

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 6, 1967

Operator El Paso Natural Gas Company		Lease Bolin No. 1 (OWHO)	
Location 1090'N, 1550'E, Sec. 30, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5467	Tubing: Diameter 2.375	Set At: Feet 5405
Pay Zone: From 4670	To 5428	Total Depth: 5467	Shut In 10-29-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 851	+ 12 = PSIA 863	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 764	+ 12 = PSIA 776	
Flowing Pressure: P PSIG 329	+ 12 = PSIA 341		Working Pressure: P _w PSIG 748	+ 12 = PSIA 760	
Temperature: T = 70 °F	F _t = .9905	n = .75	F _{pv} (From Tables) 1.034	Gravity .685	F _g = .9359

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(341)(.9905)(.9359)(1.034) = \underline{4042} \text{ MCF/D}$$

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

$$Aof = \left(\frac{744,769}{167,169} \right)^{.75} = (4042)(4.4551)^{.75} = (4042)(3.0665)$$

NOTE: The well produced a light fog of water and dist. throughout the test.

$$Aof = \underline{12,395} \text{ MCF/D}$$

TESTED BY J. B. GoodwinCHECKED BY H. E. McAnally

WITNESSED BY _____

H. L. Kendrick
H. L. Kendrick

