

|                                                                                                                        |  |                    |  |                                    |  |
|------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|------------------------------------|--|
| Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |  |                    |  | Test Date 3-9-78                   |  |
| Company Consolidated Oil & Gas Co.                                                                                     |  |                    |  | Location                           |  |
| Well Blanco Mesa Verde                                                                                                 |  |                    |  | Mesa Verde                         |  |
| Completion Date                                                                                                        |  | Total Depth        |  | Elevation 5737 GL                  |  |
|                                                                                                                        |  |                    |  | Farm or Lease Name Hancock         |  |
| Well No.                                                                                                               |  | 1-A                |  |                                    |  |
| Well Size 4.5                                                                                                          |  | Set At 4749        |  | Perforations: From 4408 To 4648    |  |
| Well Size 1.5                                                                                                          |  | Set At 4519        |  | Perforations: From To              |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple                                                                |  |                    |  | Packer Set At                      |  |
| Single                                                                                                                 |  |                    |  | County San Juan                    |  |
| Producing Thru Csg.                                                                                                    |  | Reservoir Temp. °F |  | Baro. Press. - P <sub>a</sub> 12.0 |  |
| L H                                                                                                                    |  | Gg                 |  | State New Mexico                   |  |
|                                                                                                                        |  | % CO <sub>2</sub>  |  | Prover X                           |  |
|                                                                                                                        |  | % N <sub>2</sub>   |  | Meter Run                          |  |
|                                                                                                                        |  |                    |  | Taps                               |  |

  

| FLOW DATA |                  |   |              |                 |          | TUBING DATA |                 | CASING DATA |                 | Duration of Flow |          |
|-----------|------------------|---|--------------|-----------------|----------|-------------|-----------------|-------------|-----------------|------------------|----------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. hw | Temp. °F    | Press. p.s.i.g. | Temp. °F    | Press. p.s.i.g. |                  | Temp. °F |
| 1.        | Shut in 15 days  |   |              |                 |          |             | 998             |             | 1008            |                  | 3 hrs.   |
| 2.        | 2 X 3/4          |   |              |                 |          |             | 220             | 60          | 713             |                  |          |
| 3.        |                  |   |              |                 |          |             |                 |             |                 |                  |          |
| 4.        |                  |   |              |                 |          |             |                 |             |                 |                  |          |
| 5.        |                  |   |              |                 |          |             |                 |             |                 |                  |          |

  

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                                  |                               |                                         |                      |
|---------------------------|-----------------------|------------------|-------------------------|----------------------------------|-------------------------------|-----------------------------------------|----------------------|
| NO.                       | Coefficient (24 Hour) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor F <sub>t</sub> | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1.                        | 9.453                 |                  | 232                     | 1.0000                           | 1.240                         | 1.023                                   | 2782                 |
| 2.                        |                       |                  |                         |                                  |                               |                                         |                      |
| 3.                        |                       |                  |                         |                                  |                               |                                         |                      |
| 4.                        |                       |                  |                         |                                  |                               |                                         |                      |
| 5.                        |                       |                  |                         |                                  |                               |                                         |                      |

  

|     |                |          |                |   |                                            |
|-----|----------------|----------|----------------|---|--------------------------------------------|
| NO. | P <sub>c</sub> | Temp. °R | T <sub>r</sub> | Z | Gas Liquid Hydrocarbon Ratio Mcf/bbl.      |
| 1.  |                |          |                |   | A.P.I. Gravity of Liquid Hydrocarbons Deg. |
| 2.  |                |          |                |   | Specific Gravity Separator Gas XXXXXXXXXX  |
| 3.  |                |          |                |   | Specific Gravity Flowing Fluid XXXXX       |
| 4.  |                |          |                |   | Critical Pressure P.S.I.A. P.S.I.A.        |
| 5.  |                |          |                |   | Critical Temperature R R                   |

  

|     |                |                |                             |                                                           |                                            |                                                             |
|-----|----------------|----------------|-----------------------------|-----------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------|
| NO. | P <sub>c</sub> | P <sub>w</sub> | P <sub>w</sub> <sup>2</sup> | P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> | (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0211$ | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6950$ |
| 1.  | 725            | 525625         | 514775                      |                                                           |                                            |                                                             |
| 2.  |                |                |                             |                                                           |                                            |                                                             |
| 3.  |                |                |                             |                                                           |                                            |                                                             |
| 4.  |                |                |                             |                                                           |                                            |                                                             |
| 5.  |                |                |                             |                                                           |                                            |                                                             |

  

|                                       |  |  |                         |              |
|---------------------------------------|--|--|-------------------------|--------------|
| Absolute Open Flow 4715 Mcfd @ 15.025 |  |  | Angle of Slope $\theta$ | Slope, n .75 |
| Remarks:                              |  |  |                         |              |

  

|                         |                              |                               |             |
|-------------------------|------------------------------|-------------------------------|-------------|
| Approved By Commission: | Conducted By: Toby Tefteller | Calculated By: Neil Tefteller | Checked By: |
|-------------------------|------------------------------|-------------------------------|-------------|