

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 4, 1960

Operator El Paso Natural Gas Co.		Lease Jicarilla No. 7-E	
Location 1650E, 1650W; 20-25N-4W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco PC	
Casing Diameter 2-1/2"	Set At Feet 3384	Tubing Diameter No Tubing	Set At Feet -
Pay Zone From 3282	To 3316	Total Depth 3385 c/o 3340	Shut-In 7/7/60
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing -

Choke Size, inches .75	Choke Constant C "Slim Hole"	Shut-In Pressure, Casing, PSIG 858	12 PSIA	Days Shut-In 28	Shut-In Pressure, Tubing, PSIG -	12 PSIA
Flowing Pressure, P, PSIG 490	12 PSIA	Working Pressure, Pw, PSIG Calc. 643	12 PSIA	Flow (From Tables) 1.056	Gravity .675	Fg = .9427
Temperature, T, °F 56	502					
Ft = .10039						

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = 12.365 \times 502 \times 1.0039 \times .9427 \times 1.056 = 6203 \text{ MCF/D}$$

$$\text{OPEN FLOW } A = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_w^2} \right)^n$$

$$A = \left(\frac{756900}{327875} \right)^n$$

$$2.3085^{.85} \times 6203 = 2.0350 \times 6203$$

$$A = 12623 \text{ MCF/D}$$

SE. Headrick **R. L. Headrick**

W. Headrick

Checked By T. B. Grant

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