

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 2-29-72

Operator EL PASO NATURAL GAS COMPANY		Lease Huerfano Unit No. 224	
Location 1650 N - 990 E 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 2-22-72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XXX

Plate Choke Size, Inches 4" M.R.; 2.750" P.		Choke Constant: C 41.10		Well tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1600'	+ 12 = PSIA 1612'	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1585	+ 12 = PSIA 1597	
Flowing Pressure: P PSIG MR 10' WH 46'	+ 12 = PSIA MR 22 WH 58		Working Pressure: Pw PSIG 393	+ 12 = PSIA 405	
Temperature: T = 86°F	n = Ft = .9759		Fpv (From Tables) 1.003	Gravity .734	Fg = 1.167

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

$$Q = \text{Calculated from orifice meter readings} = \underline{371} \text{ MCF/D}$$

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

NOTE: Well produced 38 bbls. of 43 gravity oil in 3 hour test.

$$Aof = \left(\frac{2598544}{2434519} \right)^n = (371)(1.0674)^{.75} = (371)(1.0501)$$

$$Aof = \underline{390} \text{ MCF/D}$$

TESTED BY Jess Goodwin

WITNESSED BY _____

H. E. McAnally
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