

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE December 1, 1958

Operator El Paso Natural Gas		Lease Grambling 3-A OWWO	
Location 1650N, 1650E; 28-28-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7"	Set At Feet 3817	Tubing Diameter 2"	Set At Feet 4552
Casing Depth 3887	To 4586	Total Depth c/o 4591	Shut in 11/24/58
Producing Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, inches .75	Choke Constant, C 12.365	5-1/2 liner 3773 - 4607	
Shut-In Pressure, P _{si} 1009	PSIG 2 PSIA 1021	Shut-In Pressure, P _{si} 1005	PSIG 12 PSIA 1017
Flowing Pressure, P _{si} 129	PSIG 12 PSIA 141	Working Pressure, P _w 320	PSIG 12 PSIA 332
Temperature, T 63	T _f .75	Flow From Tables 1.015	Gravity .695

CHOKE VOLUME = $Q = C \times P_r \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 141 \times .9971 \times .9292 \times 1.015 = 1639 \text{ MCF/D}$$

$$Q_{OF} = Q \left(\frac{P_r^2}{P_c^2 - P_w^2} \right)^{1/n}$$

$$Q_{OF} = \left(\frac{1042441}{932217} \right)^{1/1.1182} (1639) = 1.0874 (1639)$$

$$Q_{OF} = 1782 \text{ MCF/D}$$

TESTED BY: **M. W. Rischard**

WITNESSED BY:

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Cases	3	
1915-16		
1915-16		
Operator		
Sand	/	
Proportion		
State Law		
U.S. B. L.	/	
Transp.		
File	/	✓