

Operator

El Paso Natural Gas Co.

Location

1650'N, 990'E, Sec. 15-29N-6W

Formation

Mesa Verde

Tubing - diameter

2-7/8" O.D.

Set At Feet

6028

Pay Zone

5502

To

5956

Stimulation Method

Sand/Water Frac.

Lease

San Juan 29-6 No. 36

County

Rio Arriba

State

New Mexico

Pool

Blanco

Tubing - diameter

No Tubing

Set At Feet

Total Length

6035 c/o 5970

Shut In

4-25-61

Flow Through Casing

X

Flow Through Tubing

Exponent

0.75

Choke Constant C

12.365

Shut-In Pressure, PSIG

1081

PSIG

1093

Days Shut-In

38

Flowing Pressure, P

187

PSIG

199

Temperature

75

Fr. .9859

.75

Tubingless Completion

Shut-In Pressure, PSIG

no tubing

PSIG

Working Pressure, Pw

Calc.

PSIG

Flow Through Casing

1.017

282

Gravity

.650

Fg .9608

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$ $Q = (12.365)(199)(.9859)(.9608)(1.017)$

2370

MCF/D

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

$$A_{sf} = \left(\frac{1,194,649}{1,115,125} \right)^n$$

$$(1.0713)^{.75}(2370) = (1.0530)(2370)$$

A_{sf} 2496

MCF/D

C. R. Wagner



Lewis D. Galloway
L. D. Galloway