

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **November 4, 1963**

Operator El Paso Natural Gas Company	Lease San Juan Unit 27-5 No. 93
Location 890'S, 1800'E, Sec. 31, T-27-N, R-5-W	County Rio Arriba State New Mexico
Formation Pictured Cliffs	Pool South Blanco
Casing Diameter 2.875 Set At Feet 3352	Tubing Diameter No Tubing Set At Feet ----
Play Zones From 3219 To 3235	Total Depth 3356 Shut In 10-22-63
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing ----

Choke Size, inches 0.75	Choke Constant, C 12.365	"TUBINGLESS COMPLETION"
Shut-In Pressure, Casing, PSIG 1039	PSIG - 12 - PSIA 1051	Days Shut-In 13
Flowing Pressure, Casing, PSIG 202	PSIG - 12 - PSIA 214	No Tubing Calc.
Temperature, Casing 62	Flow From Tables 1.021	Working Pressure, Pw, PSIG 274
Flowing Pressure, Tubing, PSIG 202	Gravity 0.650	Flow Through Tubing ----
Flowing Pressure, Tubing, PSIG 202	Flow Through Tubing ----	Flow Through Tubing ----

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$Q = 12.365 \times 214 \times .9981 \times .9608 \times 1.021$

2591

MCF/D

OPEN FLOW $Q = \left(\frac{C}{P_1 - P_2} \right)^n$

$Q = \left(\frac{1,104,601}{1,029,525} \right)^n$

$(1.0729)^{.85} (2591) = (1.0616)(2591)$

2751

MCF/D

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