

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

OWWO

DATE August 16, 1957

Operator El Paso Natural Gas Company		Lease Sunray No. 1-C	
Location NE 1-30-11		County San Juan "	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2	Set At: Feet 4741	Tubing: Diameter 2	Set At: Feet 4772
Pay Zone: From 4810	To 4930	Total Depth: Cleanout - 4945	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	3-1/2 drill pipe liner 4690 to 4946	
Shut-In Pressure, Casing, PSIG 811	PSIA 12	Days Shut-In 7	Shut-In Pressure, T PSIG 811
Flowing Pressure: P PSIG 212	PSIA 12	Working Pressure: Pw PSIG 474	PSIA 12
Temperature: T 73	F .75	Fpv From Tables 1.021	Gravity 658

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

$$Q = 12.365 \times 224 \times .9877 \times .9571 \times 1.021 = 2673 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{677,329}{441,133} \right)^n \quad 1.5354^{.75} \times 2673 = 1.379 \times 2673$$

$$A_{of} = 3686 \text{ MCF/D}$$

TESTED BY K. C. McBride and R. Proctor

WITNESSED BY _____

L. D. Galloway
L. D. Galloway



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