

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 1, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla # 2-J	
Location 990'N, 1650'E, Sec. 20-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing: Diameter 5 1/2	Set At: Feet 3283	Tubing: Diameter 1 1/4	Set At: Feet 3124
Pay Zone: From 3079	To 3140	Total Depth: 3284	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365	
Shut-in Pressure, Casing, PSIG 1025	12 PSIA 1037	Days Shut-In 35	Shut-in Pressure, Tubing, PSIG 1025
Flowing Pressure: P, PSIG 321	12 PSIA 333		Working Pressure: Pw, PSIG 337
Temperature: T, F 62			Gravity 650
			Epv. From Tables 1.033

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

$$Q = 12.365 \times 333 \times .9981 \times .9608 \times 1.033$$

4079

MCF D

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

$$Aof = \left(\frac{1,075,369}{953,568} \right)^n \cdot 1.1277^{.85} = 1.1073 \times 4079 = 4517$$

Aof 4517 MCF DTESTED BY R. A. UllrichWITNESSED BY Virgil Stoabs (J. Glenn Turner)

cc: Virgil Stoabs (4)

L. D. Galloway
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