

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 14, 1957

Operator El Paso Natural Gas Company		Lease San Juan 30-4 No. 17	
Location 950'N, 890'E, Sec. 17-30-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool East Blanco	
Casing: Diameter 5-1/2	Set At: Feet 4440	Tubing: Diameter 2"	Set At: Feet 4067
Pay Zone: From 4075	To 4372	Total Depth: 4451 - c/o 4390	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1228	- 12 - PSIA 1240	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG 1228	- 12 - PSIA 1240	
Flowing Pressure: P, PSIG 245	- 12 - PSIA 257		Working Pressure: P _w , PSIG 507	- 12 - PSIA 519	
Temperature: T, °F 69	n .850		F _{pv} (From Tables) 1.019	Gravity 0.605	

CHOKE VOLUME : Q = C x P_i x F_i x F_g x F_{pv}

$$Q = 12.365 \times 257 \times .9915 \times .9958 \times 1.019 = \underline{3197} \text{ MCF/D}$$

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

$$Aof \left(\frac{1,537,600}{1,268,239} \right)^n \cdot 1.2123^{.85} \times 3197 = 1.1780 \times 3197$$

$$Aof = \underline{3766} \text{ MCF/D}$$

TESTED BY Jess Goodwin

WITNESSED BY _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION		
DISTRICT OFFICE		
No. <u>2</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Land Office	1	
Production Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓