

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 4-20-70

Operator El Paso Natural Gas Co.		Lease Huerfano Unit No. 203	
Location 1750S, 1750E, S1, T26N, R10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7032	Tubing: Diameter 2.375	Set At: Feet 6914
Pay Zone: From 6754	To 6928	Total Depth: 7032	Shut In 4-11-70
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" MR 2.750" Plate		Choke Constant: C 41.9208		Tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1908	+ 12 = PSIA 1920	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 1451	+ 12 = PSIA 1463	
Flowing Pressure: P PSIG 224 WH 87 MR	+ 12 = PSIA 236 WH 99 MR	Working Pressure: P _w PSIG 604	+ 12 = PSIA 616		
Temperature: T 85 °F	Ft = .9768	n = .75	F _{pv} (From Tables) 1.010	Gravity .700	F _g = 1.1952

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

Q = Calculated from orifice meter reading = 1876 MCF/D

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

Note: This well produced 20.14 bbl. of 46.3 API gravity oil during test.

$$A_{of} = \left(\frac{3686400}{3321584} \right)^n = (1.1098)^{.75} \times 1876 = (1.0813)(1876)$$

A_{of} = 2029 MCF/D

APR 28 1970

OIL CON. COM.
DIST. 3

TESTED BY J. B. Goodwin-R. E. Stauffer

WITNESSED BY _____

H. L. Kendrick
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