

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 28, 1957

Operator El Paso Natural Gas Company		Lease Florance No. 3-C	
Location 1450'S, 1750'W, Sec. 19-28-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2252	Tubing: Diameter 2"	Set At: Feet 4450
Pay Zone: From 4116	To 4552	Total Depth 4605 - c/o 4560	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365	5-1/2" liner. 2211 - 4600	
Shut-in Pressure, Casing, PSIG PC 847	- 12 - PSIA 859	Days Shut-In 21	Shut-in Pressure, Tubing PSIG 1077
Flowing Pressure: P PSIG 408	- 12 - PSIA 420	Working Pressure: Pw PSIG Calculated	- 12 - PSIA 786
Temperature: T F 72	n 0.75	Fpv (From Tables) 1.049	Gravity .715

Initial SIPC (PC) - 847 psig; final - 850 psig. 1-1/4" at 2315. Packer at 2410. Sleeve at 2160 (upside down)

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

$$Q = 12.365 \times 420 \times .9887 \times .9161 \times 1.049 \quad 4934 \quad \text{MCF/D}$$

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

$$Aof \left(\frac{1,185,921}{508,125} \right)^n \cdot 2.0374^{.75} \times 4934 = 1.756 \times 4934$$

$$Aof \quad 8565 \quad \text{MCF/D}$$

PREPARED BY S. V. Roberts

WITNESSED BY _____

cc: E. S. Oberly (6)

L. D. Galloway
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