

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Ric 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- 20116
³ Property Code 24648	⁵ Property Name Vermejo Park Ranch	⁶ Well No. VPR A-07

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
B	01	31N	19E		943 ft.	FNL	1829 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 Entrada	¹⁰ Proposed Pool 2 Dakota
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¹¹ Work Type Code N	¹² Well Type Code S	¹³ Cable/Rotary air / rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 8272'(GL)
¹⁶ Multiple No	¹⁷ Proposed Depth 6450'	¹⁸ Formation Entrada	¹⁹ Contractor Thornton	²⁰ Spud Date June 16, 1999

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
15 1/2"	13 3/8"	48#	350'	170 sx.	Surface
12 1/4"	9 5/8"	36#	2300'	586 sx.	Surface
8 3/4"	7"	20#	6450'	450 sx.	1800'

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 15 1/2" hole to 350 ft. Set 13 3/8" surface casing. Cement with 170 sx. Class 'G' to surface with 100% excess.
2. Drill 12 1/4" hole to penetrate the Trinidad fmt. at approx. 2200'. Set 9 5/8" csg. Cement to surf. with 518 sx. 11.5 ppg Silica light followed by 68 sx. Class 'G'.
3. Drill 8 3/4" hole to Entrada fmt. at approx. 6200'. Set 7" csg. Cement with 375 sx. 11.5 ppg Silica light followed by 75 sx. Class 'G'.
4. If drilling problems occur through the Pierre Shales, the contingency exists to set 7" casing into the Pierre shale and continue drilling a 6 1/8" hole to the target formation.
5. BOP configuration will be pipe ram, blind ram, and spherical with remote closing unit.

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: **6/6/99**

Phone: (713)546-4601
(505)447-1379

OIL CONSERVATION DIVISION

Approved by:

Title: **DISTRICT SUPERVISOR**

Approval Date: **6/9/99**

Expiration Date: **6/9/00**

Conditions of Approval: **COLLECT AND SACK SAMPLES FOR**
NEW MEXICO BUREAU OF MINES, SOCORRO
Attached ☐ **AT AT LEAST TEN FOOT INTERVALS**