

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 ResourcesOil 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, NM 87740		² OGRID Number 180514
		³ API Number 30-007-20184
³ Property Code 24048 25180	⁵ Property Name Vermejo Park Ranch	⁶ Well No. VPR B-04

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
H	06	29N	19E	H	1834'	NORTH	1077'	EAST	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
									COLFAX
⁹ Proposed Pool 1 Vermejo					¹⁰ Proposed Pool 2 Raton				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary ROTARY/AIR	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 7991' (GL)
¹⁶ Multiple NO	¹⁷ Proposed Depth 2750'	¹⁸ Formation Vermejo	¹⁹ Contractor Pense or Excel	²⁰ Spud Date March 1, 2000

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	328'	300 sx.	
7 7/8"	5 1/2"	17#	2750'	425 sx.	

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. RU completion rig. Install BOP. PU and RIH with 4 1/4" bit on 2 7/8" tubing.
2. Drill out surface plug 0' to 50' and CIBP's at 2202' and 2422'. Reverse circulate clean with fresh or clean produced water to PBTD at 2750'.
3. Perforate and frac according to Raton/Houston offices.
4. Clean out to bottom and reverse circulate clean.
5. RIH with 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.		OIL CONSERVATION DIVISION	
Signature: <u>DR Lankford</u>			
Printed name: Donald R. Lankford		Approved by: <u>[Signature]</u>	
Title: Senior Petroleum Engineer		Title: DISTRICT SUPERVISOR	
Date: _____		Approval Date: <u>2/15/00</u>	Expiration Date: <u>2/15/01</u>
Phone: (505) 445-4620		Conditions of Approval: Attached <input type="checkbox"/>	

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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

¹ API Number		² Pool Code	³ Pool Name
⁴ Property Code 24648	⁵ Property Name VERMEJO PARK RANCH		⁶ Well Number VPR'B'-04
⁷ OGRID No. 180514	⁸ Operator Name SONAT RATION, L.L.C.		⁹ Elevation 7991.1

¹⁰ Surface Location									
UL or lot no. H	Section 06	Township T 29 N	Range R 19 E	Lot Idn H	Feet from the 1834.2	North/South line NORTH	Feet from the 1076.7	East/West line EAST	County COL.FAX

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
									COL.FAX
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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				1834.2	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 _____
				1076.7	
					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. FEBRUARY 8, 2000 Date of Survey _____ Signature and Seal of Professional Surveyor: <u>Joe Shultz</u> Certificate Number 5103