

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **November 30, 1956**

Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit #16	
Location 990' S & W, Sec. 23-27-5		County Rio Arriba	State New Mexico
Formation Mesaverde		Pool Blanco Mesaverde	
Casing Diameter 5½	Set At: Feet 5635	Tubing Diameter 2	Set At: Feet 5577
Pay Zone: From 4998	To 5474	Total Depth: 5639 c/o 5595	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1108	12 - PSIA 1120	Days Shut-In 11	Shut-In Pressure, Tubing, PSIG 1107
Flowing Pressure: P, PSIG 184	12 - PSIA 196	Working Pressure: P _w , PSIG 478	12 - PSIA 490
Temperature: T, F 68	F, In 0.750	Fpv (From Tables) 1.018	Gravity 0.650

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$ $14.1605 \times 196 \times .9924 \times .9608 \times 1.018$ **2649** MCF/DOPEN FLOW $A_{of} = \left(\frac{P_c^2 - P_w^2}{P_c^2} \right)^n$

$$A_{of} = \left(\frac{1,254,400 - 1,014,300}{1,254,400} \right)^{.75} \times 1.2367 \times 2694 = 1.1730 \times 2694$$

A_{of} **3160** MCF/DTESTED BY **Tom Grant (EPNG)**WITNESSED BY **N. A. Neely (N.A. Neely Well Production Co.)**cc: **N. A. Neely**
L. D. Galloway
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