

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 16, 1958

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit 60	
Location 1650N, 990E, 20-32-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8"	Set At: Feet 3949'	Tubing: Diameter 2"	Set At: Feet 6143'
Pay Zone: From 5864'	6146'	Total Depth: 6195'	Shut-In 5/3/58 Flow Through Tubing X
Stimulation Method Sand Water Frac		Flow Through Casing	

Choke Size, Inches .75	Choke Constant: C 12.365	5-1/2" Liner 3882' - 6192'	
Shut-In Pressure, Casing, PSIG 970	12" PSIA 982	Days Shut-In	Shut-In Pressure, Tubing, PSIG 965
Flowing Pressure: P, PSIG 225	12" PSIA 237		977
Temperature, T 69	.75	Working Pressure: P _w , PSIG 585	597
		F _{pv} (From Tables) 1.018	Gravity .600

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

$$Q_c = 12.365 \times 237 \times .9915 \times 1.0000 \times 1.018 = 2958 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{964,324}{607,915} \right)^n (1.5862)^{.75} (2958) = 1.4140 \times 2958$$

$$A_{of} = 4183 \text{ MCF/D}$$

TESTED BY Frank Clark

WITNESSED BY _____

Checked By H. L. Kendrick

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION	
DISTRICT OFFICE	
No. 100-1-1000	
Date: 10/1/50	
To: Mr. J. H. ...	
From: Mr. J. H. ...	
Subject: ...	
C. G. ...	
T. H. ...	
7/10	
/	
✓	