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State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-122  
Revised 4-1-91

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

|                                                                                                                        |  |                               |  |                                                    |  |                                          |  |
|------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|--|----------------------------------------------------|--|------------------------------------------|--|
| Operator <b>BASS ENTERPRISES PRODUCTION COMPANY</b>                                                                    |  |                               |  | Lease or Unit Name <b>TURKEY TRACK 2 STATE COM</b> |  |                                          |  |
| Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |  |                               |  | Test Date <b>12-28-95</b>                          |  | Well No. <b>1</b>                        |  |
| Completion Date <b>11-14-95</b>                                                                                        |  | Total Depth <b>11,230'</b>    |  | Plug Back TD <b>11,166'</b>                        |  | Elevation <b>3424.3' GL</b>              |  |
| Csg. Size <b>5 1/2"</b>                                                                                                |  | Wt. <b>17*</b>                |  | d <b>4.892</b>                                     |  | Set At <b>11,230'</b>                    |  |
| Tbg. Size <b>2 7/8"</b>                                                                                                |  | Wt. <b>6.5*</b>               |  | d <b>2-441</b>                                     |  | Set At <b>10,962'</b>                    |  |
| Perforations: From: <b>10,950'</b> To: <b>10,984'</b>                                                                  |  |                               |  | County <b>EDDY</b>                                 |  |                                          |  |
| Perforations: From: <b>OPEN</b> To: <b>ENDED</b>                                                                       |  |                               |  | Pool <b>TURKEY TRACK (MORROW)</b>                  |  |                                          |  |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple <b>SINGLE</b>                                                  |  |                               |  | Packer Set At <b>10,821'</b>                       |  | Formation <b>MORROW</b>                  |  |
| Producing Thru <b>TBG</b>                                                                                              |  | Reservoir Temp. °F <b>160</b> |  | Mean Annual Temp. °F <b>60</b>                     |  | Baro. Press - P <sub>a</sub> <b>13.2</b> |  |
| L <b>10,950</b>                                                                                                        |  | H <b>10,950</b>               |  | G <sub>g</sub> <b>0.628</b>                        |  | % CO <sub>2</sub> <b>0.66</b>            |  |
|                                                                                                                        |  |                               |  | % N <sub>2</sub> <b>0.69</b>                       |  | % H <sub>2</sub> S <b>0</b>              |  |
|                                                                                                                        |  |                               |  | Prover                                             |  | Meter Run <b>3.068</b>                   |  |
|                                                                                                                        |  |                               |  |                                                    |  | Taps <b>FLG</b>                          |  |

| FLOW DATA |                  |   |              |                 |                      | TUBING DATA |                 | CASING DATA |                 | Duration of Flow |
|-----------|------------------|---|--------------|-----------------|----------------------|-------------|-----------------|-------------|-----------------|------------------|
| NO.       | Prover Line Size | X | Orifice Size | Press. p.s.i.g. | Diff. h <sub>w</sub> | Temp. °F    | Press. p.s.i.g. | Temp. °F    | Press. p.s.i.g. | Temp. °F         |
| SI        |                  |   |              |                 |                      |             |                 |             |                 |                  |
| 1.        | 3                | X | 2-25         | 607             | 24                   | 94          | 3,359           |             | PKR             |                  |
| 2.        | 3                | X | 2-25         | 675             | 39                   | 78          | 2,100           |             | "               |                  |
| 3.        | 3                | X | 2-25         | 733             | 46                   | 72          | 2,900           |             | "               |                  |
| 4.        | 3                | X | 2-25         | 879             | 66                   | 67          | 2,800           |             | "               |                  |
| 5.        |                  |   |              |                 |                      |             | 2,550           |             | "               |                  |

| RATE OF FLOW CALCULATIONS |                       |                  |                         |                       |                               |                                         |                      |
|---------------------------|-----------------------|------------------|-------------------------|-----------------------|-------------------------------|-----------------------------------------|----------------------|
| NO.                       | COEFFICIENT (24 HOUR) | $\sqrt{h_w P_m}$ | Pressure P <sub>m</sub> | Flow Temp. Factor Ft. | Gravity Factor F <sub>g</sub> | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
| 1.                        | 28.78                 | 122.00           | 620.2                   | .9638                 | 1.262                         | 1.048                                   | 4499                 |
| 2.                        | 28.78                 | 163.83           | 688.2                   | .9831                 | 1.262                         | 1.059                                   | 6195                 |
| 3.                        | 28.78                 | 185.27           | 746.2                   | .9887                 | 1.262                         | 1.065                                   | 7085                 |
| 4.                        | 28.78                 | 242.66           | 892.2                   | .9933                 | 1.262                         | 1.083                                   | 9481                 |
| 5.                        |                       |                  |                         |                       |                               |                                         |                      |

| NO. | P <sub>r</sub> | Temp. °R | T <sub>r</sub> | Z    | Gas Liquid Hydrocarbon Ratio | Super Compress. Factor, F <sub>pv</sub> | Rate of Flow Q, Mcfd |
|-----|----------------|----------|----------------|------|------------------------------|-----------------------------------------|----------------------|
| 1.  | .92            | 554      | 1.51           | .911 | DRY GAS                      | 1.048                                   | 4499                 |
| 2.  | 1.02           | 538      | 1.47           | .892 | DRY                          | 1.059                                   | 6195                 |
| 3.  | 1.11           | 532      | 1.46           | .881 | 0.628                        | 1.065                                   | 7085                 |
| 4.  | 1.33           | 527      | 1.44           | .853 | XXXXXX                       | 1.083                                   | 9481                 |
| 5.  |                |          |                |      |                              |                                         |                      |

| P <sub>c</sub> <u>4591</u> |                             | P <sub>c</sub> <sup>2</sup> <u>21077.3</u> |                             | 1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{5.020}$      |  | (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{4.793}$ |  |
|----------------------------|-----------------------------|--------------------------------------------|-----------------------------|-----------------------------------------------------------|--|------------------------------------------------------------------------|--|
| NO.                        | P <sub>i</sub> <sup>2</sup> | 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.                         |                             | 4108.4                                     | 16979.0                     | 4198.3                                                    |  |                                                                        |  |
| 2.                         |                             | 3900.7                                     | 15215.5                     | 5861.8                                                    |  |                                                                        |  |
| 3.                         |                             | 3807.5                                     | 14497.1                     | 6580.2                                                    |  |                                                                        |  |
| 4.                         |                             | 3612.9                                     | 13053.0                     | 8024.3                                                    |  |                                                                        |  |
| 5.                         |                             |                                            |                             |                                                           |  |                                                                        |  |

AOF = Q

$\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{21,519}$

|                                                |                                     |                      |
|------------------------------------------------|-------------------------------------|----------------------|
| Absolute Open Flow <b>21,519</b> Mcfd @ 15.025 | Angle of Slope $\theta$ <b>46.3</b> | Slope, n <b>.970</b> |
|------------------------------------------------|-------------------------------------|----------------------|

Remarks: **Certified 2 112 327 732**

Approved By Division **BASS ENTERPRISES PROD. CO.** Conducted By: **R. J. Buck** Calculated By: **R. J. Buck** Checked By: **R. J. Buck**