

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE

June 15, 1960

Operator El Paso Natural Gas Company	Lease Sunray No. 2-E (OWWO) (MV)
Location 1650S, 990W; 9-30N-10W	County San Juan State New Mexico
Formation Mesa Verde	Pay Blanco
Casing Diameter 7-5/8 Set At Feet 3206	tubing Diameter 2" Set At Feet 5336
Pay Zone Depth 4585 To 5364	Total Depth 5436 c/o 5384 Test Date 5/30/60
Stimulation Method Sand Water Frac.	Flow Through Casing X

Choke Size, Inches .75	Surface Temperature 12.365	5-1/2" liner from 3162 to 5426
Initial Pressure (PC) 950	Pressure 12" PSIA 962	Pressure 12" PSIA 16
Flowing Pressure (MV) 152	Pressure 12" PSIA 164	Working Pressure Calc. 321
Temperature 64	Gravity .9962	Specific Gravity 1.018
		Specific Gravity .698
		Specific Gravity .9292

Initial SIPT (PC) = 951 psig

Final SIPT (PC) = 955 psig

Guiberson "Shorty" Prod. Packer at 3216

CHOKE VOLUME $Q = C \times R \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 164 \times .9962 \times .9292 \times 1.018$$

1911

MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{R \times P_2^2} \right)^n$

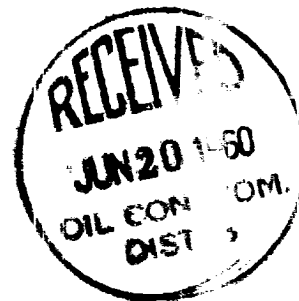
$$Q = \left(\frac{327184}{224143} \right)^n$$

$$1.4597^{.75} \times 1911 = 1.3275 \times 1911$$

2537

MCF/D

W. D. Dawson



L. D. Galloway
L. D. Galloway