

**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>APACHE CORP<br>6120 S. YALE<br>TULSA, OK 74136 |  | 2. OGRID Number<br>873        |
| 4. Property Code<br>306605   |  | 3. API Number<br>30-025-39549 |
| 5. Property Name<br>LOU WORTHAN  |  | 6. Well No.<br>003            |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| B        | 11      | 22S      | 37E   | B       | 990       | N        | 2310      | E        | LEA    |

**8. Pool Information**

|                            |       |
|----------------------------|-------|
| WANTZ;GRANITE WASH         | 62730 |
| DRINKARD                   | 19190 |
| TUBB OIL AND GAS (OIL)     | 60240 |
| BLINEBRY OIL AND GAS (OIL) | 6660  |

**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>3351 |
| 14. Multiple<br>Y  | 15. Proposed Depth<br>7900 | 16. Formation<br>Granite Wash          | 17. Contractor            | 18. Spud Date                      |
| Depth to Ground water<br>35  |                            | Distance from nearest fresh water well |                           | Distance to nearest surface water  |
| Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ 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 | 12.25     | 9.625       | 40               | 1100          | 600             | 0             |
| Prod | 8.75      | 5.5         | 17               | 7900          | 1600            | 0             |

**Casing/Cement Program: Additional Comments**

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

**Proposed Blowout Prevention Program**

| Type      | Working Pressure | Test Pressure | Manufacturer |
|-----------|------------------|---------------|--------------|
| DoubleRam | 2000             | 2000          |              |

|  |                                  |                             |
|--|----------------------------------|-----------------------------|
| 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 type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> . | <b>OIL CONSERVATION DIVISION</b> |                             |
| Printed Name: Electronically filed by Lana Williams  | Approved By: Paul Kautz          |                             |
| Title: Engineering Tech  | Title: Geologist                 |                             |
| Email Address: lana.williams@apachecorp.com  | Approved Date: 10/23/2009        | Expiration Date: 10/23/2011 |
| Date: 10/19/2009   | Phone: 918-491-4900              |                             |

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Form C-102  
Permit 104022

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |                                 |                                    |
|-------------------------------|---------------------------------|------------------------------------|
| 1. API Number<br>30-025-39549 | 2. Pool Code<br>62730           | 3. Pool Name<br>WANTZ;GRANITE WASH |
| 4. Property Code<br>306605    | 5. Property Name<br>LOU WORTHAN | 6. Well No.<br>003                 |
| 7. OGRID No.<br>873           | 8. Operator Name<br>APACHE CORP | 9. Elevation<br>3351               |

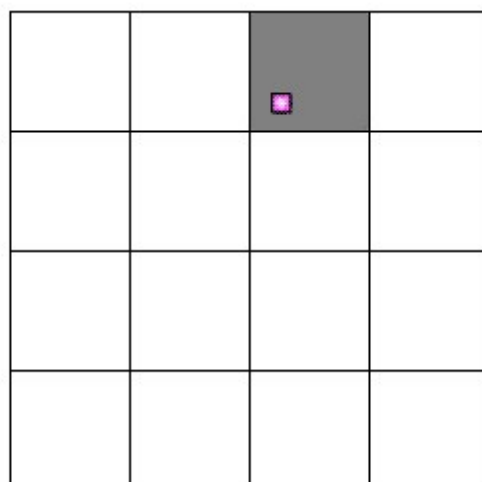
**10. Surface Location**

|               |               |                 |              |              |                  |               |                   |               |               |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|
| UL - Lot<br>B | Section<br>11 | Township<br>22S | Range<br>37E | Lot Idn<br>B | Feet From<br>990 | N/S Line<br>N | Feet From<br>2310 | E/W Line<br>E | County<br>LEA |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|

**11. Bottom Hole Location If Different From Surface**

|                              |                     |                        |               |         |           |          |           |          |        |
|------------------------------|---------------------|------------------------|---------------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot                     | Section             | Township               | Range         | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| 12. Dedicated Acres<br>40.00 | 13. Joint or Infill | 14. Consolidation Code | 15. Order No. |         |           |          |           |          |        |

**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**



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: Lana Williams  
Title: Engineering Tech  
Date: 10/19/2009

**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 belief.*

Surveyed By: Gary Jones  
Date of Survey: 10/2/2009  
Certificate Number: 7977



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Form C-102  
 Permit 104022

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |                                 |                          |
|-------------------------------|---------------------------------|--------------------------|
| 1. API Number<br>30-025-39549 | 2. Pool Code<br>19190           | 3. Pool Name<br>DRINKARD |
| 4. Property Code<br>306605    | 5. Property Name<br>LOU WORTHAN | 6. Well No.<br>003       |
| 7. OGRID No.<br>873           | 8. Operator Name<br>APACHE CORP | 9. Elevation<br>3351     |

**10. Surface Location**

|               |               |                 |              |              |                  |               |                   |               |               |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|
| UL - Lot<br>B | Section<br>11 | Township<br>22S | Range<br>37E | Lot Idn<br>B | Feet From<br>990 | N/S Line<br>N | Feet From<br>2310 | E/W Line<br>E | County<br>LEA |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|

**11. Bottom Hole Location If Different From Surface**

|                              |                     |                        |               |         |           |          |           |          |        |
|------------------------------|---------------------|------------------------|---------------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot                     | Section             | Township               | Range         | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| 12. Dedicated Acres<br>40.00 | 13. Joint or Infill | 14. Consolidation Code | 15. Order No. |         |           |          |           |          |        |

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|-------------------------------|---------------------------------|--|
| 1. API Number<br>30-025-39549 | 2. Pool Code<br>60240           | 3. Pool Name<br>TUBB OIL AND GAS (OIL) |
| 4. Property Code<br>306605    | 5. Property Name<br>LOU WORTHAN | 6. Well No.<br>003                     |
| 7. OGRID No.<br>873           | 8. Operator Name<br>APACHE CORP | 9. Elevation<br>3351                   |

**10. Surface Location**

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| 4. Property Code<br>306605    | 5. Property Name<br>LOU WORTHAN | 6. Well No.<br>003                         |
| 7. OGRID No.<br>873           | 8. Operator Name<br>APACHE CORP | 9. Elevation<br>3351                       |

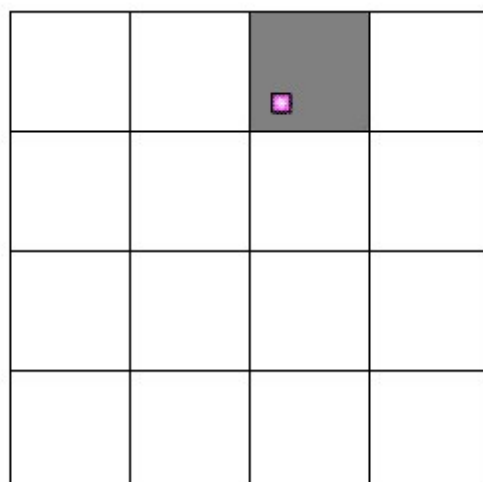
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