

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

Dual Completion

CORRECTED COPY

DATE February 24, 1967

Operator El Paso Natural Gas Company		Lease Huerfanito Unit No. 93 (MV) (OWO)	
Location 1500'N, 1650'E, Sec. 35, T-27-N, R-9-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5.500	Set At: Feet 6885	Tubing: Diameter 1.660	Set At: Feet 4566
Pay Zone: From 4515	To 4588	Total Depth: 6885	Shut In 2-13-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches		Choke Constant: C		Baker Model F Packer set at 4672	
Shut-In Pressure, Casing, PSIG 990 (MV)	+ 12 = PSIA 1002 (MV)	Days Shut-in 11	Shut-In Pressure, Tubing PSIG 996 (MV)	+ 12 = PSIA 1008 (MV)	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: Pw PSIG	+ 12 = PSIA	
Temperature: T = °F Ft =	n =		Fpv (From Tables)	Gravity Fg =	

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>i</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = No Initial Potential Test will be taken = \_\_\_\_\_ MCF/D

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

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

Aof = \_\_\_\_\_ MCF/D

NOTE: An unofficial test conducted 2/1/67 indicated a flow rate of 5885 MCF/D and a calculated absolute open flow of 9735 MCF/D. This Mesa Verde zone will not be repotentialized due to possible damage to Dakota tubing.

TESTED BY \_\_\_\_\_

WITNESSED BY \_\_\_\_\_



*E. L. Kendrick*  
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