

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 28, 1966

Operator El Paso Natural Gas Company		Lease San Juan No. 10 (PC) (OWWO)	
Location 990'S, 990'W, Section 10, T-30-N, R-10-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 7.000	Set At: Feet 5293	Tubing: Diameter 1.660	Set At: Feet 3134
Pay Zone: From 3003	To 3130	Total Depth: 5617	Shut In 4-12-66
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Baker Model "N" Packer set at 3187'	
Shut-In Pressure, Casing, PSIG 605	+ 12 = PSIA 617	Days Shut-In 16	Shut-In Pressure, Tubing PSIG 606	+ 12 = PSIA 618
Flowing Pressure: P PSIG 147	+ 12 = PSIA 159		Working Pressure: P _w PSIG 156	+ 12 = PSIA 168
Temperature: T = 62 °F	F _t = .9981	n = .85	F _{pv} (From Tables) 1.014	Gravity .650 F _g = .9608

INITIAL SEPT (MV) = 740 PSIG

FINAL SEPT (MV) = 741 PSIG

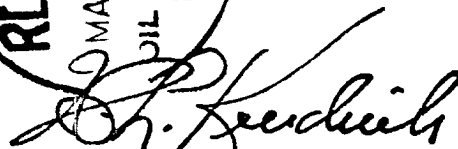
CHOKE VOLUME = Q = C × P_i × F_t × F_g × F_{pv}

$$Q = (12.365) (159) (.9981) (.9608) (1.014) = 1912 \text{ MCF/D}$$

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

$$Aof = \left(\frac{381,924}{353,700} \right)^n = (1912) (1.0797)^{.85} = (1912) (1.0674)$$

NOTE: Well Produced dry Gas.

Aof = 2041 MCF/DTESTED BY Don NortonCALCULATED BY H. E. McAnallyWITNESSED BY Walter CassidaCHECKED BY Walter Cassida

 H. L. Kendrick