

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **November 9, 1961**

Operator El Paso Natural Gas Company	Lease San Juan 27-4 No. 30
Location 800'S, 1450'W, Sec. 32-27N-4W	County Rio Arriba State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 4-1/2" Set At Feet 8494	Tubing Diameter 2-3/8 Set At Feet 8360
Pay Zone From 8158 To 8348	Total Depth 8494 c/o 8400 Shot 10-29-61
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 12.365	Days Shut-in 11	Shut-In Pressure, Tubing 2026	PSIG 12 PSIA 2038
Shut-In Pressure, Casing 2352	PSIG 12 PSIA 2364	Working Pressure, Pw 784	PSIG 12 PSIA 796	
Flowing Pressure, P 285	PSIG 12 PSIA 297	Fpv (From Tables) 1.032	Gravit .700	Fg .9258
Temperature 74	Ft .9868			

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{pv}$

$$Q = (12.365)(297)(.9868)(.9258)(1.032)$$

3462

MCF/D

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

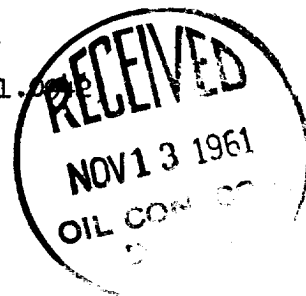
$$\text{Aof } \left(\frac{5,588,496}{4,954,880} \right)^n$$

$$(3462)(1.1278)^{.75} = (3462)(1.1278)^{.75}$$

Aof

3788

MCF/D



NOTE: Blew Heavy Mist throughout test.

TESTED BY **Dannie R. Roberts**

WITNESSED BY

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

Lewis D. Galloway
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