

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 12, 1969

Operator El Paso Natural Gas Company		Lease Russell No. 8	
Location 1650N, 1180W, S25-T28N-R8W		County San Juan	State New Mexico
Formation South Blanco		Pool Pictured Cliffs	
Casing: Diameter 2.875	Set At: Feet 2903	Tubing: Diameter No tubing	Set At: Feet -----
Pay Zone: From 2804	To 2824	Total Depth: 2903	Shut In 7-14-69
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 1009	+ 12 = PSIA 1021	Days Shut-In 29	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA -----	
Flowing Pressure: P PSIG 159	+ 12 = PSIA 171		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 213	
Temperature: T= 60 °F	n = 0.85		Fpv (From Tables) 1.015	Gravity .640	Fg = .9682

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

$$Q = 12.365 \times 171 \times 1.000 \times 1.015 \times .9682 = 2078 \text{ MCF/D}$$

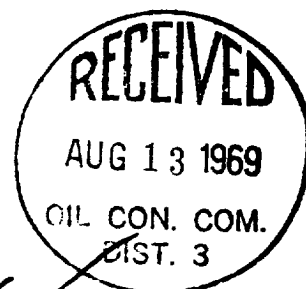
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

Note: Blew dry gas throughout test.

$$Aof = \left(\frac{1042441}{996967} \right)^n =$$

$$Aof = 2158 \text{ MCF/D}$$

TESTED BY _____ TDN
 Calculated
 WITNESSED BY _____ RES



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