

OPEN FLOW TEST DATA

CORRECTED COPY

DATE June 16, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease Huerfano Unit No. 229	
Location 900 S - 990 E Sec. 5 26N, 10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6944	Tubing: Diameter 2.375	Set At: Feet 6861
Pay Zone: From 6714	To 6882	Total Depth: 6944	Shut In 4-30-72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing

Casing Size, Inches 4" MR, 2.750 Plate		Choke Constant: C 41.10		Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1965	+ 12 = PSIA 1977	Days Shut-In 47	Shut-In Pressure, Tubing PSIG 1679	+ 12 = PSIA 1691	
Flowing Pressure: P 115 W.H.; 21 M.R. PSIG	+ 12 = PSIA 127 W.H. 33 M.R.		Working Pressure: P _w 475 PSIG	+ 12 = PSIA 487	
Temperature: T = 88 °F F _t = 0.9741	n = .75		F _{pv} (From Tables) 1.003	Gravity 0.710 F _g = 1.1868	

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

$$Q = \text{Calculated from orifice meter readings} = 986 \text{ MCF/D}$$

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

NOTE: The well produced 38.91 bbls. of 43.9 API gravity oil during the test.

$$Aof = \left(\frac{3908529}{3671360} \right)^n = (986)(1.0646)^{.75} = (986)(1.0481)$$

$$Aof = 1,033 \text{ MCF/D}$$

TESTED BY McAnally & Broughton

WITNESSED BY _____



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