

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 5, 1957

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-5 No. 23	
Location 1650'N, 990'E, Sec. 28-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5 1/2	Set At: Feet 5865	Tubing: Diameter 2"	Set At: Feet 5821
Pay Zone: From 5314	To 5842	Total Depth: 5880 - c/o 5850	
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 1028	2 - PSIA 1040	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG 1028
Flowing Pressure: P, PSIG 304	12 - PSIA 316		Working Pressure: P _w , PSIG 719
Temperature: T 77			Gravity 0.691
	0.75		1.032

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{av}$

$$C = 12.365 \times 316 \times .9840 \times .9325 \times 1.032 = 3700 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,081,600}{547,239} \right)^n \times 1.976^{.75} \times 3700 = 1.666 \times 3700$$

$$A_{of} = 6164 \text{ MCF/D}$$

TESTED BY S. V. Roberts

WITNESSED BY _____

L. D. Galloway
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