

Operator	La Plata Gathering System	Lease	San Juan 32-5 No. 2-24
Location	2310N, 1550E, Sec. 24-32-6	County	Rio Arriba
Formation	Mesa Verde	State	New Mexico
Casing: Diameter	5-1/2	Pool	Blanco
Set At: Feet	8078	Tubing: Diameter	2.375
Flow Zones From	5432	Total Depth	8078 P.B. 5450
Stimulation Method	Sand/Water Frac.	Set At: Feet	5400
		Shut In	1-19-62
		Flow Through Tubing	X

Choke Size, Inches	0.750	Choke Constant: C	12.365
Shut-In Pressure, Casing, PSIG	1080	Days Shut In	12
Flowing Pressure: P, PSIG	134	Shut-In Pressure, Tubing, PSIG	1093
Temperature, °F	84	Working Pressure: Pw, PSIG	618
		Fv (From Tables)	1.012
		Gravity	Est. .600
			Fg 1.000

CHOKE VOLUME $Q = C \times P_i \times F_v \times F_g \times F_{av}$

$Q (12.365)(176)(.9777)(1.000)(1.012) \quad \quad \quad 2153 \quad \quad \text{MCF/D}$

OPEN FLOW $Act = Q \left(\frac{P_i^2 - P_w^2}{P_i^2} \right)^n$

$Act \left(\frac{1,194,649}{812,725} \right)^n (1.4699)^{.75} (2153) = (1.3346)(2153)$

$Act \quad \quad 2873 \quad \quad \text{MCF/D}$



NOTE: Heavy spray of water during entire test.

W. D. Dawson (EPNG)

Oliver Towell (La Plata Gathering)

Lewis D. Galloway
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