

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 20, 1957

Operator El Paso Natural Gas		Lease Abraham No. 1-C	
Location 1600'N, 1600'E, Sec. 15-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2	Set At: Feet 5653	Tubing: Diameter 2	Set At: Feet 5534
Pay Zone: From 5122	To 5502	Total Depth: 5665 - c/o 5520	
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: 1115	PSIG	12 - PSIA	Days Shut-In 18
Shut-In Pressure, Tubing 1046	PSIG	12 - PSIA	
Flowing Pressure: P 250	PSIG	12 - PSIA	Working Pressure: P _w 626
Temperature: T 68	F	F _{pv} From Tables 1.018	Gravity 580

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

$$Q = 12.365 \times 262 \times .9924 \times 1.017 \times 1.018 = 3329 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,270,129}{863,085} \right)^n \quad 1.4716^{.75} \times 3329 = 1.3361 \times 3329$$

$$A_{of} = 4448 \text{ MCF/D}$$

TESTED BY T. B. Grant and Jess Goodwin

WITNESSED BY _____



L. D. Galloway
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