

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE **June 21, 1960**

|                                                               |                                                                 |
|---------------------------------------------------------------|-----------------------------------------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b>                | Lease<br><b>Senges Pool Unit No. 1</b>                          |
| Location<br><b>990S, 1090E; 2-27N-8W</b>                      | County<br><b>San Juan</b> State<br><b>New Mexico</b>            |
| Formation<br><b>Pictured Cliffs</b>                           | Pool<br><b>South Blanco P.C.</b>                                |
| Casing: Diameter<br><b>2-1/2"</b> Set At: Feet<br><b>3116</b> | Tubing: Diameter<br><b>No tubing</b> Set At: Feet<br><b>-</b>   |
| Pay Zone: Feet<br><b>2982</b> To<br><b>3026</b>               | Total Depth<br><b>3120 c/o</b> Shot In<br><b>6/14/60</b>        |
| Stimulation Method<br><b>Sand Water Frac.</b>                 | Flow Through Casing<br><b>X</b> Flow Through Tubing<br><b>-</b> |

|                                                                                      |                                                               |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Choke Size, In.<br><b>.75</b>                                                        | Choke Coefficient<br><b>12.365</b>                            |
| Shut-In Pressure, Tubing<br><b>712</b> PSIG $\pm 12$ PSIA Days Shut-In<br><b>7</b>   | Shut-In Pressure, Tubing<br><b>No tbg.</b> PSIG $\pm 12$ PSIA |
| Flowing Pressure, In.<br><b>2.8" H<sub>2</sub>O Pitot Reading</b> PSIG $\pm 12$ PSIA | Working Pressure, Flow<br><b>Calc.</b> PSIG $\pm 12$ PSIA     |
| Temperature<br><b>61</b> F                                                           | Specific Gravity<br><b>.600</b> $\pm .0002$ $\pm .0002$       |

CHOKE VOLUME  $Q = C \times P_1 \times F_1 \times F_g \times F_{v_1}$

$Q = 2.8" \text{ H}_2\text{O Impact pressure through 2" Nipple}$  **197** MCF/D

OPEN FLOW  $A_{of} = Q \left( \frac{P_1^2 - P_2^2}{P_1^2 - P_{wf}^2} \right)^n$

$A_{of} = \left( \frac{524176}{524032} \right)^n$   $197 \times 1.0002^{.85} = 197 \times 1.0002$

$A_{of} = 197$  MCF/D

Checked By **Clarence Wagner**

Checked By **H. L. Kendrick**



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By *N.B.*