

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-7-61

Operator El Paso Natural Gas Company	Lease San Juan 28-5 No. 43
Location 1190'S, 1750'W, Sec. 25-28N-5W	County Rio Arriba State New Mexico
Formation Mesa Verde	Pool Blanco
Casing, Diameter 2-7/8" O.D. Set At Feet 6063	Tubing, Diameter No Tubing Set At Feet ----
Pay Zone, in ft. 5874 To 6000	Total Depth 6065 c/o 6057 Shut In 5-21-61
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing

Choke Size, in. 0.750"	Choke Constant, C 12.365	Tubingless Completion
Shut-In Pressure, P _{SI} 1101	PSIG - 12 - PSIA 1113 Days Shut-In 18	Shut-In Pressure, P _{SI} No Tubing PSIG - 12 - PSIA
Flowing Pressure, P _f 273	PSIG - 12 - PSIA 285	Working Pressure, P _w Calc. PSIG - 12 - PSIA 405
Temperature 98	Fr .9653 0.75	Eqv. Friction Factor 1.022 Gravity Est. .650 Fr .9608

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = (12.365)(285)(.9653)(.9608)(1.022)$$

3340

MCF/D

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

$$Aof = \left(\frac{1,238,769}{1,074,744} \right)^n (1.1526)^{.75} = (1.1105)(3340)$$

Aof

3709

MCF/D

Checked by: **Dannie Roberts**

Witnessed by:

Checked by: **R. L. Nickell, Jr.**



Lewis D. Galloway
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