

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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| TRANSPORTER            | OIL | ✓ |
|                        | GAS |   |
| OPERATOR               |     | ✓ |
| PRODUCTION OFFICE      |     |   |

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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| RECEIVED BY  |
| SEP 10 1984  |
| O. C. D. Form C-104<br>Revised 10-0-78<br>ARTESIA, OFFICE<br>Format 06-01-83<br>Page 1 |

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

|  |  |
|--|--|
| I. Operator<br>Yates Drilling Company  |  |
| Address<br>207 South 4th Street, Artesia, N.M. 88210   |  |
| Reason(s) for filing (Check proper box)  | Other (Please explain)   |
| <input checked="" type="checkbox"/> New Well (Re-entry)<br><input type="checkbox"/> Recompletion<br><input type="checkbox"/> Change in Ownership | Change in Transporter of:<br><input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas<br><input type="checkbox"/> Casingshead Gas <input type="checkbox"/> Condensate |

If change of ownership give name  
and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

|   |               |   |  |                       |
|---|---------------|---|--|-----------------------|
| Lease Name<br>South Loco Hills Unit   | Well No.<br>2 | Pool Name, including Formation<br>Loco Hills-Q-G-SA | Kind of Lease<br>State, Federal or Fee Federal | Lease No.<br>NM-54183 |
| Location<br>Unit Letter <u>B</u> : <u>990</u> Feet From The <u>North</u> Line and <u>1980'</u> Feet From The <u>East</u><br>Line of Section <u>19</u> Township <u>18S</u> Range <u>29E</u> , NMPM, <u>Eddy</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>Navajo Refining Company | Address (Give address to which approved copy of this form is to be sent)<br>P.O. Box 159, Artesia, N.M. 88210 |
| Name of Authorized Transporter of Casingshead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>                              | Address (Give address to which approved copy of this form is to be sent)                                      |
| If well produces oil or liquids,<br>give location of tanks.   | Unit Sec. Twp. Rge.<br>H 19 18S 29E   |
| Is gas actually connected? When.  |   |

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.

Karen Lindman  
(Signature)  
Production Clerk  
(Title)  
9/5/84  
(Date)

OIL CONSERVATION DIVISION  
SEP 14 1984  
APPROVED \_\_\_\_\_, 19  
BY Original Signed By  
Mike Williams  
TITLE Oil & Gas Inspector

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.

|                 |
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| ARTESIA, OFFICE |

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Revised 10-01-78  
Form 06-01-83  
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#### IV. COMPLETION DATA

| Designate Type of Completion - (X)             | Oil Well                                | Gas Well                 | New Well     | Workover | Deepen                    | Plug Back | Same Res'v. | Diff. Res'v. |
|--|---|--------------------------|--------------|----------|---------------------------|-----------|-------------|--------------|
|  | X                                       | -                        | X (Re-entry) |          |                           |           |             |              |
| Date Spudded<br>7/26/84 (Re-entry)             | Date Compl. Ready to Prod.<br>8/4/84    | Total Depth<br>2458'     |              |          | P.B.T.D.<br>2455'         |           |             |              |
| Elevations (DF, RKB, RT, GR, etc.)<br>3571' DF | Name of Producing Formation<br>Grayburg | Top Oil/Gas Pay<br>2375' |              |          | Tubing Depth<br>2360'     |           |             |              |
| Perforations<br>2375'-81' & 2414'-25'          |   |                          |              |          | Depth Casing Shoe<br>322' |           |             |              |

#### TUBING, CASING, AND CEMENTING RECORD

| HOLE SIZE                          | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT |
|------------------------------------|----------------------|-----------|--------------|
| 10"                                | 8 5/8"               | 322'      | 100 SXS.     |
| 8"                                 | 5 1/2"               | 1889'     | 100 SXS.     |
| * 7 7/8"                           | 5 1/2"               | 2460'     | 100 SXS.     |
| *(from original completion) 2 3/8" |                      | 2360'     |              |

#### 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>8/4/84 | Date of Test<br>8/4/84 | Producing Method (Flow, pump, gas lift, etc.)<br>Pumping |                 |
| Length of Test<br>24 hrs.                 | Tubing Pressure<br>-   | Casing Pressure<br>-                                     | Choke Size<br>- |
| Actual Prod. During Test<br>78 bbls       | Oil-Bbls.<br>14        | Water-Bbls.<br>64  | Gas-MCF<br>-    |

#### GAS WELL

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