Fermation

Mesa Verde

4150

Casing: Diameter 4.500

Pay Zone: From

Stimulation Method

El Paso Natural Gas Company

990'S, 990'W, Sec. 30, T-30-N, R-8-W

Sand Water Frac

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 11, 1967

Leose Howell M No. 1 (OWWO)

County San Juan New Mexico

Pool Blanco

Tubing: Diameter 2.375

September 11, 1967

New Mexico

Set At: Feet 4695

Shut In

8-31-67

Flow Through Tubing

Χ

Choke Size, Inches		Choke Constant: C 12.365					
Shut-In Pressure, Casing, 91	PSIG 8	+ 12 = PSIA 930	Days Shut-In	Shut-In Pressure, Tubing	PSIG	+ 12 = PSIA	
Flowing Pressure: P 372	PSIG	+ 12 = PSIA 384		Working Pressure: Pw	PSIG	+ 12 = PSIA 805	
Temperature:	9850	n =	75	Fpv (From Tables))	Gravity .695	Fg= .9292

Total Depth:

Flow Through Casing

4820

$$Q = (12.365)(384)(.9850)(.9292)(1.040)$$

Set At: Feet 4819

4788

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & & \\ & P_c & & \\ & P_c & P_w & \end{pmatrix}$$

Aof =
$$\begin{pmatrix} 864900 \\ \hline 216875 \end{pmatrix} = (4520)(3.9880)^{.75} = (2.8221)(4520)$$
 NOTE: Made very small amount of H₂O right after opening

NOTE: Made very small amount of H2O right after opening well up, then cleared up to a very light spray of light hydrocarbons.

Aof = 12756 MCF/D

TESTED BY R. F. Headrick

CHECKED H. E. McAnally

SEP 1 9 1967 OIL CON. COM. DIST. 3

H. L. Kendrick