

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 17, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-5 Unit No. 18	
Location 815'S, 835'W, Sec. 11-28-5		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco Mesa Verde	
Casing: Diameter 7-5/8	Set At: Feet 4045	Tubing: Diameter 2	Set At: Feet 6218
Pay Zone: From 5768	To 6242	Total Depth: 6330 - c/o 6255	
Stimulation Method Sand water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750	Choke Constant: C 12.365		5-1/2 liner - 6316	
Shut-In Pressure, Casing, PSIG 1118	- 12 - PSIA 1130	Days Shut-In 54	Shut-in Pressure, Tubing, PSIG 1120	- 12 - PSIA 1132
Flowing Pressure: P tbg. 309	PSIG 321	- 12 - PSIA	Working Pressure: P _w csg. 745	PSIG 757
Temperature 75	F		Flow (From Tables) 1.032	Gravity .678

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{PV}$ $C \ 12.365 \times 321 \times .9866 \times .9427 \times 1.032 = 3811 \text{ MCF/D}$

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_1^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof \left(\frac{1,281,424}{708,375} \right)^n \quad 1.8089^{.75} \times 3811 = 1.5000 \times 3811$$

Aof 5945 MCF/DTESTED BY Richard Proctor

WITNESSED BY _____

cc: Bill Gonzales



L. D. Galloway
L. D. Galloway

