

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 13, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 29-6 No. 38
Location 990'S, 1650'W, Sec. 16-29-6	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 7.000 Set At: Feet 3492	Tubing: Diameter 2-3/8 Set At: Feet 5547
Pay Zone: From 5156 To 5578	Total Depth: 5655 C/O 5629 Shut In 5-28-62
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365
Shut-In Pressure, Casing, PSIG 1093	Days Shut-In 9
Flowing Pressure: P, PSIG 379	Shut-In Pressure, Tubing, PSIG 1093
Temperature 72	Working Pressure: Pw, PSIG 887
F _r .9887	F _{pv} (From Tables) 1.036
F _g .9608	Gravity .650

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

$$Q = (12.365)(391)(.9887)(.9608)(1.036)$$

4758 MCF/D

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

$$Aof = \left(\frac{1,221,025}{412,824} \right)^n (2.9577)^{.75} (4758) = (2.2580)(4758)$$

Aof **10,744** MCF/DTESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked by **W. D. Dawson**

Lewis D. Galloway
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