

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 5, 1969

Operator El Paso Natural Gas Co.		Lease Canyon Largo Unit No. 150	
Location 800 N- 1180 W- S3-T25N-R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.375	Set At: Feet 3910	Tubing: Diameter no tubing	Set At: Feet
Pay Zone: From 371	To 3920	Total Depth: 3910	Shut In 10-20-69
Stimulation Method S W F		Flow Through Casing no	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		tubingless completion	
Shut-In Pressure, Casing, PSIG 810	+ 12 = PSIA 822	Days Shut-In 14	Shut-In Pressure, Tubing PSIG no tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 220	+ 12 = PSIA 232		Working Pressure: P _w PSIG 221	+ 12 = PSIA
Temperature: T = 50 °F	n =		F _{pv} (From Tables) 1.028	Gravity .650 F _g = .9608

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

$$Q = 12.365 \times 221 \times 1.0010 \times .9608 \times 1.028 = 2702 \text{ MCF/D}$$

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

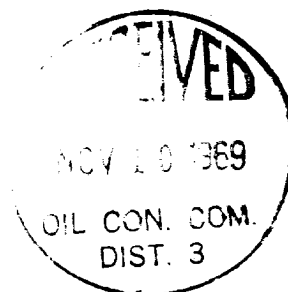
Note: Blew very light mist of water throughout test.

$$Aof = \left(\frac{746496}{660761} \right)^{.85} = (1.1297)^{.85} 2702 = 1.1092(2702)$$

$$Aof = 2997 \text{ MCF/D}$$

TESTED BY BJB

WITNESSED BY _____



[Handwritten signature]