

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 17, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit No. 16	
Location 990'N, 990'E, Sec. 16-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing Diameter 7-5/8	Set At: Feet 3672	Tubing: Diameter 2	Set At: Feet 5838
Pay Zone From 5741	To 5853	Total Depth: 5920 - c/o 5870	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 3/4	Choke Constant: C 12.365		5-1/2" liner - 5914	
Shut-In Pressure, Casing, PSIG 1002	- 12 = PSIA 1014	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 1002	- 12 = PSIA 1014
Flowing Pressure: P, PSIG 234	- 12 = PSIA 246		Working Pressure: Pw, PSIG 591	- 12 = PSIA 603
Temperature: T, F 71			Fov. From Tables 1.024	Gravity 0.670

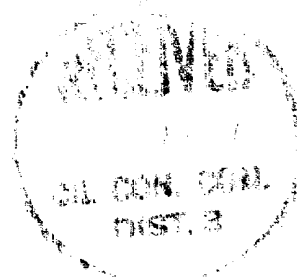
CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 246 \times .9896 \times .9463 \times 1.024 = 2917 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,028,196}{664,587} \right)^n \cdot 1.5471^{.75} \times 2917 = 1.3875 \times 2917$$

$$Aof = 4047 \text{ MCF/D}$$

TESTED BY Richard Proctor

WITNESSED BY _____

L. D. Galloway
L. D. Galloway by TGG

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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