

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

CORRECTED COPY

DATE October 2, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #193	
Location 1190'/S, 1646/E, Sec. 12, T27N, R6W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco Pictured Cliffs	
Casing: Diameter 2.875	Set At: Feet 3591'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3330'	To 3398'	Total Depth: PBD 3591' 3580	Shut In 9-25-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 619	+ 12 = PSIA 631	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 47	+ 12 = PSIA 59		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 75	
Temperature: T = 64 °F	F <sub>t</sub> = .9682	n = .85	F <sub>pv</sub> (From Tables) 1.007	Gravity .625	F <sub>g</sub> = .9798

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

$$Q = 12.365(59)(.9682)(.9798)(1.007) = \underline{710} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{398161}{392536} \right)^n = 697(1.0143)^{.85} = 697(1.0122)$$

$$Aof = \underline{719} \text{ MCF/D}$$

Note: Well blew dry gas throughout test.

TESTED BY Don Norton

WITNESSED BY \_\_\_\_\_

Loren W. Fothergill  
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Well Test Engineer

