

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 28, 1958

|                                               |                             |                                     |                                 |
|-----------------------------------------------|-----------------------------|-------------------------------------|---------------------------------|
| Operator<br><b>El Paso Natural Gas</b>        |                             | Lease<br><b>Rincon No. 115 (M)</b>  |                                 |
| Location<br><b>990S, 1190W; 21-27-6</b>       |                             | County<br><b>Rio Arriba</b>         | State<br><b>New Mexico</b>      |
| Form<br><b>Mesa Verde</b>                     |                             | Pore<br><b>Blanco</b>               |                                 |
| Casing Diameter<br><b>7-5/8</b>               | Set At: Feet<br><b>3414</b> | Tubing Diameter<br><b>2"</b>        | Set At: Feet<br><b>5467</b>     |
| Flow Zone From<br><b>5360</b>                 | To<br><b>5552</b>           | Total Depth<br><b>5605 c/o 5553</b> | Shut-in 8/20/58                 |
| Stimulation Method<br><b>Sand Water Frac.</b> |                             | Flow Through Casing                 | Flow Through Tubing<br><b>X</b> |

|                                             |                                    |                                             |                              |
|---------------------------------------------|------------------------------------|---------------------------------------------|------------------------------|
| Choke Size, inches<br><b>.75</b>            | Choke Constant, C<br><b>12.365</b> | <b>5-1/2 liner 3373 - 5605</b>              |                              |
| Shut-in Pressure, Casing<br><b>843 (PC)</b> | PSIG - 12 PSIA<br><b>855</b>       | Shut-in Pressure, Tubing<br><b>964 (MV)</b> | PSIG - 12 PSIA<br><b>976</b> |
| Flowing Pressure, P<br><b>184</b>           | PSIG - 12 PSIA<br><b>196</b>       | Working Pressure, Pw<br><b>Calc.</b>        | PSIG - 12 PSIA<br><b>387</b> |
| Temperature<br><b>64</b>                    | <b>.75</b>                         | Flow From Tubing<br><b>1.022</b>            | Gravity<br><b>.705</b>       |

Initial SIPT (PC) = 843 psig  
Final SIPC (PC) = 848 psig

Packer at 3279  
1-1/4 at 3212

CHOKE VOLUME  $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 196 \times 9962 \times 9225 \times 1.022$$

2276

MCF/D

OPEN FLOW ASFD  $\left( \frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$

As  $\left( \frac{952576}{802807} \right)^n$

$$(1.1865)^{.75} \times 2276 = 1.1368 \times 2276$$

As 2587

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Checked By M. W. Rischard

L. D. Galloway

