

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised March 17, 1999

Submit to appropriate District Office  
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☐ AMENDED REPORT

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

|                                                                                                            |                                                               |                                                |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------|
| <sup>1</sup> Operator Name and Address<br><b>Sonat Raton, L.L. C.<br/>P.O. Box 190<br/>Raton, NM 87740</b> |                                                               | <sup>2</sup> OGRID Number<br><b>180514</b>     |
|                                                                                                            |                                                               | <sup>3</sup> API Number<br><b>30-007-20158</b> |
| <sup>3</sup> Property Code<br><b>25180</b>                                                                 | <sup>5</sup> Property Name<br><b>Vermejo Park Ranch (VPR)</b> | <sup>6</sup> Well No.<br><b>VPR - B'-21</b>    |

<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        |
|---------------|-----------|------------|------------|----------|---------------|------------------|---------------|----------------|---------------|
| <b>I</b>      | <b>25</b> | <b>30N</b> | <b>18E</b> | <b>I</b> | <b>1409'</b>  | <b>SOUTH</b>     | <b>1254'</b>  | <b>EAST</b>    | <b>Colfax</b> |

<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 |
|------------------------------------------------|---------|----------|-------|---------|---------------|-----------------------------------------------|---------------|----------------|--------|
| <sup>9</sup> Proposed Pool 1<br><b>Vermejo</b> |         |          |       |         |               | <sup>10</sup> Proposed Pool 2<br><b>Raton</b> |               |                |        |

|                                          |                                              |                                                 |                                                  |                                                           |
|------------------------------------------|----------------------------------------------|-------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|
| <sup>11</sup> Work Type Code<br><b>N</b> | <sup>12</sup> Well Type Code<br><b>G</b>     | <sup>13</sup> Cable/Rotary<br><b>ROTARY/AIR</b> | <sup>14</sup> Lease Type Code<br><b>P</b>        | <sup>15</sup> Ground Level Elevation<br><b>8115' (GL)</b> |
| <sup>16</sup> Multiple<br><b>Yes</b>     | <sup>17</sup> Proposed Depth<br><b>2900'</b> | <sup>18</sup> Formation<br><b>Trinidad</b>      | <sup>19</sup> Contractor<br><b>Not Available</b> | <sup>20</sup> Spud Date<br><b>January 30, 2000</b>        |

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

| Hole Size     | Casing Size   | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC  |
|---------------|---------------|--------------------|---------------|-----------------|----------------|
| <b>11"</b>    | <b>8 5/8"</b> | <b>23#</b>         | <b>350'</b>   | <b>100 sx.</b>  | <b>SURFACE</b> |
| <b>7 7/8"</b> | <b>5 1/2</b>  | <b>15.50#</b>      | <b>2900'</b>  | <b>300 sx.</b>  | <b>SURFACE</b> |
|               |               |                    |               |                 |                |
|               |               |                    |               |                 |                |
|               |               |                    |               |                 |                |

<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.

1. Drill 11" hole to +/- 350' with air.
2. Set 8 5/8" surface casing and cement to surface with 100sks of cement.
3. Drill 7 7/8" hole to 2900' with air. Run open hole logs.
4. Set 5 1/2" production casing to TD and cement to surface. Cement volumes calculated from openhole logs.
5. Perforate and stimulate Vermejo and/or Raton Coals. Clean outwellbore and run production equipment.

|                                                                                                                                                               |  |                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------|--|
| <sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <u>DR Lankford</u> |  | <b>OIL CONSERVATION DIVISION</b>                              |  |
| Printed name: Donald R. Lankford                                                                                                                              |  | Approved by: <u>[Signature]</u>                               |  |
| Title: Senior Petroleum Engineer                                                                                                                              |  | Title: <b>DISTRICT SUPERVISOR</b>                             |  |
| Date: 01/20/2000                                                                                                                                              |  | Approval Date: <u>1/21/00</u> Expiration Date: <u>1/21/01</u> |  |
| Phone: (505) 445-4620                                                                                                                                         |  | Conditions of Approval:<br>Attached <input type="checkbox"/>  |  |

7658

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Form C-102  
Revised March 17, 1994

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                     |  |                                                   |  |                        |                                       |
|-------------------------------------|--|---------------------------------------------------|--|------------------------|---------------------------------------|
| <sup>1</sup> API Number             |  | <sup>2</sup> Pool Code                            |  | <sup>3</sup> Pool Name |                                       |
| <sup>4</sup> Property Code<br>24648 |  | <sup>5</sup> Property Name<br>VERMEJO PARK RANCH  |  |                        | <sup>6</sup> Well Number<br>VPR'B' 21 |
| <sup>7</sup> OGRID No.<br>180514    |  | <sup>8</sup> Operator Name<br>SONAT RATON, L.L.C. |  |                        | <sup>9</sup> Elevation<br>8115.4      |

<sup>10</sup> Surface Location

|                    |               |                    |                 |              |                         |                           |                         |                        |                  |
|--------------------|---------------|--------------------|-----------------|--------------|-------------------------|---------------------------|-------------------------|------------------------|------------------|
| UL or lot no.<br>I | Section<br>25 | Township<br>T 30 N | Range<br>R 18 E | Lot Idn<br>I | Feet from the<br>1409.1 | North/South line<br>SOUTH | Feet from the<br>1253.9 | East/West line<br>EAST | County<br>COLFAX |
|--------------------|---------------|--------------------|-----------------|--------------|-------------------------|---------------------------|-------------------------|------------------------|------------------|

<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<br>COLFAX |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------------|

|                               |                               |                                  |                         |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> 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

|    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16 |  |  |  | <sup>17</sup> OPERATOR CERTIFICATION<br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i><br><br>Signature <u>DR Lankford</u><br>Printed Name DONALD R. LANKFORD<br><br>Title SENIOR PETROLEUM ENGINEER<br><br>Date _____                                                                                                                |
|    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|    |  |  |  | <sup>18</sup> SURVEYOR CERTIFICATION<br><i>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.</i><br><br>JANUARY 14, 2000<br>Date of Survey _____<br>Signature and Seal of Professional Surveyor<br><br><u>Jim Thibault</u><br>Certificate Number 5103 |
|    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|    |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                  |