

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 4, 1960

Operator Turner and Webb		Lease Turner McAdams No. 2-20	
Location 950N, 890W; 20-27-9		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 6963	Tubing: Diameter 2"	Set At: Feet 6830
Pay Zone: From 6804	To 6904	Total Depth: 6968	Shut In 8/27/60
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .75		Choke Constant: C 12.365			
Shut-in Pressure, Casing, PSIG 2000	+ 12 = PSIA 2012	Days Shut-in 8	Shut-in Pressure, Tubing PSIG 1992	+ 12 = PSIA 2004	
Flowing Pressure: P PSIG 294	+ 12 = PSIA 306		Working Pressure: P _w PSIG 804	+ 12 = PSIA 816	
Temperature: T = 76 °F	F _t = .9850	n = .75	F _{pv} (From Tables) 1.029	Gravity .670	F _g = .9463

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

$$Q = 12.365 \times 306 \times .9850 \times .9463 \times 1.029 = 3629 \text{ MCF/D}$$

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

$$Aof = \left(\frac{4048144}{338288} \right)^n = 3629 \times 1.1968^{.75} = 3629 \times 1.1442$$

$$Aof = 4152 \text{ MCF/D}$$

TESTED BY T. B. Grant
Virgil Stoabs (M)
 WITNESSED BY W. Kilgo (La Plata Gathering)



Lewis D. Galloway
 L. D. Galloway


