

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 28, 1961

Operator El Paso Natural Gas Company	Lease San Juan 30-5 No. 35
Location 1840S, 1650W, 7-30N-5W	County Rio Arriba State New Mexico
Field Mesaverde	Pool Blanco
Case 2-7/8 O.D. Set At. Feet 5591	Tubing Diameter No Tbg. Set At. Feet -
Flow Test 5310 To 5504	Total Depth 5600 c/o 5585 Shut In 6/11/61
Completion Sand/water Frac.	Flow Test X

Choke Coefficient .75	Choke Constant 12.365	"Tubingless Completion"
Shut-In Pressure, Well 1196 PSIG - 12 - PSIA	Days Shut-In 17	Shut-In Pressure, Tubing - PSIG - 12 - PSIA
Flowing Pressure 231 PSIG - 12 - PSIA	Working Pressure Calc.	Working Pressure 339 PSIG - 12 - PSIA
Temperature 98 F	Exp. From Tables 1.014	Est. .578 Fg 1.021
Flowing Pressure 9653		

CHOKED VOLUME $Q = C \times P_r \times F_g \times F_v$

$$Q = 12.365 \times 243 \times .9653 \times 1.021 \times 1.014$$

3003 MCF/D

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

$$Q = \left(\frac{1459264}{1344343} \right)^n$$

$$1.0854^{.75} \times 3003 = 1.0634 \times 3003$$

Aut 3193 MCF/D

R. F. Headrick

Checked By W. D. Dawson



Lewis D. Galloway
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