

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 18, 1970

Operator El Paso Natural Gas Company		Lease Huervano Unit No. 204	
Location 1850 S, 1850 E, S 27, T26N, R9W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6740	Tubing: Diameter 2.375	Set At: Feet 6576
Pay Zone: From 6398	To 6596	Total Depth: 6740	Shut In 6-6-70
Stimulation Method SWP		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" M. R. 2.750 orifice		Choke Constant: C 41.9208		Tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 2085	+ 12 = PSIA 2097	Days Shut-In 12	Shut-In Pressure, Tubing PSIG 1526	+ 12 = PSIA 1538	
Flowing Pressure: P PSIG 221 WH 74 MR	+ 12 = PSIA 233 WH 86 MR		Working Pressure: Pw PSIG 563	+ 12 = PSIA 575	
Temperature: T = 83 °F	Ft = .9786	n = .75	Fpv (From Tables) 1.010	Gravity .700	Fg = 1.1952

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = Calculated from orifice meter reading = 1756 MCF/D

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

Note: well produced 23.87 bbls of 46.6 gravity oil during test.

Aof = $\left(\frac{4397409}{4066784} \right)^n = 1756 (1.0812)^{.75} = (1.0604)(1756)$

Aof = 1862 MCF/D



TESTED BY C. R. Wagner

WITNESSED BY

H. L. Kendrick