

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-2-70

Operator El Paso Natural Gas Co.		Lease Huerfano Unit No. 200	
Location 990 S, 1850 E, S 6, T26N, R9W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7011	Tubing: Diameter 2.375	Set At: Feet 6945
Pay Zone: From 6762	To 6916	Total Depth: 7011	Shut In 5-26-70
Stimulation Method Hy - T - Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" MR, 2.750 orifice		Choke Constant: C 41.9208		Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1792	+ 12 = PSIA 1804	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1711	+ 12 = PSIA 1723	
Flowing Pressure: P PSIG 141 WH 49 MR	+ 12 = PSIA 153 WH 61 MR		Working Pressure: Pw PSIG 418	+ 12 = PSIA 430	
Temperature: T=87 °F Ft=.9732	n = .75		Fpv (From Tables) 1.010	Gravity .700 Fg = 1.1952	

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

$$Q = \text{Calculated from orifice meter reading} = 1282 \text{ MCF/D}$$

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

Note: This well produced 10.08 bbls. of 42.1 API Gravity oil during the test.

$$A_{of} = \left(\frac{3254416}{3069516} \right)^n = (1.0602)^{.75} 1282 = (1.0448)(1282)$$

$$A_{of} = 1339 \text{ MCF/D}$$

TESTED BY R. E. Stauffer

WITNESSED BY

H. L. Kendrick
H. L. Kendrick