

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 12-4-69

Operator El Paso Natural Gas Co.		Lease Filan No. 1 (OWWO)	
Location 1650 N, 800 E, S 5 T27N R8W		County San Juan	State New Mexico
Formation PC		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2246	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2157	To 2196	Total Depth: 2246	Shut In 11-24-69
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 621	+ 12 = PSIA 633	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 152	+ 12 = PSIA 164		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 196	
Temperature: T = 59 °F	Ft = 1.0010	n = .85	Fpv (From Tables) 1.015	Gravity .640	Fg = .9682

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

$$Q = (12.365)(164)(1.0010)(.9682)(1.015) = 1995 \text{ MCF/D}$$

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

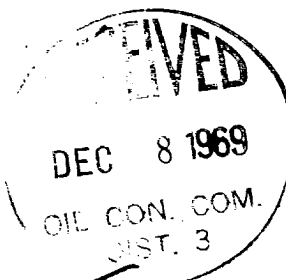
Note: The well produced dry gas throughout the test.

$$Aof = \left(\frac{400689}{362273} \right)^n = (1995)(1.1060)^{.85} = (1995)(1.0894)$$

$$Aof = 2173 \text{ MCF/D}$$

TESTED BY Bobby J. Broughton

WITNESSED BY _____



[Signature]