

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

(RETEST)

DATE March 17, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease Huerfano Unit No. 224	
Location 1650 S - 990E Sec. 4-26N- 10W		County San Juan	State N. M.
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7025	Tubing: Diameter 2.375	Set At: Feet 6934
Pay Zone: From 6776	To 6930	Total Depth: 7025	Shut In 3-10-72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches 4 X 2.750		Choke Constant: C 41.10		Tested Thru 3/4" Variable Choke	
Shut-In Pressure, Casing, PSIG 1631	+ 12 = PSIA 1643	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1650	+ 12 = PSIA 1662	
Flowing Pressure: P MR--5 WH 48 PSIG	+ 12 = PSIA MR--17 WH--60		Working Pressure: P _w 392 PSIG	+ 12 = PSIA 404	
Temperature: T= 79 °F F _t = .9822	n = .75		F _{pv} (From Tables) 1.003	Gravity .734 F _g = 1.167	

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

$$Q = \text{Calculated from orifice meter readings} = \underline{388} \text{ MCF/D}$$

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

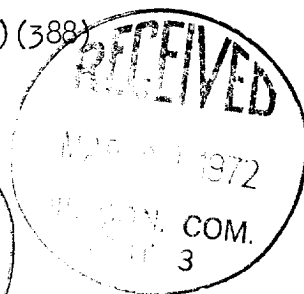
NOTE: Well produced 81 Bbls.--43° Gravity Oil on three hour test.

$$Aof = \left(\frac{2762244}{2599028} \right)^n = (1.0628)^{.75} (388) = (1.0467)(388)$$

$$Aof = \underline{407} \text{ MCF/D}$$

TESTED BY Jess Goodwin

WITNESSED BY _____



H. E. McAnally
H. E. McAnally