

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 13, 1971

Operator El Paso Natural Gas Company		Lease Jicarilla 183 No. 4	
Location 1800' S, 1650' E, S 28, T23N, R3W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 3199	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3037	To 3057	Total Depth: 3212	Shut In 9-4-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 476	+ 12 = PSIA 488	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P 186 PSIG	+ 12 = PSIA 198		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 251
Temperature: T = 60 °F	F _t = 1.0000	n = 0.85	F _{pv} (From Tables) 1.023	Gravity .715 F _g = .9161

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

$$Q = 12.365 \times 198 \times 1.000 \times .9161 \times 1.023 = \underline{2294} \text{ MCF/D}$$

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

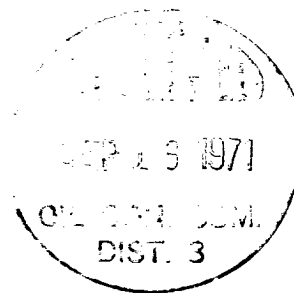
Note: Blew light fog of water for 3 hours.

$$Aof = \left(\frac{238144}{175143} \right)^{.85} = (1.3579)^{.85} \times 2294 = 1.2969 \times 2294$$

$$Aof = \underline{2975} \text{ MCF/D}$$

TESTED BY J. B. Goodwin

WITNESSED BY _____



 L. E. Mabe, Jr.