

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

CORRECTED COPY

DATE

November 5, 1958

Company El Paso Natural Gas		Lease Phillips No. 2	
Location 1740N, 940W; 32-28-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated S. Blanco P.C.	
Casing Diameter 5-1/2	Set At: Feet 3109	Tubing Diameter 1-1/4	Set At: Feet 3044
Pay Zone From 3010	To 3062	Total Depth 3088	Shut in 9/8/58
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, inches .75	Choke Number 12.365	Shut-In Pressure, Topping 833	PSIG	PSIA 845
Flowing Pressure, Casing 833	Flowing Pressure, Tubing 845	Working Pressure, Flow 268	PSIG	PSIA 280
Flowing Pressure, P 257	Flowing Pressure, T 269	Flowing Pressure, Fw 268	PSIG	PSIA 280
Temperature 62	Gravity .85	Flowing Pressure, Fw 1.024	PSIG	PSIA .638

CHOKE VOLUME $Q = C \times P \times F \times F_p \times F_{v_1}$

$$C (12.365 \times 269 \times .9981 \times .9721 \times 1.024$$

3305

MCF/D

OPEN FLOW Ad =

$$\left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$\left(\frac{714,025}{635,625} \right)^n$$

$$(1.1233)^{.85} (3305) = (1.104)(3305)$$



Ad = 3649 MCF/D

Previously submitted Phillips State No. 2

S. V. Roberts

Lewis D. Galloway
L. D. Galloway

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