

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **October 12, 1961**

Operator La Plata Gathering System	Lease San Juan 32-5 No. 1-27 (Re-Test)
Location NE/4 Sec. 27-32N-6W	County Rio Arriba State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 5-1/2" O.D. Set At Feet 7895	Tubing Diameter 2-3/8" Set At Feet 7645
Pay Zone: From 7666 To 7812	Total Depth 7895 Shut In 8-9-61
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches 0.750"	Choke Constant: C 12.365	Re-test at request of operator
Shut-In Pressure, Casing, PSIG 2907	PSIG - 12 PSIA 2919 Days Shut-In 64	Shut-In Pressure, Tubing PSIG - 12 PSIA 2919
Flowing Pressure: P PSIG 288	PSIG - 12 PSIA 300	Working Pressure: Pw PSIG - 12 PSIA 646
Temperature T 73 F	Ft. .9877 0.75	Flow From Tables: Gravity 1.022 Est. .600 Fg 1.000

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = (12.365)(300)(.9877)(1.000)(1.022)$$

3744

MCF/D

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

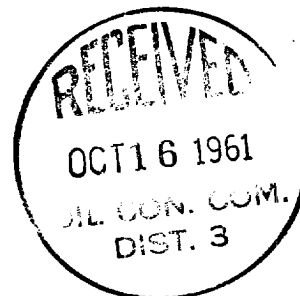
$$Aof = \left(\frac{8,520,561}{8,087,597} \right)^n$$

$$(3744)(1.0535)^{.75} = (1.0399)(3744)$$

Aof

3893

MCF/D

TESTED BY: **R. L. Nickell, Jr.**WITNESSED BY: **Oliver Towle**Checked by: **J. B. Grant**

Lewis D. Galloway
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