

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-4-70

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 206	
Location 1850 S, 1750 E, Sec. 26, T26N, R9W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6781	Tubing: Diameter 2.375	Set At: Feet 6710
Pay Zone: From 6483	To 6712	Total Depth: 6781	Shut In 5-21-70
Stimulation Method SWP		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" MR 2.750 orifice		Choke Constant: C 41.9208		tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 2022	+ 12 = PSIA 2034	Days Shut-In 15	Shut-In Pressure, Tubing PSIG 1896	+ 12 = PSIA 1908	
Flowing Pressure: P PSIG 265 WH 72 MR	+ 12 = PSIA 277 WH 84 MR		Working Pressure: P _w PSIG 638	+ 12 = PSIA 650	
Temperature: T = 81 °F F _t =	n = .75		F _{pv} (From Tables)	Gravity .700	F _g = 1.1952

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

$$Q = \text{calculated from orifice meter reading} = 2372 \text{ MCF/D}$$

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

Note: this well produced 25.20 bls. of 47.2 API Gravity oil during the test.

$$Aof = \left(\frac{4,137,156}{3,714,656} \right)^n = 2372 (1.1137)^{.75} = 2372 (1.0841)$$

$$Aof = 2571 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY



H. L. Kendrick
H. L. Kendrick