

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE September 6, 1957

Operator El Paso Natural Gas Company		Lease Bolack No. 9-C	
Location 1650'N, 990'E, Sec. 31-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7-5/8	Set At: Feet 4235	Tubing Diameter 2"	Set At: Feet 4373
Pay Zone: From 4330	To 4420	Total Depth: 4700 - c/o 4430	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner - 4182 to 4698	
Shut-In Pressure, Casing, PSIG PC 686	+ 12 = PSIA 698	Days Shut-In 9	Shut-In Pressure, Tubing PSIG MV - 1068	+ 12 = PSIA 1080	
Flowing Pressure: P PSIG 235	+ 12 = PSIA 247		Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 452	
Temperature: T F 75	n = 0.75		F _{pv} (From Tables) 1.026	Gravity 0.717	

SIPC (PC) - Final - 687 psig. Packer at 4220. Sleeve at 2091 1-1/4" at 2070

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

$$Q = 12.365 \times 247 \times .9859 \times .9161 \times 1.026 = \underline{2830} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,166,400}{962,096} \right)^n = 1.2123^{.75} \times 2830 = 1.1557 \times 2830$$

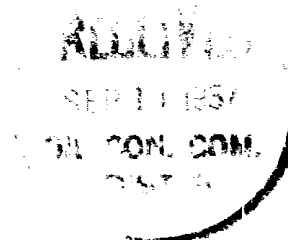
$$Aof = \underline{3271} \text{ MCF/D}$$

TESTED BY S. V. Roberts and Jess Goodwin

WITNESSED BY _____

cc: E. J. Coel, Jr. (6)

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

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