

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 26-1969

Operator El Paso Natural Gas Company		Lease S. J. 29-6 Unit No. 5 (OWWO)	
Location 990 S, 1650 W, S30-29N-6W		County San Juan	State New Mexico
Formation MV		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6086	Tubing: Diameter 2.375	Set At: Feet 5875
Pay Zone: From 5290	To 5870	Total Depth: 6086	Shut In 9-19-69
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 0.750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 838	+ 12 = PSIA 850	Days Shut-In	Shut-In Pressure, Tubing PSIG 332	+ 12 = PSIA 344	
Flowing Pressure: P [*] PSIG 201	+ 12 = PSIA 213		Working Pressure: P _w PSIG 714	+ 12 = PSIA 726	
Temperature: T = 68°F	Ft = 9924	n = 0.75	F _{pv} (From Tables) 1.019	Gravity .640	F _g = 9682

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

$$Q = 12.365 \times 213 \times .9924 \times .9682 \times 1.019 = 2579 \text{ MCF/D}$$

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

Note: Unload stream of water and distillate. Cleaned up in 3 min. and blew light mist of water and distillate rest of test.

$$Aof = \left(\frac{722500}{195424} \right)^n = (3.6971)^{.75} 2579 = 2.662 \times 2579$$

$$Aof = 6876 \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY _____



[Handwritten Signature]