

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 21, 1957

Operator El Paso Natural Gas		Lease Michener # 5-A	
Location 1090°N, 600°E, Sec. 31-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At Feet 4340	Tubing Diameter 2"	Set At Feet 4505
Flow Zone From 4404	To 4509	Total Depth 4685 - c/o - 4600	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	5 1/2" Liner - 4274 - 4681
Shut-In Pressure, Casing, PSIG 1032	PSIG 12 PSIA 1044	Days Shut-in 25
Shut-In Pressure, Tubing, PSIG 1031	PSIG 12 PSIA 1043	
Flowing Pressure, P 165	PSIG 12 PSIA 177	Working Pressure, Pw 496
Temperature, T 68	F .75	Flow From Tables 1.02
		Gravity .72

CHOKE VOLUME $Q = C \times P \times F \times F_g \times F_v$

$$Q = 12.365 \times 177 \times .9924 \times .9129 \times 1.02$$

2022

MCF D

$$OPEN FLOW AOF = Q \left(\frac{P_1}{P_2} \right)^n$$

$$AOF = \left(\frac{1,089,936}{831,872} \right)^n = 1.31^{.75} \times 2022 = 1.2242 \times 2022$$

AOF 2475

MCF D

K. C. McBride and S. V. Roberts



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received	3	
DISTRIBUTION		
Operator	/	
Santa Fe	/	
Proration Office		
State Land Office		
U. S. G. S.		
Transporter		
File	/	✓