

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                        |                                                      |                               |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>LEGACY RESERVES OPERATING, LP<br>P. O. BOX 10848<br>MIDLAND , TX 79702 |                                                      | 2. OGRID Number<br>240974     |
|                                                                                                        |                                                      | 3. API Number<br>30-025-38322 |
| 4. Property Code<br>302908                                                                             | 5. Property Name<br>LANGLIE MATTIX PENROSE SAND UNIT | 6. Well No.<br>106            |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| J        | 21      | 22S      | 37E   | J       | 2550      | S        | 1370      | E        | LEA    |

**8. Pool Information**

|                                  |       |
|----------------------------------|-------|
| LANGLIE MATTIX;7 RVRS-Q-GRAYBURG | 37240 |
|----------------------------------|-------|

**Additional Well Information**

|                                                                                                                                                                                                                                                                                                                                                                 |                            |                                                  |                           |                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------|---------------------------|---------------------------------------------|
| 9. Work Type<br>New Well                                                                                                                                                                                                                                                                                                                                        | 10. Well Type<br>OIL       | 11. Cable/Rotary                                 | 12. Lease Type<br>Private | 13. Ground Level Elevation<br>3354          |
| 14. Multiple<br>N                                                                                                                                                                                                                                                                                                                                               | 15. Proposed Depth<br>3850 | 16. Formation<br>Penrose                         | 17. Contractor            | 18. Spud Date<br>3/15/2007                  |
| Depth to Ground water<br>75                                                                                                                                                                                                                                                                                                                                     |                            | Distance from nearest fresh water well<br>> 1000 |                           | Distance to nearest surface water<br>> 1000 |
| Pit: Liner: Synthetic <input checked="" type="checkbox"/> 20 _____mils thick Clay <input type="checkbox"/> Pit Volume: 3500 _____bbls Drilling Method:<br>Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> |                            |                                                  |                           |                                             |

**19. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 11        | 8.625       | 24               | 1200          | 525             | 0             |
| Prod | 7.875     | 5.5         | 15.5             | 3850          | 975             | 0             |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

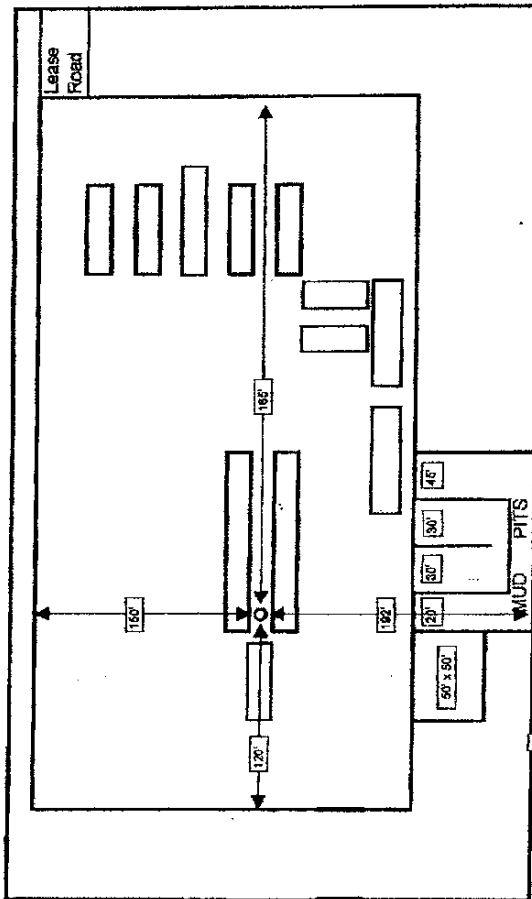
**Proposed Blowout Prevention Program**

| Type    | Working Pressure | Test Pressure | Manufacturer |
|---------|------------------|---------------|--------------|
| Annular | 2000             | 2000          | Weatherford  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------|
| I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .<br>Printed Name: Electronically filed by Travis McGraw<br>Title:<br>Email Address: tmgraw@legacylp.com<br>Date: 2/14/2007   Phone: 432-682-2516 | OIL CONSERVATION DIVISION       |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Approved By: Chris Williams     |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Title: District Supervisor      |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Approved Date: 3/23/2007        | Expiration Date: 3/23/2008 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Conditions of Approval Attached |                            |

Drilling Rig Pad Schematic  
*United Drilling - Standard*  
 Lea County, New Mexico

Wellbore is 40' North of the pit



District I  
1625 N. French Dr., Hobbs NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                     |  |                                                                |  |                                                                           |                                 |
|-------------------------------------|--|----------------------------------------------------------------|--|---------------------------------------------------------------------------|---------------------------------|
| <sup>1</sup> API Number<br>30-025-  |  | <sup>2</sup> Pool Code<br>37240                                |  | <sup>3</sup> Pool Name<br>Langley Mattix Seven Rivers Queen Grayburg Sand |                                 |
| <sup>4</sup> Property Code<br>33149 |  | <sup>5</sup> Property Name<br>Langley Mattix Penrose Sand Unit |  |                                                                           | <sup>6</sup> Well Number<br>106 |
| <sup>7</sup> OGED No.<br>240974     |  | <sup>8</sup> Operator Name<br>Legacy Reserves Operating, L.P.  |  |                                                                           | <sup>9</sup> Elevation<br>3354' |

<sup>10</sup>Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| J             | 21      | 22 S     | 37 E  |         | 2550          | South            | 1370          | East           | Lea    |

<sup>11</sup>Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                                     |                               |                                  |                                                  |
|-------------------------------------|-------------------------------|----------------------------------|--------------------------------------------------|
| <sup>12</sup> Dedicated Acres<br>40 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br>Waterflood Unit R3247 |
|-------------------------------------|-------------------------------|----------------------------------|--------------------------------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|    |  |  |  |                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----|--|--|--|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16 |  |  |  | <p>NAD 83 NM E<br/>N= 502904<br/>E= 902379</p> <p>LMPSU 106<br/>Elev. 3354'</p> <p>1370'</p> <p>2550'</p> | <p><sup>17</sup>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Kent Williams</i></p> <p>Signature</p> <p>Kent Williams</p> <p>Printed Name</p> <p>Petroleum Engineer</p> <p>Title and E-mail Address</p> <p>2/8/07</p> <p>Date</p>                                                                                    |
|    |  |  |  |                                                                                                           | <p><sup>18</sup>SURVEYOR CERTIFICATION</p> <p>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 belief.</p> <p>January 25, 2007</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><i>Michael L. Stanford</i></p> <p>Certificate Number 10324</p> |
|    |  |  |  |                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|    |  |  |  |                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    |

4.2 Miles South of Eunice, New Mexico.

File No. A-3296A.DWG

## Permit Comments

**Operator:** LEGACY RESERVES OPERATING, LP , 240974  
**Well:** LANGLEIE MATTIX PENROSE SAND UNIT #106  
**API:** 30-025-38322

| Created By    | Comment                                              | Comment Date |
|---------------|------------------------------------------------------|--------------|
| TMCGRAWLEGACY | Will submit drilling prognosis, H2S, BOP & topo map. | 2/14/2007    |

# Permit Conditions of Approval

Operator: LEGACY RESERVES OPERATING, LP , 240974

Well: LANGLEIE MATTIX PENROSE SAND UNIT #106

API: 30-025-38322

| OCD<br>Reviewer | Condition                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| pkautz          | Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines |