

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-101  
May 27, 2004

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

Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

|   |                                     |  |
|---|-------------------------------------|--|
| <sup>1</sup> Operator Name and Address<br>Energen Resources Corporation<br>3300 N. A St., Bldg. 4, Ste. 100 Midland, TX 79705 |                                     | <sup>2</sup> OGRID Number<br>162928      |
|   |                                     | <sup>3</sup> API Number<br>30- 025-34100 |
| <sup>4</sup> Property Code<br>21152   | <sup>5</sup> Property Name<br>Hodge | <sup>6</sup> Well No.<br>1               |
| <sup>9</sup> Proposed Pool 1<br>Trinity: Devonian   |                                     | <sup>10</sup> Proposed Pool 2            |

<sup>7</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 |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
| M             | 27      | 12-S     | 38-E  |          | 495           | South            | 495           | West           | Lea    |

<sup>8</sup> Proposed 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 |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |          |               |                  |               |                |        |

Additional Well Location

|  |   |  |                                    |   |
|--|---|--|------------------------------------|---|
| <sup>11</sup> Work Type Code<br>D  | <sup>12</sup> Well Type Code<br>O       | <sup>13</sup> Cable/Rotary<br>R                  | <sup>14</sup> Lease Type Code<br>P | <sup>15</sup> Ground-Level Elevation<br>3807' |
| <sup>16</sup> Multiple<br>No   | <sup>17</sup> Proposed Depth<br>12,168' | <sup>18</sup> Formation<br>Devonian              | <sup>19</sup> Contractor           | <sup>20</sup> Spud Date                       |
| Depth to ground water<br>42'   |   | Distance from nearest fresh water well<br>>1000' |                                    | Distance from nearest surface water           |
| Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume 10M bbls Drilling Method:<br>Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> |   |  |                                    |   |

<sup>21</sup> Proposed Casing and Cement Program

| Hole Size  | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|--|-------------|--------------------|---------------|-----------------|---------------|
| 17-1/2"  | 13-3/8"     | 48.00#             | 395'          | 450             | Surface       |
| 12-1/4" - 11"  | 8-5/8"      | 32.00#             | 4509'         | 1400            | Surface       |
| 7-7/8"   | 5-1/2"      | 17.00#             | 12,133'       | 950             | 8030'         |
| Permit Expires 1 Year From Approval Date Unless Sealing Underway |             |                    |               |                 | Deepen        |

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

MIRU Pulling Unit - Install rod stripper. POOH w/rod string. Install BOPE. Release tubing anchor and POOH w/tubing string. RIH w/4-3/4" bit, 6-3-1/2" drill collars on 2-7/8" tubing. Drill up CIBP sitting on bottom of hole. Deepen Devonian by 30' to 12,168'. Pump gel sweeps to clean hole as needed. POOH. RIH w/packer w/tailpipe. Hydrotest tubing to 7000 psi while running in hole. Run tail pipe to TD. Spot acid in open hole. PUH w/pkr so tailpipe is out of open hole. Acidize per service company recom. Swab well back. RIH w/prod. equip. Remove BOPE & install wellhead. POP. RD pulling unit.

|  |                       |   |  |
|--|-----------------------|---|--|
| <sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. 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"/> . |                       | OIL CONSERVATION DIVISION                   |  |
| Signature: Carolyn Larson  |                       | Approved by:                                |  |
| Printed name: Carolyn Larson   |                       | Title: PETROLEUM ENGINEER                   |  |
| Title: Regulatory Analyst  |                       | Approval Date: JUL 13 2005 Expiration Date: |  |
| E-mail Address: clarson@energen.com  |                       | Conditions of Approval:                     |  |
| Date: 7-8-05   | Phone: (432) 684-3693 | Attached <input type="checkbox"/>           |  |