

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE August 4, 1966

Operator El Paso Natural Gas Company		Lease Jones No. 2 (ONWO)	
Location 1300'S, 920'W, Sec. 35, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5214	Tubing: Diameter 2.375	Set At: Feet 5078
Pay Zone: From 5477	To 5088	Total Depth: 5214	Shut In 7-28-66
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 832	+ 12 = PSIA 844	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 681	+ 12 = PSIA 693	
Flowing Pressure: P PSIG 215	+ 12 = PSIA 227		Working Pressure: P _w PSIG 630	+ 12 = PSIA 642	
Temperature: T = 75 °F	n = Ft = .9859		F _{pv} (From Tables) 1.022	Gravity .695	F _g = .9292

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

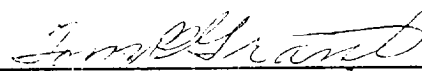
$$Q = (12.365)(227)(.9859)(.9292)(1.022) = \underline{2628} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{712,336}{300,172} \right)^n = (2628)(2.3730)^{.75} = (2628)(1.9119) = 5024$$

NOTE: Light spray of water and dist. throughout test.

$$A_{of} = \underline{5024} \text{ MCF/D}$$

TESTED BY A. J. LoleitCHECKED BY Hermon E. McAnally

 Tom B. Grant
