

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION - RE-POTENTIAL TEST

DATE December 27, 1963

Operator

La Plata Gathering System, Inc.

Location

2558'S, 400'W, Sec. 20, T-32-N, R-5-W

Formation

Mesa Verde

Casing Diameter

5.500

Pay Zone (Feet)

5428

Stimulation Method

Sand/Water Frac.

Set At: Feet

7956

To

5718

Lease

San Juan Unit 32-5 No. 1-20 (MV)

County

Rio Arriba

State

New Mexico

Pool

Blanco

Tubing Diameter

1.660

Total Depth

7956

Flow Through Casing

X

Set At: Feet

5403

Shut In

12-16-63

Flow Through Tubing

Choke Size, Inches

2" Flow Nipple

Shut-in Pressure, PSIG

1119 (MV)

Flowing Pressure, PSIG

6" Hg Impact

Temperature

65

Choke Constant, C

PSIG x 12 = PSIA

PSIG x 12 = PSIA

Days Shut-in

11

Shut-in Pressure, Tubing

1120 (MV)

Working Pressure, Pw

257

Eq. From Tables

PSIG x 12 = PSIA

PSIG x 12 = PSIA

269

Gravity

Eq.

CHOKER VOLUME = $Q \times C \times P_1 \times E \times F_g \times F_{pv}$

Pitot Volume - 2" Flow Nipple

1065

MCF/D

$$\text{OPEN FLOW} = \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

NOTE: Started making heavy spray of water 5 minutes after opening. Heavy spray of water at end of test.

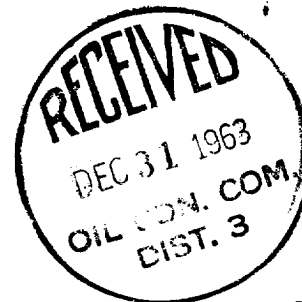
$$\left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

ACE

MCF/D

W. D. Dawson (EPNG)

Walt Kilgo (La Plata)



H. L. Kendrick