

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  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address <b>Sonat Raton, L.L. C. P.O. Box 190 Raton, NM 87740</b>		<sup>2</sup> OGRID Number <b>180514</b>
		<sup>3</sup> API Number <b>30-007- 20167</b>
<sup>4</sup> Property Code <b>24648</b>	<sup>5</sup> Property Name <b>Vermejo Park Ranch (VPR)</b>	<sup>6</sup> Well No. <b>VPR A-38</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>O</b>	<b>19</b>	<b>32N</b>	<b>20E</b>	<b>O</b>	<b>1256'</b>	<b>SOUTH</b>	<b>1611'</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 <b>Vermejo</b>	<sup>10</sup> Proposed Pool 2 <b>Raton</b>
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<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>G</b>	<sup>13</sup> Cable/Rotary <b>ROTARY/AIR</b>	<sup>14</sup> Lease Type Code <b>P</b>	<sup>15</sup> Ground Level Elevation <b>8125' (GL)</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>2600'</b>	<sup>18</sup> Formation <b>Trinidad</b>	<sup>19</sup> Contractor <b>Not Available</b>	<sup>20</sup> Spud Date <b>February 15, 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>2600'</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.

- Drill 11" hole to +/- 350' with air.
- Set 8 5/8" surface casing and cement to surface.
- Drill 7 7/8" hole to 2600' with air. Run open hole logs.
- Set 5 1/2" production casing to TD and cement to surface. Cement volumes calculated off openhole logs.
- Perforate and stimulate Vermejo and/or Raton Coals. Clean out well bore 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.

Signature: *DR Lankford*

Printed name: Donald R. Lankford

Title: Senior Petroleum Engineer

Date: 01/28/2000

Phone: (505) 445-4620

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

District IV  
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code 24648	<sup>5</sup> Property Name VERMEJO PARK RANCH		<sup>6</sup> Well Number VPR-38
<sup>7</sup> OGRID No. 180514	<sup>8</sup> Operator Name SONAT RATON, L.L.C.		<sup>9</sup> Elevation 8125.2

U.L. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Q	19	T 32 N	R 20 E	Q	1255.9	SOUTH	1611.1	EAST	COLFAX

U.L. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County COLFAX
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<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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16				<p>17 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>Signature _____</p> <p><i>DR Lankford</i></p> <p>Printed Name DONALD R. LANKFORD</p> <p>Title SENIOR PETROLEUM ENGINEER</p> <p>Date _____</p>
		ColorADO		<p>18 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 21 2000</p> <p>Date of Survey: _____</p> <p>Signature and Seal of Professional Surveyor</p> <p><i>Don Shultz</i></p> <p>Certificate Number 5103</p>
	NEW MEXICO			
approx 2000'		1255'	1611'	