

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 17, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 71	
Location 800'N, 1600'E, Sec. 13-28-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8	Set At: Feet 3602	Tubing: Diameter 2"	Set At: Feet 5725
Pay Zone: From 5220	To 5720	Total Depth: 5815	
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. 3557 to 5824	
Shut-In Pressure, Casing, PSIG 1103	PSIG 12 PSIA 1115	Days Shut-In 44	Shut-In Pressure, Tubing, PSIG 12 PSIA 1115
Flowing Pressure, P, PSIG 395	PSIG 12 PSIA 407	Working Pressure, P _w , PSIG 12 PSIA 901	Gravity 913
Temperature: T 65	F .75	F _{pv} (From Tables) 1.042	Gravity .670

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

$$Q = 12.365 \times 407 \times .9952 \times .9463 \times 1.042$$

4939

MCF/D

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

$$A_{of} = \left(\frac{1,243,225}{409,656} \right)^n \times 3.0348 \cdot 75 \times 4939 = 2.2980 \times 4939$$

A_{of} 11,350 MCF/DTESTED BY Frank M. Clark

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION**AZTEC DISTRICT OFFICE**

No. Copies Received

3

DISPATCHED

Operator

Santa Fe

Production Office

State No. 1000

J. S. G. S.

Transporter

File

