

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 27, 1958

Operator El Paso Natural Gas Company		Lease San Juan 29-7- Unit No. 67	
Location 1150 S, 1840 W, 23-29-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8"	Set At: Feet 3288	Tubing: Diameter 2"	Set At: Feet 5373
Pay Zone: From 5260	To 5386	Total Depth: 5461 c/o to 5425	Set: 3-15-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75"		Choke Constant: C 12.365		5-1/2" liner at 3232 - 5461	
Shut-In Pressure, Casing, PSIG 1078	12 = PSIA 1090	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 1071	12 = PSIA 1083	
Flowing Pressure: P 415	Flowing Pressure: P 427		Working Pressure: P _w , PSIG 935	12 = PSIA 947	
Temperature: T 71	Flowing Pressure: P .75		F _{pv} (From Tables) 1.042	Gravity .665	

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

$$C = 12.365 \times 427 \times .9896 \times .9498 \times 1.042 = 5171 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1188100}{291291} \right)^n = 4.0787^{.75} \times 5171 = 2.870 \times 5171 =$$

Aof 14841 MCF DTESTED BY Frank M. Clark

WITNESSED BY _____

Checked By: H. L. Kendrick

Lewis D. Galloway
L. D. Galloway

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