

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **March 29, 1962**

Operator **J. Glenn Turner**
 Location **1810'N, 900'W, Sec. 9-29-10**
 Formation **Dakota**
 Tubing Diameter **5 1/2** Ser. At. Feet **6885**
 Perforation Depth **6700** To **6824**
 Completion Method **Sand Water Frac.**
 Lease **Turner Nye No. 9-1 (DK)**
 County **San Juan** State **New Mexico**
 Pool **Basin**
 Tubing Diameter **2 1/16** Ser. At. Feet **6650**
 Total Depth **6885 P.B. 6851** Shut In **3/8/62**
 Flow Through Casing Flow Through Tubing **X**

Choke Constant C	12.365	Baker Model "D" Packer at 6670
Initial Pressure (PSIG)	1411	Shut-In Pressure, Tubing (PSIG)
(TV) 1411		(DK) 1989
Flowing Pressure (PSIG)	210	Working Pressure, Pw (PSIG)
	222	(Calc.) 621
Temperature (°F)	65	Friction Factor
	.9952	1.027
	.75	Gravity
		.726
		.9097

Initial: SIPT (TV) = 1394 psig
 Final: SIPT = 1412 psig

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$
 $Q = (12.365)(222)(.9952)(.9097)(1.027) = 2552$ MCF/D

OPEN FLOW $Q = \left(\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right)^n$
 $Q = \left(\frac{4004001 - 3618360}{4004001 - 3618360} \right)^n$
 $(2552)(1.1065)^{.75} = (2552)(1.0789)$



Note: Blew light fog of distillate throughout test.

Aut **2753** MCF/D

T. B. Grant (EPNG)

Al Johnson (La Plata)

Lewis D. Galloway
 Lewis D. Galloway