

# OPEN FLOW TEST DATA

DATE July 2, 1958

|                                               |                            |                                         |                              |
|-----------------------------------------------|----------------------------|-----------------------------------------|------------------------------|
| Operator<br><b>El Paso Natural Gas</b>        |                            | Lease<br><b>San Juan 29-5 No. 39-23</b> |                              |
| Location<br><b>9908, 700W; 23-29-5</b>        |                            | County<br><b>Rio Arriba</b>             | State<br><b>New Mexico</b>   |
| Field<br><b>Mesa Verde</b>                    |                            | Point<br><b>South Blanco P.C.</b>       |                              |
| Working Pressure<br><b>7-5/8</b>              | Set At Feet<br><b>3996</b> | Tubing Diameter<br><b>2</b>             | Set At Feet<br><b>6105</b>   |
| Flow Zone<br><b>5984</b>                      | <b>6120</b>                | Total Depth<br><b>6200 c/o 6170</b>     | Shut-in<br><b>June 22/58</b> |
| Producing Interval<br><b>Sand Water Frac.</b> |                            | Flow Through Tubing<br><b>X</b>         |                              |

|                                       |                                 |                                        |
|---------------------------------------|---------------------------------|----------------------------------------|
| Choke Size, inches<br><b>.75</b>      | Choke Constant<br><b>12.365</b> | 5-1/2" liner<br><b>3944 - 6197</b>     |
| Shut-in Pressure, PSIG<br><b>1121</b> | PSIG - 12 - PSIA<br><b>1133</b> | Days Shown<br><b>10</b>                |
| Flowing Pressure, PSIG<br><b>130</b>  | PSIG - 12 - PSIA<br><b>142</b>  | Flowing Pressure, PSIG<br><b>1121</b>  |
| Temperature, °F<br><b>65</b>          | Gravity<br><b>.75</b>           | Flowing Pressure, PSIG<br><b>435</b>   |
|                                       |                                 | Flowing Pressure, PSIG<br><b>447</b>   |
|                                       |                                 | Flowing Pressure, PSIG<br><b>1.014</b> |
|                                       |                                 | Flowing Pressure, PSIG<br><b>.675</b>  |

CHOKE VOLUME  $Q = C \times F_1 \times F_2 \times F_3 \times F_4$

$C = (12.365)(142)(9952)(9427)(1.014)$

1670

MCF/D

$$Q = \left( \frac{P_1 - P_2}{P_3 - P_4} \right)^n$$

$$\frac{1283689}{1083880} = \frac{1.1843}{1.1353}$$

1896 MCF/D

S. V. Roberts

C. R. Wagner



*Lewis D. Galloway*

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D).

[illegible]

## Appendix

File

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