

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 15, 1960

Operator El Paso Natural Gas Company		Lease San Juan 30-5 Unit No. 29-14	
Location 1840N, 1840E; 14-30N-5W		County Rio Arriba	State New Mexico
Formation Mesaverde		Pool Blanco MV	
Casing: Diameter 7-5/8	Set At: Feet 3823	Tubing: Diameter 2"	Set At: Feet 6003
Pay Zone: From 5784	To 6010	Total Depth: 6065 e/o 6020	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X
		Shut-In 6/17/60	

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" liner from 3748 to 6065	
Shut-In Pressure, Casing, PSIG 1226	+ 12 = PSIA 1238	Days Shut-In 28	Shut-In Pressure, Tubing PSIG 1178	+ 12 = PSIA 1190	
Flowing Pressure: P PSIG 305	+ 12 = PSIA 317		Working Pressure: P _w PSIG 806	+ 12 = PSIA 818	
Temperature: T °F 74	n = .75		F _{pv} (From Tables) 1.024	Gravity Est. .615	P_{sp} .9877

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

$$Q = 12.365 \times 317 \times .9868 \times .9877 \times 1.024 = \underline{3,912} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1532644}{863520} \right)^n = 1.7748^{.75} \times 3912 = 1.5380 \times 3912$$

$$Aof = \underline{6017} \text{ MCF/D}$$

TESTED BY D. Mortenson

WITNESSED BY _____

Checked By H. L. Kendrick

Lewis D. Galloway
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