

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 24, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 172	
Location 950'N, 1650'E, Sec. 26, T-27-N, R-7-W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.5	Set At: Feet 7719	Tubing: Diameter 2.375	Set At: Feet 7378
Pay Zone: From 7434	To 7618	Total Depth: 7720	Shut In 8-12-62
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1393	PSIA 1405	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 2441
Flowing Pressure: P, PSIG 314	PSIA 326	Working Pressure: Pw, PSIG Calc.	PSIA 709
Temperature: T 79 F	F _r .9822	F _{pv} (From Tables) 1.035	Gravity .700
	C 0.75		F _g .9258

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

$$Q = (12.365)(326)(.9822)(.9258)(1.035)$$

3794

MCF/D

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

$$Aof = \left(\frac{6,017,209}{5,514,528} \right)^n (1.0911)^{.75} (3794) = (1.0676)(3794)$$

$$Aof = 4050 \text{ MCF/D}$$

NOTE: Heavy spray of water throughout test. Tubing set through Packer at 7378.

TESTED BY H. E. McAnally

WITNESSED BY _____

Checked by T. B. Grant

Lewis D. Galloway
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