

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 9, 1958

Operator El Paso Natural Gas Company		Lease Sunray No. 2-D	
Location 1650'N, 990'E, Sec. 21-30-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8	Set At: Feet 3092	Tubing: Diameter 2"	Set At: Feet 5209
Pay Zone: From 5046	To 5280	Total Depth: 5386	
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. 3067 - 5385	
Shut-In Pressure, Casing, PSIG 1033	- 12 - PSIA 1045	Days Shut-In 19	Shut-In Pressure, Tubing PSIG 1036	- 12 - PSIA 1048	
Flowing Pressure: P PSIG 275	- 12 - PSIA 287		Working Pressure: Pw PSIG 668	- 12 - PSIA 680	
Temperature: T °F 64	In .75		Fpv (From Tables) 1.032	Gravity .699	

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

$$Q = 12.365 \times 287 \times .9962 \times .9292 \times 1.032 = 3390 \text{ MCF D}$$

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

$$A_{of} = \left(\frac{1,098,304}{635,904} \right)^n \cdot 1.7271^{.75} \times 3390 = 1.5060 \times 3390$$

$$A_{of} = 5105 \text{ MCF D}$$

TESTED BY Frank Clark

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

CONFIDENTIAL

ADMISSION

SERVICE

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