

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 20, 1957

Operator El Paso Natural Gas		Lease Abraham No. 3	
Location 1090'S, 990'W, Sec. 13-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2	Set At: Feet 5464	Tubing: Diameter 2	Set At: Feet 5414
Pay Zone: From 5042	To 5440	Total Depth: 5430 - c/o 5450	
Stimulation Method Sand Water Frac. "		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 1157	12 - PSIA 1169	Days Shut-In 36	Shut-In Pressure, Tubing, PSIG 1154
Flowing Pressure: P, PSIG 219	12 - PSIA 231		Working Pressure: P _w , PSIG 743
Temperature: T, F 68	n .750		F _{pv} (From Tables) 1.016
			Gravity 580

CHOKE VOLUME : Q C x P_i x F_i x F_g x F_v

Q 12.365 x 231 x .9924 x 1.017 x 1.016 2929 MCF/D

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

$$\text{Aof } \left(\frac{1,366,561}{796,536} \right)^n 1.7156^{.75} \times 2929 = 1.4990 \times 2929$$

Aof 4391 MCF/D

TESTED BY T. B. Grant and Jess Goodwin

WITNESSED BY

L. D. Galloway



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. FURNISHED	
Inspector		
Santa Fe	1	
Protraction Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓