

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

¹ Operator Name and Address Sonat Raton, L.L.C. P.O. Box 190; Raton New Mexico 87740		² OGRID Number 180514
		³ API Number 30 - 007- 20119
³ Property Code 24648	⁵ Property Name Vermejo Park Ranch	⁶ Well No. VPR A-20

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	32N	20E		711.02 ft.	FNL	843.66 ft.	FEL	Colfax

⁸ 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

⁹ Proposed Pool 1 Vermejo Coals	¹⁰ Proposed Pool 2 Raton Coals
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¹¹ Work Type Code N	¹² Well Type Code M G	¹³ Cable/Rotary air / rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 8132'(GL)
¹⁶ Multiple yes	¹⁷ Proposed Depth 2600'	¹⁸ Formation Trinidad	¹⁹ Contractor Thornton	²⁰ Spud Date July 10, 1999

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	23#	350'	135 sx.	Surface
7 7/8"	5 1/2"	15.5#	2600	416 sx.	Surface

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 270 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.

²³ 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: **6/23/99**

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

OIL CONSERVATION DIVISION

Approved by: [Signature]

Title: **DISTRICT SUPERVISOR**

Approval Date: **6/25/99**

Expiration Date: **6/25/00**

Conditions of Approval:

Attached ☐

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State of New Mexico
Energy, Minerals & Natural ResourcesOIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505Form C-102
Revised March 17, 1999Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-007-20119		² Pool Code	³ Pool Name
⁴ Property Code 24648	⁵ Property Name Vermejo Park Ranch		⁶ Well Number VPR'A' 20
⁷ OGRID No. 180514	⁸ Operator Name Sonat Raton, L.L.C.		⁹ Elevation 8132.16

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	T32N	R20E	A	711.02	NORTH	843.66	EAST	Colfax

¹¹ 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

¹² Dedicated Acres 160 acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
					Signature <u>DR Lankford</u> Printed Name Donald R. Lankford Title Senior Petroleum Engineer Date _____
					¹⁸ 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.
					Date of Survey _____ Signature and Seal of Professional Surveyor: L.S. NO. 5103 Certificate Number _____

