

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 11, 1972

Operator El Paso Natural Gas Company		Lease Rincon No. 193	
Location 1650'S, 1650'W, Section 35, T27N, R7W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7558	Tubing: Diameter 2.375	Set At: Feet 7378
Pay Zone: From 7198	To 7412	Total Depth: 7558	Shut In 7-4-72
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 2379	+ 12 = PSIA 2391	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2260	+ 12 = PSIA 2272	
Flowing Pressure: P PSIG 372	+ 12 = PSIA 384		Working Pressure: P _w PSIG 905	+ 12 = PSIA 917	
Temperature: T = 84°F	F _t = .9777	n = .75	F _{pv} (From Tables) 1.033	Gravity .650	F _g = .9608

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

$$Q = (12.365)(384)(.9777)(.9608)(1.033) = \underline{4607} \text{ MCF/D}$$

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

NOTE: Well produced a heavy spray of condensate throughout test.

$$Aof = \left(\frac{5716881}{4875992} \right)^n = (4607)(1.1725)^{.75} = (4607)(1.1267) =$$

$$Aof = \underline{5191} \text{ MCF/D}$$

TESTED BY C. Rhames

WITNESSED BY _____



J. A. Jones
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