

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 7-24-70

Operator El Paso Natural Gas Co.		Lease Huerfano Unit No. 208	
Location 1180 N. 1000 W, S32, T26N, R9W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6780	Tubing: Diameter 2.375	Set At: Feet 6676
Pay Zone: From 6488	To 6710	Total Depth: 6780	Shut In 7-12-70
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Meter Choke Size, Inches 4" MR 2.750 orifice		Meter Choke Constant: C 41.9208		well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1923	+ 12 = PSIA 1935	Days Shut-In 12	Shut-In Pressure, Tubing PSIG 1434	+ 12 = PSIA 1446	
Flowing Pressure: P MR-158 WH-430	+ 12 = PSIA MR-170 WH-442		Working Pressure: P _w PSIG 850	+ 12 = PSIA 862	
Temperature: T = 86 °F F _t = .9759	n = .75		F _{pv} (From Tables) 1.016	Gravity .700	F _g = 1.1952

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

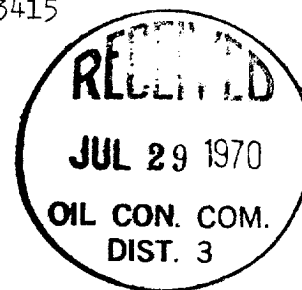
$$Q = \text{Calc. from orifice meter reading} = \underline{3416} \text{ MCF/D}$$

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

Note: well produced 66.38 bbls. of 48.2 API Gravity oil during test.

$$Aof = \left(\frac{3744225}{3001181} \right)^n = 1.2475^{.75} \times 3415 = 1.1804 \times 3415$$

$$Aof = \underline{4032} \text{ MCF/D}$$



TESTED BY R. E. Stauffer & R. E. Fielder
Calc.

WITNESSED BY R. E. Fielder

H. L. Kendrick
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