

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE September 13, 1957

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit 48	
Location 17505 1650W 14-32-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7 5/8	Set At: Feet 3769	Tubing: Diameter 2"	Set At: Feet 5882
Pay Zone: From 5610	To 5886	Total Depth: 6039 c/o 5900	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing x

Choke Size, inches .750		Choke Constant: C 12.365		5 1/2 @ 6006'	
Shut-In Pressure, Casing, PSIG 921	+ 12 = PSIA 933	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 921	+ 12 = PSIA 933	
Flowing Pressure: P, PSIG 236	+ 12 = PSIA 248		Working Pressure: P _w , PSIG 630	+ 12 = PSIA 642	
Temperature: T, F 75	n .75		F _{pv} (From Tables) 1.019	Gravity .628	

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

$$Q = 12.365 \times 248 \times .9859 \times .9798 \times 1.019 = 3018 \text{ MCF/D}$$

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

$$Aof = \left(\frac{870489}{458325} \right)^n = 1.8992^{.75} \times 3018 = 1.6150 \times 3018$$

$$Aof = 4874 \text{ MCF/D}$$

TESTED BY Richard Proctor

WITNESSED BY _____



L. D. Galloway
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AZTEC DISTRICT OFFICE

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