

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 24, 1958

|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control<br><b>El Paso Natural Gas</b><br>Location<br><b>900N, 1090E; 28-28-7</b><br>Formation<br><b>Pictured Cliffs</b><br>casing 2" diameter<br><b>7-5/8</b><br>Tubing, 2" inner<br><b>2680</b><br>Total Depth<br><b>2724</b><br>Perforations<br><b>Sand Water Frac.</b> | Lease<br><b>San Juan 28-7 Unit No.73 (P)</b><br>County<br><b>Rio Arriba</b><br>State<br><b>New Mexico</b><br>Locality<br><b>Undesignated</b><br>Tubing, 2" inner<br><b>1-1/4</b><br>Total Depth<br><b>5062</b><br>Perforations<br><b>X</b><br>Shut in 9/7/58<br>Flow Through Tubing |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                   |                                                                                            |                                                                                                                                   |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Casing<br><b>3/4</b><br>(PC) 806<br>Pressure<br><b>65</b><br>Gravity<br><b>63</b> | Check<br><b>12.365</b><br>PSIG<br><b>818</b><br>PSIG<br><b>77</b><br>Gravity<br><b>.85</b> | Casing<br><b>5-1/2 liner from 2791 - 5059</b><br>(PC) 806<br>Pressure<br><b>67</b><br>Gravity<br><b>1.009</b><br><b>.650 Est.</b> |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|

Initial SIPT (MV) = 930 PSIG

Final SIPT (MV) = 930 PSIG

Packer At 2760

CHARGE VOLUME =  $Q \times P_1 \times E_1 \times F_1 \times F_2$

$$C = 12.365 \times 77 \times .9971 \times .9608 \times 1.009$$

920

MCF/D

$$Q = \frac{C}{\left( \frac{P_1}{P_2} \right)^n}$$

$$\left( \frac{669,124}{662,883} \right)^n$$

$$920 \times 1.0094^{.85} = 920 \times 1.0080$$

927

Donald K. Bryant

*Lewis D. Galloway*  
L. D. Galloway