

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 31, 1968

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 127-Y	
Location 890'N, 1650'W, Sec. 26, T-26-N, R-10-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6881	Tubing: Diameter 2.375	Set At: Feet 6619
Pay Zone: From 6647	To 6735	Total Depth: 6890	Shut In 7-24-68
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 2.750" Plate 4" IR	Choke Constant: C 41.9908		Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1895	+ 12 = PSIA 1907	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1895	+ 12 = PSIA 1907
Flowing Pressure: P PSIG 422 WH; 195 MR	+ 12 = PSIA 434 WH; 207 MR		Working Pressure: P _w PSIG 1094	+ 12 = PSIA 1106
Temperature: T = 71 °F F _t = 95.86	n = .75		F _{pv} (From Tables) 1.022	Gravity .700 F _g = 1.1952

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

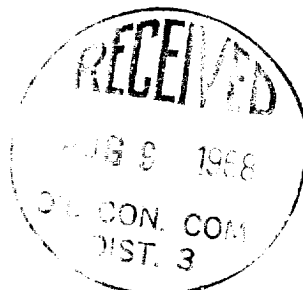
$$Q = \text{Calculated from orifice meter readings} = \underline{5239} \text{ MCF/D}$$

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

$$Aof = \left(\frac{3636649}{2413413} \right)^n = (5239)(1.5068)^{.75} = (5239)(1.3600)$$

NOTE: The well produced 55.32 bbls. of 49.7 API Gravity oil during the three hour test.

$$Aof = \underline{7125} \text{ MCF/D}$$

TESTED BY C. R. WagnerCalculated
WITNESSED BY H. E. McAnally

H. L. Hendrick
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