

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 4, 1963

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-5 No. 57	
Location 890'N, 1150'E, Sec. 19-28-5		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7920	Tubing: Diameter 2.375	Se- At: Feet 7825
Pay Zone: From 7638	To 7840	Total Depth: 7920	Shut In 12-27-62
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2582	12 PSIA 2594	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 2558
Flowing Pressure: P, PSIG 377	12 PSIA 389		Working Pressure: Pw, PSIG 1282
Temperature: T 68 F	.9924		Gravity .670
	.75		Fg .9463
			Flow from Tables 1.040

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

$$Q = (12.365)(389)(.9924)(.9463)(1.040)$$

4698

MCF D

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

$$Aof \left(\frac{6728836}{5054400} \right)^n = (4698)(1.3312)^{.75} = (4698)(1.2393)$$

NOTE: Blew light fog of distillate and water with some sand throughout test.

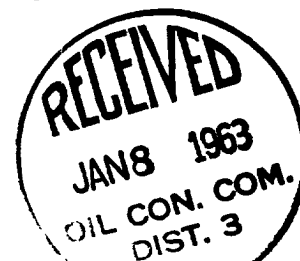
Aof 5822 MCF D

DESIGNED BY C. F. Wagner

Calculated by

~~XXXXXXXXXX~~ W. D. Dawson

Checked by Tom B. Grant



Lewis D. Galloway
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