

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 25, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 76	
Location 890'S, 890'W, Sec. 23-28-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5 1/2	Set At: Feet 5740	Tubing: Diameter 2"	Set At: Feet 5686
Pay Zone: From 5136	To 5674	Total Depth: 5740	
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 1016	- 12 - PSIA 1028	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1006
Flowing Pressure: P, PSIG 336	- 12 - PSIA 348		Working Pressure: P _w , PSIG 805
Temperature: T 77	F _{in} .75		F _{pv} (From Tables) 1.033
			Gravity .675

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

$$Q = 12.365 \times 348 \times .9840 \times .9427 \times 1.033 = 4123 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,056,784}{389,295} \right)^n = 2.7146^{.75} \times 4123 = 2.114 \times 4123$$

$$Aof = 8716 \text{ MCF/D}$$

TESTED BY R. A. Ullrich

WITNESSED BY _____



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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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