

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 29, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 4-J	
Location 1575'N, 1450'W, Sec. 19-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3068	Tubing: Diameter 1 1/4	Set At: Feet 3050
Pay Zone: From 2980	To 3040	Total Depth: 3069 - c/o 5054	
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 991	- 12 = PSIA 1003	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 993
Flowing Pressure: P 364	- 12 = PSIA 376		Working Pressure: P _w , PSIG 379
Temperature: T 71	F n .85		F _{pv} (From Tables) 1.037
			Gravity .655

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

$$Q = 12.365 \times 376 \times .9896 \times .9571 \times 1.037 = 4566 \text{ MCF/D}$$

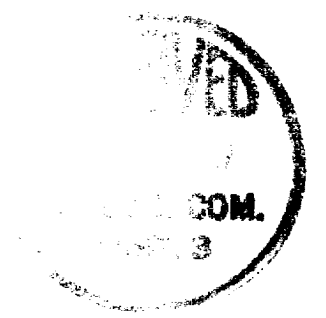
$$\text{OPEN FLOW } Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{1,010,025}{857,144} \right)^n = 1.1783^{.85} \times 4566 = 1.1498 \times 4566$$

$$Aof = 5250 \text{ MCF/D}$$

TESTED BY R. A. UllrichWITNESSED BY Virgil Stoabs (J. Glenn Turner)

cc: Virgil Stoabs (4)



L. D. Galloway

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