

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE January 15, 1963

Operator El Paso Natural Gas Company	Lease San Juan Unit 28-5 No. 65
Location 1500'S, 1700'W, Sec. 28-28-5	County Rio Arriba State New Mexico
Formation Dakota	Pool Basin
Casing: Diameter 4.500 Set At: Feet 7918	Tubing: Diameter 2.375 Set At: Feet 7780
Pay Zone: From 7604 To 7808	Total Depth 7923 Shut In 12-29-62
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .75	Choke Constant 12.365
Shut-In Pressure, Casing, PSIG 2669	Shut-In Pressure, Tubing, PSIG 2677
Flowing Pressure: P _w , PSIG 594	Working Pressure: P _w , PSIG 1854
Temperature 76	Gravity .610
F _g .9850	F _g .9918
.75	1.052

$$Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$$

$$Q = (12.365)(606)(.9850)(.9918)(1.052)$$

7701

MCF D

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

$$Aof = \left(\frac{7,230,721}{3,748,765} \right)^n$$

$$(1.9288)^{.75}(7701) = (1.6351)(7701)$$

NOTE: Blew a spray of distillate with a slight amount of water.

Aof

12,592

MCF D

Checked by **R. F. Headrick**

Checked by **W. D. Dawson**

