

Operator

La Plata Gathering System, Inc.

Location

1790'N, 790'W Sec. 24-32-6

Formation

Mesa Verde

Casing Diameter

4-1/2"

Set At: Feet

5901

Pay Zone: From

5416

To

5769

Stimulation Method

Sand/Water Frac.

Lease

San Juan 32-5 Unit No. 3-24

County

Rio Arriba

State

New Mexico

Pool

Blanco

Tubing Diameter

2-3/8"

Set At: Feet

5405

Total Depth

5900

Shut In

1-3-63

Flow Through Casing

Flow Through Tubing

X

Casing Size, Inches

.750

Crack Constant

12.365

Flow Pressure, Casing

1158

PSIA

12

Casing Size

84

Flow Pressure, Tubing

1159

PSIA

12

Flowing Pressure: P_w

143

PSIA

12

Working Pressure: P_w

505

PSIA

12

Temperature

73

°F

.9877

.75

psi from test

1.010

Gravity

.585

Fg 1.012

CRACK VOL = $\frac{1}{2} \pi R^2 L \Delta P$

$$= \frac{1}{2} \pi (12.365)^2 (84) (.9877) (1.012) (1.010)$$



MCF

OIL FLOW = $\frac{Q}{L}$

$$\left(\frac{1,371,241}{1,103,952} \right)^2$$

Q

$$\left(\frac{1,371,241}{1,103,952} \right)^2$$

$$(1935) \times (1.2421)^{.75} = (1935)(1.1766)$$

Q

2877

NOTE: Blew clear to very light fog of water for two hours, then medium to heavy fog for last hour.

J. B. Goodwin

Al Johnson

Lewis D. Galloway
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