

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 7-01-69

Operator El Paso Natural Gas		Lease Huerfano Unit No. 163 (OWWO)	
Location 800' S, 1800 E, Sec. 19, T-26-N, R-9-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6720	Tubing: Diameter 2.375	Set At: Feet 6454
Pay Zone: From 6466	To 6572	Total Depth: 6720	Shut In 6-21-69
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 2.75" Plate 4" M. R.		Choke Constant: C			
Shut-In Pressure, Casing, PSIG 1131	+ 12 = PSIA 1143	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 1131	+ 12 = PSIA 1143	
Flowing Pressure: P PSIG 16 MR 51 WH	+ 12 = PSIA 28 MR 63 WH		Working Pressure: Pw PSIG 333	+ 12 = PSIA 345	
Temperature: T = 94 °F	Ft = .9688	n = 0.750	Fpv (From Tables) 1.003	Gravity .750	Fg = 1.1547

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

$$Q = \text{Calc. from orifice meter reading} = \underline{\quad 779 \quad} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1306449}{1187424} \right)^n = (1.1002)^{.75} 604 = 1.0743 (779)$$

Note: No Fluids produced during test.

$$Aof = \underline{\quad 837 \quad} \text{ MCF/D}$$

TESTED BY CRW - RES - RF
Calc.

WITNESSED BY RF - RES



H. L. Kendrick
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