

**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>ENERGEN RESOURCES CORPORATION<br>605 21ST STREET NORTH<br>BIRMINGHAM , AL 352032707 |                                | 2. OGRID Number<br>162928     |
|   |                                | 3. API Number<br>30-025-38598 |
| 4. Property Code<br>36812   | 5. Property Name<br>HAHN STATE | 6. Well No.<br>001            |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| P        | 15      | 14S      | 33E   | P       | 900       | S        | 330       | E        | LEA    |

**8. Pool Information**

|                  |   |
|------------------|---|
| Wildcat Devonian | 0 |
|------------------|---|

**Additional Well Information**

|  |                             |  |                         |   |
|--|-----------------------------|--|-------------------------|---|
| 9. Work Type<br>New Well   | 10. Well Type<br>OIL        | 11. Cable/Rotary                                 | 12. Lease Type<br>State | 13. Ground Level Elevation<br>4200          |
| 14. Multiple<br>N  | 15. Proposed Depth<br>14000 | 16. Formation<br>Devonian                        | 17. Contractor          | 18. Spud Date                               |
| Depth to Ground water<br>90  |                             | Distance from nearest fresh water well<br>> 1000 |                         | Distance to nearest surface water<br>> 1000 |
| Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____mils thick Clay <input type="checkbox"/> Pit Volume: 12000 _____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 | 17.5      | 13.375      | 48               | 400           | 400             | 0             |
| Int1 | 12.25     | 9.625       | 40               | 6000          | 2000            | 0             |
| Prod | 8.75      | 5.5         | 17               | 14000         | 1500            | 5500          |

**Casing/Cement Program: Additional Comments**

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

**Proposed Blowout Prevention Program**

|           |                  |               |              |
|-----------|------------------|---------------|--------------|
| Type      | Working Pressure | Test Pressure | Manufacturer |
| DoubleRam | 5000             | 5000          | Shaffer      |

|   |   |  |
|---|---|--|
| 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 Vicki Donaghey<br>Title: Regulatory Analyst<br>Email Address: vdonaghe@energen.com<br>Date: 10/30/2007   Phone: 505-325-6800 | OIL CONSERVATION DIVISION                               |  |
|   | Approved By: Paul Kautz                                 |  |
|   | Title: Geologist  |  |
|   | Approved Date: 10/31/2007   Expiration Date: 10/31/2008 |  |
|   | Conditions of Approval Attached                         |  |

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. Frances Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                     |  |                      |
|---------------------|--|----------------------|
| API Number          | Pool Code<br>97455                             | Pool Name<br>WILDCAT |
| Property Code       | Property Name<br>HAHN STATE                    | Well Number<br>1     |
| OGRID No.<br>162928 | Operator Name<br>ENERGEN RESOURCES CORPORATION | Elevation<br>4200'   |

Surface Location

|                    |               |                  |               |         |                      |                           |                      |                        |               |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|
| UL or lot No.<br>P | Section<br>15 | Township<br>14 S | Range<br>33 E | Lot Idn | Feet from the<br>900 | North/South line<br>SOUTH | Feet from the<br>330 | East/West line<br>EAST | County<br>LEA |
|--------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|---------------|

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 |
|                       |                 |                    |       |           |               |                  |               |                |        |
| Dedicated Acres<br>40 | Joint or Infill | Consolidation Code |       | 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

|   |  |  |  |  |
|---|--|--|--|--|
| NOTE:<br>1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values. |  |  |  |  |
|   |  |  |  |  |
|   |  |  |  |  |
|   |  |  |  |  |
|   |  |  |  | Plane Coordinate<br>X = 726,336.1<br>Y = 764,585.9 |

OPERATOR CERTIFICATION

I hereby certify the 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 undivided mineral interest in the land including the proposed bottom hole location 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.

*Carolyn Larson*  
Signature Date  
Carolyn Larson 10/29/07  
Printed Name

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.

October 10, 2007

Date of Survey LVA  
Signature & Seal of Professional Surveyor

*W.O. Num. 2007-1026*

Certificate No. MACON McDONALD 12185

# Permit Conditions of Approval

Operator: ENERGEN RESOURCES CORPORATION , 162928

Well: HAHN STATE #001

API: 30-025-38598

| 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 |