

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-2-61

Operator El Paso Natural Gas Company	Lease San Juan 29-6 No. 66
Location 1450'S, 1850'W, Sec. 9-29N-6W	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing Diameter 2-7/8" O.D. Set At Feet 6005	Tubing Diameter No Tubing Set At Feet ----
Pay Zone From 5508 To 5950	Total Depth 6010 C/O 5999 Shut In 5-2-61
Shut In Reason Sand/Water Frac.	Flow Through Casing X

Choke Size 0.750	Choke Instant C 12.365	Tubingless Completion
Shut-In Pressure - Casing, PSIG - 12 - PSIA 1049	Days Shut-In 31	Shut-In Pressure - Tubing, PSIG - 12 - PSIA No Tubing
Flowing Pressure - P, PSIG - 12 - PSIA 225	Flowing Pressure - Pw, PSIG - 12 - PSIA Calc.	Flowing Pressure - Pw, PSIG - 12 - PSIA 336
Temperature 77	Grav. Sp. .9840 .75	Grav. Sp. .650 .9608
		Eq. 1.021

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

$$Q = (12.365)(237)(.9840)(.9608)(1.021)$$

2829

MCF/D

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

$$A_{of} = \left(\frac{1,125,721}{1,012,825} \right)^n$$

$$(1.1114)^{.75}(2829) = (1.0825)(2829)$$

A_{of} 3062

MCF/D

C. R. Wagner



Lewis D. Galloway
L. D. Galloway