

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 5, 1972

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 226	
Location 990'N, 1650'W, Section 33, T26N, R10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6715	Tubing: Diameter 2.375	Set At: Feet 6671
Pay Zone: From 6506	To 6680	Total Depth: 6715	Shut In 3-29-72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches 4" MR; 2.750 Plate		Choke Constant: C 41.10		Tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1664	+ 12 = PSIA 1676	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1680	+ 12 = PSIA 1692	
Flowing Pressure: P MR 7 WH 60	+ 12 = PSIA MR 19 WH 72		Working Pressure: P _w PSIG 148	+ 12 = PSIA 160	
Temperature: T = 68 °F	Ft = .9924	n = .75	Fpv (From Tables) 1.004	Gravity .710	Fg = 1.187

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

Q = Calculated from meter readings

= 748 MCF/D

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

NOTE: The well produced 23.14 bbls. of 39° gravity oil and 7.36 bbls. of water during the test.

$$Aof = \left(\frac{2862864}{2837264} \right)^n = (1.0090)^{.75} (748) = (1.0068)(748)$$

Aof = 753 MCF/DTESTED BY Don Norton & Jess Goodwin

WITNESSED BY _____



L. E. Mabe, Jr.
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