

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 21, 1972

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 230	
Location 900 N, 1840 W, Sec. 8 T 26N, R 10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6825	Tubing: Diameter 2.375	Set At: Feet 6739
Pay Zone: From 6608	To 6772	Total Depth: 6825	Shut In 7-11-72
Stimulation Method S.W.F.		Flow Through Casing	Flow Through Tubing XX

Orifice Choke Size, Inches 2.750		Orifice Choke Constant: C 41.10			
Shut-In Pressure, Casing, PSIG 1534	+ 12 = PSIA 1546	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 1566	+ 12 = PSIA 1578	
Flowing Pressure: P PSIG 96	+ 12 = PSIA 108		Working Pressure: P _w PSIG 721	+ 12 = PSIA 733	
Temperature: °F 92	n = .75		F _{pv} (From Tables) 1.009	Gravity .710	F _g = 1.187

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

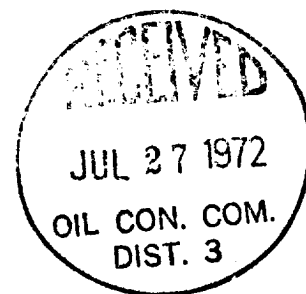
Q = Calculated from orifice meter readings = 628 MCF/D

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

$$Aof = \left(\frac{2490084}{1952795} \right)^n = (628)(1.2751)^{.75} = (628)(1.2000)$$

$$Aof = 754 \text{ MCF/D}$$

NOTE: Well blew dead 8 minutes after start of blow. Rocked tubing with casing pressure. Casing 1120. Tubing 1120. Kicked well off at 10:15 a.m.. Well produced 25 Bbls. of 44.9 gravity oil and 38 Bbls. water during the test.



TESTED BY B. J. Broughton

WITNESSED BY

J. A. Jones
J. A. Jones