

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE July 3, 1957

Operator El Paso Natural Gas Company		Lease Rincon No. 85	
Location 1650'N, 890'E, Sec. 15-27-7		County Rio Arriba	State New Mexico
Formation Pictured Cliff Side		Pool Wildcat	
Casing: Diameter 5 1/2	Set At: Feet 5755	Tubing: Diameter 1 1/4	Set At: Feet 3318
Pay Zone: From 3278	To 3326	Total Depth: Packer at 3561	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Packer at 3561	
Shut-In Pressure, Casing, PSIG 929	- 12 = PSIA 931	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 929	- 12 = PSIA 931	
Flowing Pressure: P, PSIG 157	- 12 = PSIA 169		Working Pressure: P _w , PSIG 162	- 12 = PSIA 174	
Temperature: T, °F 66	n = 0.850		F _{pv} (From Tables) 1.015	Gravity 0.650	

Shut-in pressure tubing M.V. 1056. Final shut-in pressure tubing M.V. - 1056 psig.

CHOKE VOLUME = $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$$Q = 12.365 \times 169 \times .9943 \times .9608 \times 1.015 = 2026 \text{ MCF/D}$$

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

$$Aof = \left(\frac{866,761}{836,485} \right)^{.85} = 1.0361^{.85} \times 2026 = 1.0306 \times 2026$$

$$Aof = 2088 \text{ MCF/D}$$

TESTED BY Tom Grant

WITNESSED BY _____

L. D. Galloway
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