

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE July 17, 1957

Operator El Paso Natural Gas		Lease Rincon No. 88	
Location 1750'N, 1650'E, Sec. 13-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 3398	Tubing: Diameter 2"	Set At: Feet 5555
Pay Zone: From 4910	To 5576	Total Depth: 5680 - c/o 5620	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1036 PC	• 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing PSIG 1088
Flowing Pressure: P PSIG 272	• 12 = PSIA	284	Working Pressure: Pw PSIG Calculated
Temperature: T °F 63	n =	0.750	Fpv (From Tables) 1.028
			Gravity 650

CHOKE VOLUME - $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 284 \times .9971 \times .9608 \times 1.028 = 3458 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,210,000}{886,239} \right)^{.75} \times 3458 = 1.2627 \times 3458$$

$$Aof = 4366 \text{ MCF/D}$$

TESTED BY Tom GrantWITNESSED BY Fred Cook, Oil Conservation Commission

cc: E. J. Coel, Jr. (6)

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