESTED BY Tom Grant

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

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