

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 22, 1969

Operator El Paso Natural Gas		Lease Huerfano Unit No. 196	
Location 800'S; 1150'E; S-21; T-26N; R-10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6738	Tubing: Diameter 2.375	Set At: Feet 6608
Pay Zone: From 6542	To 6612	Total Depth: 6750	Shut In 5-15-69
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 4" M.R. 2.750 plate		Choke Constant: C 41.9208		Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1695	+ 12 = PSIA 1707	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1151	+ 12 = PSIA 1163	
Flowing Pressure: P PSIG 491 wh 191 M.R.	+ 12 = PSIA 503 M.R.	203 M.R.	Working Pressure: P _w PSIG 1053	+ 12 = PSIA 1065	
Temperature: T = 76 °F F _t = 9850	n = .75	F _p (From Tables) 1.021	Gravity .700	F _g = 1.1952	

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

Q = Calc. from orifice meter reading

= 5884 MCF/D

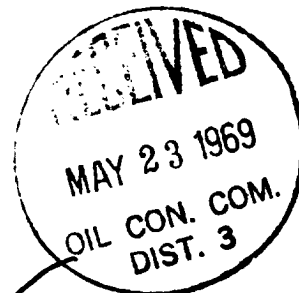
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{2913849}{1779624} \right)^n = (5884)(1.6373)^{.75} = (1.4474)(5884)$$

Note: Well Produced 27.6 bbls. of 56 gr. oil during test.

Aof = 8517 MCF/D

TESTED BY C. R. Wagner
Calculated
WITNESSED BY R. E. Stauffer



H. L. Kendrick
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