

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 28, 1957

Operator El Paso Natural Gas Company		Lease Ripley # 3	
Location 1090'N, 890'E, Sec. 24-27-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5½	Set At: Feet 5588	Tubing: Diameter 2	Set At: Feet 5531
Pay Zone: From 5384	To 5518	Total Depth: 5600 - c/o - 5550	
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 1121	- 12 = PSIA 1133	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 1104	- 12 = PSIA 1116	
Flowing Pressure: P PSIG 184	- 12 = PSIA 196		Working Pressure: Pw PSIG 488	- 12 = PSIA 500	
Temperature: T 74			Fpv (From Tables) 1.018	Gravity .650	

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

$$Q = 12.365 \times 196 \times .9868 \times .9608 \times 1.018 = 2339$$

MCF/D

OPEN FLOW Aof Q

$$\left(\frac{P_c^2}{P_c - P_w} \right)^n$$

$$Aof = \left(\frac{1,283,689}{1,033,689} \right)^n = 1.2418^{.75} \times 2339 = 1.1763 \times 2339$$

Aof 2751 MCF/DTESTED BY Tom Grant

WITNESSED BY _____

L. D. Galloway
L. D. Galloway



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