

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 3, 1961

Operator

El Paso Natural Gas Company

Location

1760'S, 1150'E, Sec. 30-25N-4W

Formation

Pictured Cliffs

Casing Diameter

2-7/8"

Set At Feet

3523

Flow Zone Depth

3452

To

3482

Stimulation Method

Sand/Water Frac.

Lease

Jicarilla "D" No. 10

County

Rio Arriba

State

New Mexico

Pool

So. Blanco

Tubing Diameter

No Tubing

Set At Feet

Total Depth

3500

Shut In

10-26-61

Flow Through Casing

X

Flow Through Tubing

Choke Size, Inches

.75

Choke Constant, C

12.365

Shut-In Pressure, Casing

PSIG - 12 PSIA

945

957

Days Shut-In

8

Flowing Pressure, P

PSIG - 12 PSIA

49

61

Temperature

55

1.0048

.85

TUBINGLESS COMPLETION

Shut-In Pressure, Tubing

PSIG - 12 PSIA

No Tubing

Working Pressure, Pw

PSIG - 12 PSIA

(Calc.)

79

Fpv (From Tables)

1.004

Gravity

.678

Fg

.9427

CHOKED VOLUME $Q = C \times P_r \times F_v \times F_g \times F_{pv}$

$Q = (12.365)(61)(1.0048)(.9427)(1.004)$

717

MCF/D

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

$A_{of} = \left(\frac{915,849}{909,608} \right)^n$

$(717)(1.0068)^{.85} = (717)(1.0058)$

A_{of}

721

MCF/D

R. F. Headrick

Calculated by:

W. D. Dawson



Lewis D. Galloway
Lewis D. Galloway