

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</b> <b>P.O. Box 190; Raton New Mexico 87740</b>		<sup>2</sup> OGRID Number <b>180514</b>
		<sup>3</sup> API Number <b>30 - 007 - 20129</b>
<sup>3</sup> Property Code <b>24648</b>	<sup>5</sup> Property Name <b>Vermejo Park Ranch</b>	<sup>6</sup> Well No. <b>VPR A-16</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>M</b>	<b>29</b>	<b>32N</b>	<b>20E</b>		<b>1028.11 ft.</b>	<b>FSL</b>	<b>1074.96 ft.</b>	<b>FWL</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 Coals</b>	<sup>10</sup> Proposed Pool 2 <b>Raton Coals</b>
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<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>M</b>	<sup>13</sup> Cable/Rotary <b>air / rotary</b>	<sup>14</sup> Lease Type Code <b>P</b>	<sup>15</sup> Ground Level Elevation <b>8272'(GL)</b>
<sup>16</sup> Multiple <b>yes</b>	<sup>17</sup> Proposed Depth <b>2600'</b>	<sup>18</sup> Formation <b>Trinidad</b>	<sup>19</sup> Contractor <b>Thornton</b>	<sup>20</sup> Spud Date <b>July 10, 1999</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>135 sx.</b>	<b>Surface</b>
<b>7 7/8"</b>	<b>5 1/2"</b>	<b>15.5#</b>	<b>2700</b>	<b>280 sx.</b>	<b>Surface</b>

22 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" surface hole to 350'. Cement to surf. with 135 sx. Class 'G'.
2. Drill 7 7/8" hole to through the Raton and Vermejo coals to penetrate the top of the Trinidad. Set 5 1/2" production csg. Cement with 280 sx. 12.5 ppg Mid-Con 2 cement (30% excess).
3. Open hole logs to include caliper, density, and gamma ray. Cement bond log will be run if unable to circulate cement to surface.
4. Perforate coal zones and perform sand frac job.
5. Run 2 7/8" tubing and pumping equipment and place on test.

<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: **6/26/99**

Phone: (713)546-4621  
(505)447-1379

OIL CONSERVATION DIVISION

Approved by:

Title: **DISTRICT SUPERVISOR**

Approval Date: **7/1/99**

Expiration Date: **7/1/00**

Conditions of Approval:

Attached ☐

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State of New Mexico  
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised March 17, 1994

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

☐ 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		<sup>5</sup> Property Name Vermejo Park Ranch			<sup>6</sup> Well Number VPR 'A' 16
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name Sonat Raton, L.L.C.			<sup>9</sup> Elevation 8272.1

<sup>10</sup> Surface Location

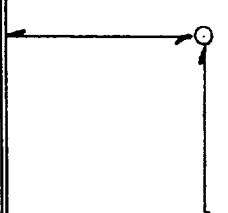
UL or lot no. M	Section 29	Township T 32 N	Range R 20 E	Lot Idn M	Feet from the 1028.11	North/South line SOUTH	Feet from the 1074.96	East/West line WEST	County Colfax
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County 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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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 <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature <u>DR Lankford</u> Printed Name Donald R. Lankford Title Senior Petroleum Engineer Date _____
1074.96'				<sup>18</sup> SURVEYOR CERTIFICATION <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>  _____, JUNE 22, 1999 Date of Survey Signature and Seal of Professional Surveyor:  <u>Joe Schiller</u> Certificate Number 5103
	1028.11'			

Colo.  
N. Mex.

R19E  
R20E

26

25

30

29

VPR A-16

Canadian River

35

36

31

32

T32N

T31N

2

1

6

3

11

guard station

8

Hwy 555

Vicinity Map  
VPR A-16  
Scale: 1" = 3000'

Raton  
25 mi.