

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 18, 1961**

Operator El Paso Natural Gas Company	Lease San Juan 29-6 No. 68
Location 1170'N, 1090'E, 29-29N-6W	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 7" O.D. Set At: Feet 3400	Tubing: Diameter 2 3/8" O.D. Set At: Feet 5457
Pay Zone: From 4986 To 5478	Total Depth 5536 C/O 5501 Shut In 9/28/61
Stimulation Method Sand Water Frac.	Flow Through Casing X

Choke Size, Inches .75	Choke Constant: C 12.365	4 1/2" O.D. Liner 3279 to 5536
Shut-In Pressure, Casing, PSIG 1100	PSIG + 12 = PSIA 1112 Days Shut-In 20	Shut-In Pressure, Tubing PSIG 1097 PSIG + 12 = PSIA 1109
Flowing Pressure: P PSIG 310	PSIG + 12 = PSIA 322	Working Pressure: Pw PSIG 740 PSIG + 12 = PSIA 752
Temperature: T 69 F 9915	.75	Fpv (From Tables) 1.031 Gravity .650 Fg .9608

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

$Q = (12.365) (322) (9915) (9608) (1.031) = 3911$

MCF/D

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

Aof $\left(\frac{1,236,544}{671,040} \right)^n = (3911) (1.8427)^{.75} = (3911) (1.5830)$

NOTE: Blew light fog of water throughout test.

Aof **6191** MCF/D

TESTED BY **C. R. Wagner**

WITNESSED BY
Calculated by: **W. D. Dawson**

