

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 5, 1958

Operator El Paso Natural Gas		Lease San Juan 28-5 No. 28	
Location 1650N, 800E, 17-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 3613	Tubing: Diameter 2"	Set At: Feet 5749
Pay Zone: From 5616	To 5762	Total Depth: 5820	Shut-In 2-21-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12-365		5-1/2" Liner 3555 - 5827	
Shut-In Pressure, Casing, PSIG 1076	12 - PSIA 1088	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 1076	12 - PSIA 1088	
Flowing Pressure: P, PSIG 329	12 - PSIA	341	Working Pressure: P _w , PSIG 791	12 - PSIA 803	
Temperature: T, °F 67		75	F _{pv} (From Tables) 1.035	Gravity 0.670	

CHOKE VOLUME: $Q = C \times P_r \times F_c \times F_g \times F_{pv}$ $Q = 12.365 \times 341 \times .9933 \times 0.9463 \times 1.035 = 4102$ MCF/D

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

$$Aof = \left(\frac{1183744}{538935} \right)^n (2.1964) .75 \times 4102 = 1.8030 \times 4102$$

Aof 7396 MCF/DTESTED BY Jess Goodwin

WITNESSED BY _____

Checked By: H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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