

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

CORRECTED COPY

DUAL COMPLETION

DATE July 14, 1959

|                                               |                             |                                             |                             |
|-----------------------------------------------|-----------------------------|---------------------------------------------|-----------------------------|
| Operator<br><b>El Paso Natural Gas</b>        |                             | Lease<br><b>San Juan 29-6 No. 47-28 (M)</b> |                             |
| Location<br><b>990N, 1650E; 28-29-6</b>       |                             | County<br><b>Rio Arriba</b>                 | State<br><b>New Mexico</b>  |
| Formation<br><b>Mesa Verde</b>                |                             | Pool<br><b>Blanco</b>                       |                             |
| Casing: Diameter<br><b>9-5/8</b>              | Set At: Feet<br><b>3525</b> | Tubing: Diameter<br><b>1-1/4</b>            | Set At: Feet<br><b>5578</b> |
| Pay Zone: From<br><b>5034</b>                 | To<br><b>5604</b>           | Total Depth<br><b>7894 c/o 7823</b>         | Shut In: <b>6/30/59</b>     |
| Stimulation Method<br><b>Sand Water Frac.</b> |                             | Flow Through Casing<br><b>X</b>             | Flow Through Tubing         |

|                                               |                                            |                               |  |
|-----------------------------------------------|--------------------------------------------|-------------------------------|--|
| Choke Size, Inches<br><b>.75</b>              |                                            | Choke Constant: C<br><b>-</b> |  |
| Shut-In Pressure, Casing, PSIG<br><b>1031</b> | PSIA<br><b>1043</b>                        | Days Shut-In<br><b>14</b>     |  |
| Flowing Pressure: P, PSIG<br><b>Not used</b>  | PSIA<br><b>- Volume from Orifice Meter</b> |                               |  |
| Temperature: T, °F<br><b>73</b>               |                                            |                               |  |

  

|                                               |                        |
|-----------------------------------------------|------------------------|
| <b>7" liner 3474-7442, 5" liner 7381-7894</b> |                        |
| Shut-In Pressure, Tubing, PSIG<br><b>1015</b> | PSIA<br><b>1027</b>    |
| Working Pressure, Pw, PSIG<br><b>525</b>      | PSIA<br><b>537</b>     |
| Exp. From Tables<br><b>1.038</b>              | Gravity<br><b>.660</b> |

Initial SIPT (D) = 2399 psig

Final SIPT (D) = 2439 psig

Packer at 5700

CHOKE VOLUME  $Q = C \times P_1 \times F_1 \times F_g \times F_v$ 

Q = Calculated from orifice meter reading

7580

MCF D

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

$$A_{of} = \left( \frac{1,087,849}{799,480} \right)^n$$

$$1.3606^{.75} \times 7580 = 1.2598 \times 7580$$

Aof 9549 MCF D



TESTED BY H.L. Kendrick, T.B. Grant, M.W. Rischard, S.V. Roberts, J.B. Goodwin

WITNESSED BY Fred Cook, Wayne Smith

*Lewis D. Galloway*  
L. D. Galloway

|                                    |        |   |
|------------------------------------|--------|---|
| <b>OIL CONSERVATION COMMISSION</b> |        |   |
| <b>AZTEC DISTRICT OFFICE</b>       |        |   |
| No. Copies Received <u>5</u>       |        |   |
| <b>DISTRIBUTION</b>                |        |   |
|                                    | COPIES |   |
| Operator                           |        |   |
| Santa Fe                           | 1      |   |
| Proration Office                   |        |   |
| State Land Office                  |        |   |
| U. S. G. &                         | 1      |   |
| Transporter                        |        |   |
| File                               | 1      | ✓ |
|                                    |        |   |