

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 23, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit # 22	
Location 1140'S, 990'W, Sec. 21-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5½	Set At: Feet 5880	Tubing: Diameter 2"	Set At: Feet 5808
Pay Zone: From 5160	To 5730	Total Depth: 5890 - c/o - 5840	
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 1097	PSIG - 12 = PSIA 1109	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 1097
Flowing Pressure: P PSIG 353	PSIG - 12 = PSIA 365		Working Pressure: Pw PSIG 818
Temperature: T 75	F n = 0.750		Fpv (From Tables) Gravity 1.033 650

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

$$Q = 12.365 \times 365 \times .9859 \times .9608 \times 1.033 = \underline{4416} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1,229,881}{540,981} \right)^n = 2.2734^{.75} \times 4416 = 1.850 \times 4416$$

Aof 8170 MCF/D

TESTED BY Tom Grant

WITNESSED BY _____

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION**AZTEC DISTRICT OFFICE**No. Copies Received **3****DISTRIBUTION**

	NO. FURNISHED	
Operator		
Santa Fe	1	
Operation Office	1	
Field Land Office		
U. S. G. S.		
Transporter		
File	1	✓