

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

Operator El Paso Natural Gas Company		Lease Rincon No. 173	
Location 790'S, 1190'W, Sec. 23-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.50	Set At: Feet 7733	Tubing: Diameter 2.375	Set At: Feet 7608
Pay Zone: From 7448	To 7632	Total Depth: 7733	Shut In 7-14-62
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 2509	PSIG - 12 PSIA 2521	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG 2524
Flowing Pressure: P, PSIG 388	PSIG - 12 PSIA 400		Working Pressure: Pw, PSIG 1145
Temperature: 76 F	n .9850		Fpv (From Tables) 1.038
	.75		Gravity .670
			Fg .9463

CHOKE VOLUME $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$$Q = (12.365)(400)(.9850)(.9463)(1.038)$$

4785

MCF D

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

$$A_{of} = \left(\frac{6,431,296}{5,092,647} \right)^n$$

$$(1.2628)^{.75}(4785) = (1.1913)(4785)$$

Aof

5700

MCF D

NOTE: Well produced heavy spray of water throughout test.

TESTED BY **H. E. McAnally**

WITNESSED BY


H. L. Kendrick
