

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

|                                        |                                                                        |
|----------------------------------------|------------------------------------------------------------------------|
| API NO. (assigned by OCD on New Wells) | 30-02531309                                                            |
| 5. Indicate Type of Lease              | STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.           | B2411                                                                  |

|                                                                                                                                                                     |                |                                         |                                                                |                                |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------|----------------------------------------------------------------|--------------------------------|----------|
| APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK                                                                                                               |                |                                         |                                                                |                                |          |
| 1a. Type of Work:<br>DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> |                |                                         | 7. Lease Name or Unit Agreement Name<br>LOVINGTON PADDOCK UNIT |                                |          |
| b. Type of Well:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                                   |                |                                         | 8. Well No.<br>102                                             |                                |          |
| 2. Name of Operator<br>GREENHILL PETROLEUM CORPORATION                                                                                                              |                |                                         | 9. Pool name or Wildcat<br>LOVINGTON PADDOCK                   |                                |          |
| 3. Address of Operator<br>11490 WESTHEIMER, STE., 200, HOUSTON, TX 77077                                                                                            |                |                                         |                                                                |                                |          |
| 4. Well Location<br>Unit Letter <u>B</u> : 290 Feet From The NORTH Line and 2755 Feet From The WEST East Line                                                       |                |                                         |                                                                |                                |          |
| Section 36                                                                                                                                                          |                | Township 16S                            |                                                                | Range 36E                      |          |
|                                                                                                                                                                     |                |                                         |                                                                | NMPM LEA County                |          |
|                                                                                                                                                                     |                | 10. Proposed Depth<br>6600              |                                                                | 11. Formation<br>PADDOCK       |          |
|                                                                                                                                                                     |                | 12. Rotary or C.T.                      |                                                                |                                |          |
| 13. Elevations (Show whether DF, RT, GR, etc.)<br>3841.9                                                                                                            |                | 14. Kind & Status Plug. Bond<br>ON FILE |                                                                | 15. Drilling Contractor<br>TBD |          |
|                                                                                                                                                                     |                | 16. Approx. Date Work will start        |                                                                |                                |          |
| 17. PROPOSED CASING AND CEMENT PROGRAM                                                                                                                              |                |                                         |                                                                |                                |          |
| SIZE OF HOLE                                                                                                                                                        | SIZE OF CASING | WEIGHT PER FOOT                         | SETTING DEPTH                                                  | SACKS OF CEMENT                | EST. TOP |
| 12 1/4                                                                                                                                                              | 8 5/8          | 24                                      | 2050                                                           | 900                            | SURFACE  |
| 7 7/8                                                                                                                                                               | 5 1/2          | 15.5                                    | 6600                                                           | TO BE DETERMINED               | SURFACE  |
|                                                                                                                                                                     |                |                                         |                                                                | BY FLD. CALIPER                |          |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Michael J. Newport TITLE LAND MANAGER-PERMIAN BASIN DATE 6-18-91  
TYPE OR PRINT NAME MICHAEL J. NEWPORT TELEPHONE NO. 589-8484  
955-1146

(This space for State Use)

Orig. Signed by  
Paul Kautz  
Geologist

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NAL-3022 as amended

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

Submit to Appropriate  
District Office  
Sale Lease - 4 copies  
Fee Lease - 3 copies

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Energy, Minerals and Natural Resources Department

Form C-182  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
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WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                                                                                   |                                  |                      |                                 |               |                                  |
|---------------------------------------------------------------------------------------------------|----------------------------------|----------------------|---------------------------------|---------------|----------------------------------|
| Operator<br>Greenhill Petroleum Corp.                                                             |                                  |                      | Lease<br>Lovington Paddock Unit |               | Well No.<br>102                  |
| Unit Letter<br>B                                                                                  | Section<br>36                    | Township<br>16 South | Range<br>36 East                | County<br>Lea |                                  |
| Actual Footage Location of Well:<br>2525 feet from the East line and 290 feet from the North line |                                  |                      |                                 |               |                                  |
| Ground level Elev.<br>3841.9'                                                                     | Producing Formation<br>✓ Paddock |                      | Pool<br>✓ Lovington Paddock     |               | Dedicated Acreage:<br>✓ 40 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

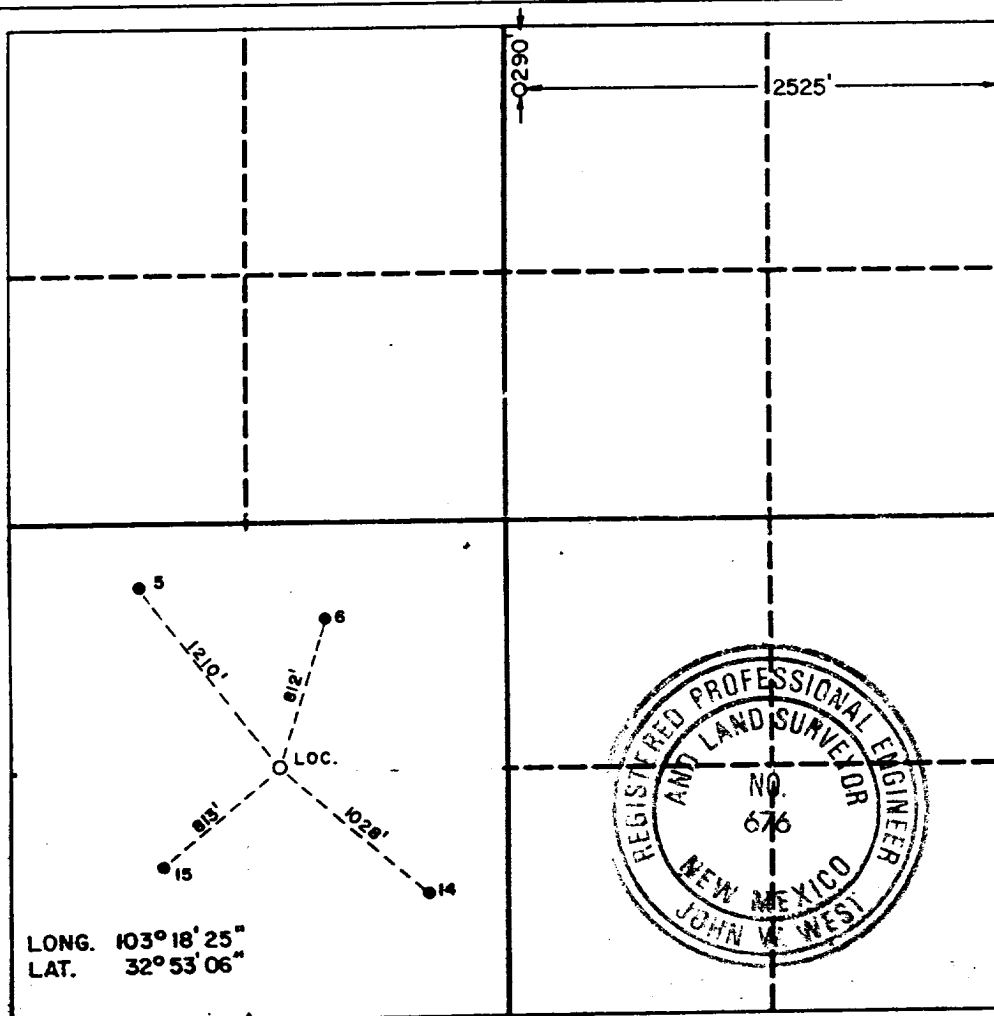
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
*Michael J. Newport*  
Printed Name  
MICHAEL J. NEWPORT  
Position  
LAND MANAGER-PERMIAN BASIN  
Company  
GREENHILL PETROLEUM CORP.  
Date  
7/12/91

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
June 1, 1991

Signature & Seal of  
Professional Surveyor

*John W. West*  
Professional No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239

GREENHILL PETROLEUM CORPORATION  
BOP PROGRAM FOR  
LOVINGTON PADDOCK WELL # 102

| <u>Casing Program</u> |       |      |          | <u>BOP Program</u> |               |
|-----------------------|-------|------|----------|--------------------|---------------|
| Size                  | Depth | Wt   | Grade    | Configuration      | Test Pressure |
| 8 5/8"                | 2050' | 24   | H40, STC | RA                 | 200' psi      |
| 5 1/2"                | 6600' | 15.5 | K55, STC | RR                 | 250/1500 psi  |

\* RR - Ram Ram

RA - Ram Annular

Diverter - Hydrill may be substituted for a diverter