

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE December 28, 1962

Operator El Paso Natural Gas Company		Lease Rincon No. 184	
Location 1022'N, 890'E, Sec. 15-27-7		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4.500	Set At: Feet 7873	Tubing Diameter 2.375	Set At: Feet 7714
Pay Zone From 7599	To 7762	Total Depth 7881 C/O 7834	Shut In 12-5-62
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, inches .75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 2165	PSIG - 12 PSIA 2177	Days Shut-In 23	Shut-In Pressure, Tubing, PSIG 2366
Flowing Pressure, Casing, PSIG 400	PSIG - 12 PSIA 412		Working Pressure, P _w , PSIG 1065
Temperature, F 79	Grav. F _g .9822		Sp. Gr. From Tables 1.011
			Grav. F _g .9463

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_v$

$Q = (12.365)(412)(.9822)(.9463)(1.011)$

1929

MCF D

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

$$\text{Aof} = \left(\frac{5,654,884}{4,494,955} \right)^n = (4929)(1.2580)^{.75} = (4929)(1.1880)$$

NOTE: Unloaded water and distillate in 7 min. Blew heavy spray of water and oily distillate throughout remainder of test period.

Aof 5856

MCF D

TESTED BY **Dannie Roberts**

WITNESSED BY

Calculated by **W. D. Dawson**

Checked by **Tom B. Grant**

Lewis D. Galloway
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