

Operator
El Paso Natural Gas Company

Location
960'S, 1000'W, Sec. 22-30-7

Formation
Mesa Verde

Casing Diameter
4.5

Set At: Feet
5911

Pay Zone: From
5382

To
5868

Stimulation Method
Sand/Water Frac.

Lease
McElvain No. 2 (OWWO)

County
Rio Arriba

State
New Mexico

Pool
Blanco

Tubing Diameter
2.375

Set At: Feet
5819

Total Depth
5911

Shut In
7-30-62

Flow Through Casing
Flow Through Tubing
X

Choke Size, inches .75	Choke Constant, C 12.365				
Shut-In Pressure, Casing, PSIG 820	12 PSIA 832	Days Shut-In 18	Shut-In Pressure, Tubing, PSIG 816	12 PSIA 828	
Flowing Pressure, P, PSIG 296	12 PSIA 308		Working Pressure, Fw, PSIG 625	12 PSIA 637	
Temperature T 70 F	F _r .9905		F _w From Tables 1.033	Gravity .695	F _g .9292

CHOKE VOLUME $Q = C \times P_c \times F_r \times F_g \times F_{fw}$

$$Q = (12.365)(308)(.9905)(.9292)(1.033)$$

3621

MCF/D

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

$$\text{Aof} \left(\frac{692,224}{286,455} \right)^n = (2.4165)^{.75} (3621) = (1.9390)(3621)$$

Aof

7021

MCF/D

TESTED BY H. E. McAnally

WITNESSED BY

Checked by: W. D. Dawson



Lewis D. Galloway
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