

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 2, 1970

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 202	
Location 1650'N; 1650'W; Sec. 28-T26N-R10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6671	Tubing: Diameter 2.375	Set At: Feet 6523
Pay Zone: From 6483	To 6544	Total Depth: 6671	Shut In 2-23-70
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing XX

Meter		Choke		Choke Constant: C		Tested through a 3/4 variable choke	
Choke Size, Inches 4" M.R. - 2 3/4" Plate		+ 12 = PSIA 1697		Days Shut-In 7		Shut-In Pressure, Tubing PSIG 350	
Shut-In Pressure, Casing, PSIG 1685		+ 12 = PSIA 194 W.H. 77 M.R.		Working Pressure: P _w PSIG 517		+ 12 = PSIA 529	
Flowing Pressure: P PSIG 182 W.H. 65 M.R.		n = 0.75		F _{pv} (From Tables) 1.010		Gravity .700 F _g =1.1952	
Temperature: T = 86 °F F _t = .9759							

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calc. from orifice meter reading = 2273 MCF/D

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

Aof = $\left(\frac{2879809}{2599968} \right)^n = (2273)(1.1076)^{.75} = (1.0797)(2273)$

Note: The well produced 26 bbls. of 45.0 API gravity oil during test.

Aof = 2454 MCF/D

TESTED BY J. B. Goodwin

WITNESSED BY _____

H. L. Kendrick

H. L. Kendrick

