

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETIONDATE November 19, 1957

Operator El Paso Natural Gas		Lease Warren No. 2-A (M)	
Location 917'N, 1125'E, Sec. 23-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8 5-1/2" liner	Set At: Feet 4875 2521 - 4919	Tubing: Diameter 2"	Set At: Feet 4756
Pay Zone: From 4422	To 4801	Total Depth: 4917 - c/o 4875	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG PC 824	- 12 = PSIA 836	Days Shut-In 7	Shut-In Pressure, Tubing PSIG MV 1032
Flowing Pressure: P PSIG 320	- 12 = PSIA 332	Working Pressure: Pw PSIG Calculated	- 12 = PSIA 633
Temperature: T °F 67	n .750	Fpv (From Tables) 1.040	Gravity .715

Final SIPC (PC) - 828 psig. Packer at 2635. Sleeve at 2477

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

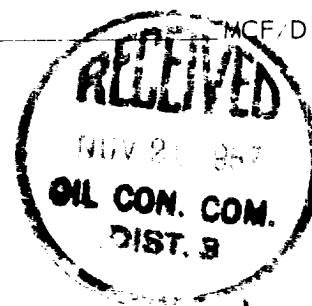
$$Q = 12.365 \times 332 \times .9933 \times .9161 \times 1.040$$

3885

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

$$A_{of} = \left(\frac{1,089,936}{689,247} \right)^n \quad 1.5813^{.75} \times 3885 = 1.4110 \times 3885$$

$$A_{of} = 5482 \text{ MCF/D}$$

TESTED BY: R. R. Davis

Medium fog first 2-1/2 hours of test period.
Heavy fog last 1/2 hour of test period.

WITNESSED BY: _____

cc: E. S. Oberly (6)

L. D. Galloway
L. D. Galloway

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