

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 13, 1956

Operator J. Glenn Turner	Well Turner State #11-36
Location 1685S, 800E, 36-26-8	County San Juan State New Mexico
Formation Pictured Cliffs	Field Ballard
Casing Diameter 5 1/2 Set At: Feet 2307	Tubing Diameter 1 Set At: Feet 2281
Pay Zone: Feet 2174	Total Depth Plug Back 2299
Stimulation Method Sand Water Frac	Flow Through Casing X Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant, C 14.1605	Shut-In Pressure, Tubing 643 PSIG	Shut-In Pressure, Casing 655 PSIG
Flowing Pressure, Tubing 66	Flowing Pressure, Casing 78	Flowing Pressure, Pw 66	Flowing Pressure, Pwf 66
Temperature, T 58	Temperature, T 0.850	Pressure, Pw 1.009	Pressure, Pwf 1.009
		Gravity 650	

CHOKE VOLUME $Q = C \times P_r \times R \times F_v \times F_g$

$$C = 14.1605 \times 78 \times 1.0019 \times .9608 \times 1.009$$

1073

MCF/D

OPEN FLOW $Q = \left(\frac{P_r^2 - P_w^2}{P_r^2 - P_a^2} \right)^{1/n}$

$$Q = \left(\frac{429,025 - 422,941}{429,025 - 422,941} \right)^{1/n}$$

$$1.0143 = 1.0121 \times 1073$$

1086

MCF/D

Tom Grant (EPNG)

Virgil Stoabs (BMG)

cc: Benson-Montin (L)



L. D. Galloway

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