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| SANTA FE               |     |
| FILE                   |     |
| U.S.G.S.               |     |
| LAND OFFICE            |     |
| TRANSPORTER            | OIL |
|                        | GAS |
| OPERATOR               |     |
| PRORATION OFFICE       |     |

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

I. Operator  
**American Trading and Production Corporation**  
Address  
**P. O. Drawer 992, Midland, Texas 79701**  
Reason(s) for filing (Check proper box)  
New Well ☒ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐  
Other (Please explain)  
**Dry gas to be sold as rig fuel for drilling Southeast Lea Unit #2.**

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name **Southeast Lea Unit** Well No. **1** Pool Name, Including Formation **Undesignated - Wolfcamp** Kind of Lease **State** Lease No. **OG 3825**  
Location  
Unit Letter **J** ; **1980** Feet From The **East** Line and **1980** Feet From The **South**  
Line of Section **26** Township **20S** Range **35E** , NMPM, **Lea** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒  
**The Permian Corporation** Address (Give address to which approved copy of this form is to be sent)  
**P. O. Box 3119, Midland, Texas 79701**  
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒  
**Sharp Drilling Company** Address (Give address to which approved copy of this form is to be sent)  
**P. O. Box 1271, Midland, Texas 79701**  
If well produces oil or liquids, give location of tanks. Unit **J** Sec. **26** Twp. **20S** Rge. **35E** Is gas actually connected? **Yes** When **April 22, 1968**

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

|   |   |                                   |                                     |          |        |           |             |              |
|---|---|-----------------------------------|-------------------------------------|----------|--------|-----------|-------------|--------------|
| Designate Type of Completion - (X)                              | Oil Well  | Gas Well                          | New Well                            | Workover | Deepen | Plug Back | Same Res'v. | Diff. Res'v. |
|   |   | <b>X</b>                          | <b>X</b>                            |          |        |           |             |              |
| Date Spudded<br><b>August 18, 1967</b>                          | Date Compl. Ready to Prod.<br><b>March 11, 1968</b> | Total Depth<br><b>14,644'</b>     | P.B.T.D.<br><b>14,644'</b>          |          |        |           |             |              |
| Elevations (DF, RKB, RT, GR, etc.)<br><b>3698' KB; 3679' GR</b> | Name of Producing Formation<br><b>Wolfcamp</b>      | Top Oil/Gas Pay<br><b>11,400'</b> | Tubing Depth<br><b>11,368'</b>      |          |        |           |             |              |
| Perforations<br><b>11,400' - 11,470'</b>                        |   |                                   | Depth Casing Shoe<br><b>11,644'</b> |          |        |           |             |              |

| TUBING, CASING, AND CEMENTING RECORD |                      |                        |                |
|--------------------------------------|----------------------|------------------------|----------------|
| HOLE SIZE                            | CASING & TUBING SIZE | DEPTH SET              | SACKS CEMENT   |
| <b>17-1/2"</b>                       | <b>13-3/8"</b>       | <b>835'</b>            | <b>500 Sx</b>  |
| <b>12-1/4"</b>                       | <b>9-5/8"</b>        | <b>5502'</b>           | <b>700 Sx</b>  |
| <b>8-3/4"</b>                        | <b>7"</b>            | <b>12090'</b>          | <b>1115 Sx</b> |
| <b>6"</b>                            | <b>5" Liner</b>      | <b>11846' - 14556'</b> | <b>317 Sx</b>  |

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

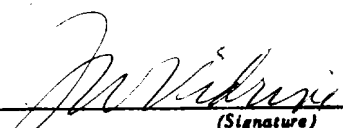
|                                 |                 |   |            |
|---------------------------------|-----------------|---|------------|
| Date First New Oil Run To Tanks | Date of Test    | Producing Method (Flow, pump, gas lift, etc.) |            |
|                                 |                 |   |            |
| Length of Test                  | Tubing Pressure | Casing Pressure                               | Choke Size |
|                                 |                 |   |            |
| Actual Prod. During Test        | Oil - Bbls.     | Water - Bbls.                                 | Gas - MCF  |
|                                 |                 |   |            |

GAS WELL

|  |  |                                       |   |
|--|--|---------------------------------------|---|
| Actual Prod. Test - MCF/D<br><b>5074</b>                 | Length of Test<br><b>2 Hrs.</b>          | Bbls. Condensate/MMCF<br><b>246</b>   | Gravity of Condensate<br><b>55.5° API</b> |
| Testing Method (pitot, back pr.)<br><b>Back Pressure</b> | Tubing Pressure (shut-in)<br><b>3400</b> | Casing Pressure (shut-in)<br><b>0</b> | Choke Size<br><b>20/64"</b>               |

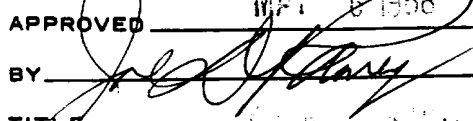
VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

  
District Engineer  
April 23, 1968  
(Date)

\*Deviation Report was filed with C-104 on

OIL CONSERVATION COMMISSION

APPROVED  , 19  
BY  
TITLE

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply

NEW MEXICO OIL CONSERVATION COMMISSION  
MULTIPOINT AND C... POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122  
Revised 9-1-65

|   |                          |                                       |  |
|---|--------------------------|---------------------------------------|--|
| Type Test<br><input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special |                          | Test Date<br>9-11-74                  |  |
| Company<br>Barber Exploration, Inc.   |                          | Connection<br>Llano, Inc.             |  |
| Pool<br>Undesignated  |                          | Formation<br>Morrow Gas               |  |
| Completion Date<br>9-8-74   |                          | Total Depth<br>14560'                 | Plug Back TD<br>13275'                   |
|   |                          | Elevation<br>3698KB                   | Farm or Lease Name<br>Southeast Lea Unit |
| Csg. Size<br>5  | Wt.<br>15.0              | Id<br>4.408                           | Perforations:<br>From 12846 To 13221     |
| Tbg. Size<br>2 3/8  | Wt.<br>4.7               | Id<br>1.995                           | Perforations:<br>From open ended         |
| Type Well - Single - Bradenhead - G.G. or G.O. Multiple<br>G.O.   |                          | Packer Set At<br>12694                | Well No.<br>1J                           |
| Producing Thru<br>Tubing  |                          | Reservoir Temp. °F<br>200             | Mean Annual Temp. °F<br>60               |
|   |                          | Baro. Press. - P <sub>a</sub><br>13.2 | Unit Sec. Twp. Rge.<br>J 26 20 35        |
| L<br>13034  | H<br>-                   | G <sub>g</sub><br>0.716               | County<br>Lea                            |
| % CO <sub>2</sub><br>0.44   | % N <sub>2</sub><br>1.18 | % H <sub>2</sub> S<br>0.00            | State<br>New Mexico                      |
| Prover  | Meter Run<br>X           | Taps<br>F                             |  |

| 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        |                  |   |              |                 |                      |             | 3895            |             | PACKER          |                  | 72.0     |
| 1.        | 2                |   | 0.375        | 410             | 79                   | 77          | 2030            | 81          |                 |                  | 2.0      |
| 2.        | 2                |   | 0.375        | 400             | 45                   | 95          | 2342            | 85          |                 |                  | 1.0      |
| 3.        | 2                |   | 0.375        | 390             | 14                   | 99          | 2707            | 85          |                 |                  | 1.0      |
| 4.        | 2                |   | 0.375        | 370             | 2                    | 100         | 3242            | 80          |                 |                  | 1.0      |
| 5.        |                  |   |              |                 |                      |             |                 |             |                 |                  |          |

| 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                         | 0.6689                | 182.84           | 423.2                   | 0.9840                | 1.182                         | 1.045                                   | 148.6                |
| 2                         | 0.6689                | 136.35           | 413.2                   | 0.9680                | 1.182                         | 1.040                                   | 108.5                |
| 3                         | 0.6689                | 75.14            | 403.2                   | 0.9645                | 1.182                         | 1.038                                   | 59.5                 |
| 4                         | 0.6689                | 27.68            | 383.2                   | 0.9636                | 1.182                         | 1.035                                   | 21.7                 |
| 5                         |                       |                  |                         |                       |                               |   |                      |

| NO. | P <sub>t</sub> | Temp. °R | T <sub>t</sub> | Z     | Gas Liquid Hydrocarbon Ratio | A.P.I. Gravity of Liquid Hydrocarbons | Specific Gravity Separator Gas | Specific Gravity Flowing Fluid | Critical Pressure | Critical Temperature |
|-----|----------------|----------|----------------|-------|------------------------------|---------------------------------------|--------------------------------|--------------------------------|-------------------|----------------------|
| 1   | 0.62           | 539      | 1.38           | 0.916 | 0.474                        | 46                                    | 0.716                          | XXXXXX                         | 680               | 391                  |
| 2   | 0.61           | 555      | 1.42           | 0.925 |                              |                                       |                                |                                |                   |                      |
| 3   | 0.59           | 559      | 1.43           | 0.929 |                              |                                       |                                |                                |                   |                      |
| 4   | 0.56           | 560      | 1.43           | 0.933 |                              |                                       |                                |                                |                   |                      |
| 5   |                |          |                |       |                              |                                       |                                |                                |                   |                      |

|                       |                                     |   |  |
|-----------------------|-------------------------------------|---|--|
| P <sub>c</sub> 7202.2 | P <sub>c</sub> <sup>2</sup> 51871.7 | (1) $\frac{P_c^2}{P_t^2 - P_w^2} = 4.716$ | (2) $\left[ \frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 3.660$ |
| 1                     | 4340.2                              | 18837.3                                   | 33034.4  |
| 2                     | 5561.2                              | 30926.9                                   | 20944.8  |
| 3                     | 6393.2                              | 40873.0                                   | 10998.7  |
| 4                     | 6965.2                              | 48514.0                                   | 3357.7   |
| 5                     |                                     |   |  |

|  |       |               |                  |        |          |       |
|--|-------|---------------|------------------|--------|----------|-------|
| Absolute Open Flow   | 218.0 | Mcfd @ 15.025 | Angle of Slope @ | 50°10' | Slope, n | 0.834 |
| Remarks: *BHP @ (-9336) 13034' used for pressure calculations. |       |               |                  |        |          |       |

|                         |                   |                |               |
|-------------------------|-------------------|----------------|---------------|
| Approved By Commission: | Conducted By:     | Calculated By: | Checked By:   |
| <i>[Signature]</i>      | Coleman Petroleum | Joe A. Coleman | J. A. Coleman |

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SEP 28 1974  
OIL CONSERVATION COMM.  
HOBBS, N. M.