

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 13, 1958

Operator El Paso Natural Gas Company		Case Mesa Verde Strat. Test No. 1	
Location 1500 S, 1500 E, 14-31N-11W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8 "	Set At: Feet 2873	Tubing: Diameter 2"	Set At: Feet 4963
Pay Zone: From 4310	To 4960	Total Depth: 5011	Shut-In 2/27/58
Stimulation Method Sand-Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	5-1/2 Liner at 4994	
Shut-In Pressure, Casing, PSIG 969	12 = PSIA 981	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 969
Flowing Pressure: P, PSIG 412	12 = PSIA 424	Working Pressure: P _w , PSIG 882	12 = PSIA 894
Temperature: T, F 76	F _n .75	F _{pv} (From Tables) 1.040	Gravity .664

CHOKE VOLUME = Q C x P_t x F_t x F_g x F_{pv}

Q = 12.365 (424) (.9850) (.9535) (1.040) = 5,121 MCF D

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

$$\text{Aof } \left(\frac{962361}{163125} \right)^n = (5.8995)^{.75} (5,121) = (3.7820) (5121)$$

Aof 19,368 MCF DTESTED BY R. R. Davis

WITNESSED BY _____



Lewis D. Galloway
L. D. Galloway

**OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE**

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