

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 27, 1967

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 165	
Location 990'S, 1750'E, Sec. 30, T-26-N, R-9-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6650	Tubing: Diameter 2.375	Set At: Feet 6564
Pay Zone: From 6492	To 6584	Total Depth: 6650	Shut In 4-4-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 2 1/2" Plate 4" M. R.		meter Choke Constant: C 33.293		Tested thru 3/4" variable choke	
Shut-In Pressure, Casing, 1953	PSIG	+ 12 = PSIA 1965	Days Shut-In 23	Shut-In Pressure, Tubing, 1977	PSIG + 12 = PSIA 1989
Flowing Pressure: P Mtr. 139 W.H. 294	PSIG	+ 12 = PSIA Mtr. 151 W.H. 306		Working Pressure: P _w 784	PSIG + 12 = PSIA 796
Temperature: T = 64 °F		n = .750		F _{pv} (From Tables) 1.016	Gravity .700 F _g = 1.1952

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

$$Q = \text{Calculated from Orifice meter Reading} = \underline{3667} \text{ MCF/D}$$

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

$$Aof = \left(\frac{3956121}{3322505} \right)^n = (3667)(1.1907)^{.75} = (3667)(1.1399)$$

NOTE: The well produced 27 bbls. of oil during the three hour test.

$$Aof = \underline{4180} \text{ MCF/D}$$

TESTED BY J. B. GoodwinCHECKED BY T. B. Grant

H. L. Kendrick
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