

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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| TRANSPORTER            | OIL |
|                        | GAS |
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OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Amoco Production Company

Address  
P. O. Box 68 Hobbs, NM 88240

Reason(s) for filing (Check proper box)

|                                              |                                         |                                     |
|----------------------------------------------|-----------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> New Well | Change in Transporter of:               |                                     |
| <input type="checkbox"/> Recompletion        | <input type="checkbox"/> Oil            | <input type="checkbox"/> Dry Gas    |
| <input type="checkbox"/> Change in Ownership | <input type="checkbox"/> Casinghead Gas | <input type="checkbox"/> Condensate |

Other (Please explain)  
Initial Completion in Airstrip Upper Bone Springs

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

|                                                                                                                                                                                                                       |               |                                                               |                                        |                |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------|----------------------------------------|----------------|---------------------|
| Lease Name<br>State HQ                                                                                                                                                                                                | Well No.<br>4 | Pool Name, including Formation<br>Airstrip Upper Bone Springs | Kind of Lease<br>State, Federal or Fee | State<br>State | Lease No.<br>L-3674 |
| Location<br>Unit Letter <u>N</u> ; <u>590</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>West</u><br>Line of Section <u>26</u> Township <u>18-S</u> Range <u>34-E</u> , NMPM, <u>Lea</u> County |               |                                                               |                                        |                |                     |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

|                                                                                                                                                       |                                                                                                              |            |              |              |                                   |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------|--------------|--------------|-----------------------------------|----------------|
| Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/><br>Amoco Production Company (Trucks) | Address (Give address to which approved copy of this form is to be sent)<br>P. O. Box 1183 Houston, TX 77001 |            |              |              |                                   |                |
| Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/><br>Warren Petroleum Company             | Address (Give address to which approved copy of this form is to be sent)<br>P. O. Box 1589 Tulsa, OK         |            |              |              |                                   |                |
| If well produces oil or liquid,<br>give location of tanks.                                                                                            | Unit<br>N                                                                                                    | Sec.<br>26 | Twp.<br>18-S | Rge.<br>34-E | Is gas actually connected?<br>Yes | When<br>5-1-84 |

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

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

Gary C. Clark  
(Signature)  
Assistant Administrative Analyst  
(Title)  
5-3-84  
(Date)

0+5 NMOCD, H 1-J. R. Barnett, Hou  
1-F. J. Nash, Hou 1-GCC

OIL CONSERVATION DIVISION

APPROVED MAY 7 1984, 19  
BY ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR  
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 completed wells.

#### IV. COMPLETION DATA

|                                                                    |                                                    |                       |                          |                    |                       |                   |            |              |
|--------------------------------------------------------------------|----------------------------------------------------|-----------------------|--------------------------|--------------------|-----------------------|-------------------|------------|--------------|
| Designate Type of Completion - (X)                                 | Oil Well<br>X                                      | Gas Well              | New Well<br>X            | Workover           | Deepen                | Plug Back         | Same Res'v | Diff. Res'v. |
| Date Spudded<br>3-10-84                                            | Date Compl. Ready to Prod.<br>5/2/84               | Total Depth<br>10,900 |                          | P.B.T.D.<br>10,825 |                       |                   |            |              |
| Elevations (DF, R&B, RT, GR, etc.)<br>3981.7' GR                   | Name of Producing Formation<br><b>Bone Springs</b> |                       | Top Oil/Gas Pay<br>9378' |                    | Tubing Depth<br>9280' |                   |            |              |
| Perforations<br>9378-90', 9392-9402', 9404-12' and 9420-28' w/USPF |                                                    |                       |                          |                    |                       | Depth Casing Shoe |            |              |
| TUBING, CASING, AND CEMENTING RECORD                               |                                                    |                       |                          |                    |                       |                   |            |              |
| HOLE SIZE                                                          | CASING & TUBING SIZE                               |                       | DEPTH SET                |                    | SACKS CEMENT          |                   |            |              |
| 17 1/2"                                                            | 13 3/8"                                            |                       | 320'                     |                    | 320 Class 'C'         |                   |            |              |
| 11'                                                                | 8 5/8"                                             |                       | 4020'                    |                    | 1375 'C' Lite w/add   |                   |            |              |
|                                                                    |                                                    |                       |                          |                    | 400 'C' Neat          |                   |            |              |
| *See Attachment                                                    |                                                    |                       |                          |                    |                       |                   |            |              |

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (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<br>4-29-84 | Date of Test<br>5-1-84             | Producing Method (Flow, pump, gas lift, etc.)<br>flow |                     |
| Length of Test<br>24 hrs.                  | Tubing Pressure<br>780 psi flowing | Casing Pressure                                       | Choke Size<br>12/64 |
| Actual Prod. During Test<br>323 bbls       | Oil - Ebbs.<br>282                 | Water - Ebbs.<br>41                                   | Gas - MCF<br>52     |

#### GAS WELL

|                                  |                           |                           |                       |
|----------------------------------|---------------------------|---------------------------|-----------------------|
| Actual Prod. Test - MCF/D        | Length of Test            | Bbls. Condensate/MMCF     | Gravity of Condensate |
| Testing Method (pilot, back pr.) | Tubing Pressure (Shut-in) | Casing Pressure (Shut-in) | Choke Size            |

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C-104 Continued  
STATE HQ #4

\* IV.

TUBING CASING AND CEMENTING RECORD

| <u>Hole Size</u> | <u>Casing &amp; Tubing Size</u> | <u>Depth Set</u> | <u>Sacks Cement</u>      |
|------------------|---------------------------------|------------------|--------------------------|
| 7 7/8"           | 5 1/2"                          | 10,900           | 800 Class 'H' Lite w/add |
|                  | 2 7/8"                          | 9,280            | 2000 Class 'H' w/add     |

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