



Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 811 South First, Artesia, NM 87210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

WELL API NO. 30-007-20119
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Coalbed Methane <input type="checkbox"/>		7. Lease Name or Unit Agreement Name: <b>VPR 'A'</b>
2. Name of Operator <b>SONAT RATON, L.L.C.</b>	8. Well No. - <b>20</b>	
3. Address of Operator P.O. Box 190; Raton, NM 87740	9. Pool name or Wildcat	
4. Well Location Unit Letter <u>A</u> : <u>711.02</u> feet from the <u>North</u> line and <u>843.66</u> feet from the <u>East</u> line Section <u>31</u> Township <u>32 N</u> Range <u>20 E</u> <u>NMPM Colfax</u> County		
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8132'(GR)		

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

08/29/99: RU Pump Co. Pump down backside of 5 1/2" csg. W/35 sx cement. RD pump Co.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Petroleum Engr. Advisor DATE 9/1/99

Type or print name Noel Putscher Telephone No. (505)445-4621  
 (This space for State use)

APPROVED BY  TITLE DISTRICT SUPERVISOR DATE 9/2/99  
 Conditions of approval, if any

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 2040 South Pacheco  
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WELL API NO.  
 30-007-20119

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
 Oil Well  Gas Well  Other Coalbed Methane

7. Lease Name or Unit Agreement Name:  
**VPR 'A'**

2. Name of Operator  
**SONAT RATON, L.L.C.**

8. Well No. - **20**

3. Address of Operator  
 P.O. Box 190; Raton, NM 87740

9. Pool name or Wildcat

4. Well Location  
 Unit Letter A : 711.02 feet from the North line and 843.66 feet from the East line  
 Section 31 Township 32 N Range 20 E NMPM Colfax  
 County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 8132'(GR)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input checked="" type="checkbox"/>	COMPLETION

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Perforate casing 2275 – 2279, 2244 – 2252 W/4 SPF. Frac 2244 – 2279 W/150,000 lbs of sand.  
 Set RBP @ 2220'.  
 Perforate casing 2197 – 2206 W/4 SPF. Frac 2197 – 2206 W/50,000 lbs of sand.  
 Set RBP @ 2150'.  
 Perforate casing 2085 – 2089, 2091 – 2095, 2097 – 2102, W/4 SPF. Frac 2085 – 2102 W/100,000 lbs of sand.  
 Clean out casing to 2480'.  
 Run production equipment (PC Pump).

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Donald R. Lankford TITLE Sr. Petroleum Engineer DATE 09/30/99  
 Type or print name Donald R. Lankford Telephone No. (505)445-4621

(This space for State use)  
 APPROVED BY R. E. Johnson TITLE DISTRICT SUPERVISOR DATE 9/30/99  
 Conditions of approval, if any:

State of New Mexico Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

WELL API NO. 30-007-20119

5. Indicate Type of Lease STATE [ ] FEE [X]

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL [ ] GAS WELL [ ] DRY [ ] OTHER COALBED METHANE [ ]

b. Type of Completion: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER [ ]

2. Name of Operator SONAT RATON, LLC

3. Address of Operator P.O. BOX 190, RATON, NM 87740

7. Lease Name or Unit Agreement Name VPR 'A'

8. Well No. 20

9. Pool name or Wildcat

4. Well Location

Unit Letter A : 711' Feet From The NORTH Line and 844' Feet From The EAST Line

Section 31 Township 32N Range 20E NMPM COLFAX County

10. Date Spudded 07/28/99 11. Date T.D. Reached 08/01/99 12. Date Compl. (Ready to Prod.) 09/22/99 13. Elevations (DF, RB, RT, GR, etc.) 8132' (GR) 14. Elev. Casinghead 8131' (GR)

15. Total Depth 2480' 16. Plug Back T.D. 2419' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By 19. Producing Interval(s) of this completion - Top, Bottom, Name 20. Was Directional Survey Made YES

19. Producing Interval(s) of this completion - Top, Bottom, Name 2244'-2252'; 2275'-2279'; 2197'-2206'; 2085'-2089'; 2091'-2095'; 2097'-2102' VERMEJO COALS

21. Type Electric and Other Logs Run INDUCTION LOG; COMPENSATED DENSITY LOG; CBL; DIRECTIONAL LOG 22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)

Table with 6 columns: CASING SIZE, WEIGHT LB./FT., DEPTH SET, HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows include 8 5/8" (23, 351', 11", 100, NONE) and 5 1/2" (15.50, 2420', 7 7/8", 320, NONE).

24. LINER RECORD and 25. TUBING RECORD tables with columns for SIZE, TOP, BOTTOM, SACKS CEMENT, SCREEN, DEPTH SET, PACKER SET.

26. Perforation record (interval, size, and number) and 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. tables.

28. PRODUCTION table with columns: Date First Production, Production Method, Well Status (Prod. or Shut-in).

Table with columns: Date of Test, Hours Tested, Choke Size, Prod'n For Test Period, Oil - Bbl, Gas - MCF TSTM, Water - Bbl, Gas - Oil Ratio.

29. Disposition of Gas (Sold, used for fuel, vented, etc.) USED FOR FUEL AND VENTED THE N2 Test Witnessed By LARRY CASEY

30. List Attachments

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature: Don Lankford, Printed Name: DON LANKFORD, Title: SR. PETROLEUM ENGINEER, Date: 09/30/99



**Sonat Raton  
P.O. Box 190  
Raton, NM 87740**

**Oct. 6, 1999**

**NOTICE OF GAS CONNECTION**

This is to notify the New Mexico Oil Conservation Division that connection for purchase of gas from Sonat Raton's Vermejo Park Ranch Well No. A-20, meter station no. 'A-20' located in unit letter O, Section 31, Township 32 North, Range 20 East, Colfax County, New Mexico, 160 acre area, was made on 09/22/99, by Sonat Raton, L.L.C. First delivery date: 10/1/99.

Purchaser: **Sonat Raton, L.L.C.**

Representative: DR Larcher

Title: **Facilities Engineer**

Sonat Raton, L.L.C.  
P.O. Box 190  
Raton, New Mexico 87740

October 5, 1999

Mark Ashley  
New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

Mark:

The subject well, as well as all wells within the Vermejo Park Ranch have the following Working Interest:

Sonat Exploration:	75.000 %
Devon Energy:	25.000 %

Respectfully,



Don Lankford

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 SONAT RATON, L.L.C.

3. Address of Operator  
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07/28/99: MIRU Thornton Rig #2. Spud well at 2:00 P.M.  
 07/29/99: Drill 11" hole to 358'. Ran and set 8-5/8", 23#, WC-50 casing at 351'.  
 07/30/99: T.D. 7-7/8" hole @ 2480'.  
 07/31/99: RDMO Thornton Rig #2. MIRU Completion Rig. Ran open hole logs.  
 08/01/99: Ran and set 5 1/2", 15.5#, M-50 casing at 2419". Cement with 320 sx. No cement to surface.  
 08/06/99: Ran CBL. Found TOC. @ 650'.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Noel Putscher TITLE Petroleum Engr. Advisor DATE 9/1/99  
 Type or print name Noel Putscher Telephone No. (505)445-4621

(This space for State use)  
 APPROVED BY R. E. Johnson TITLE DISTRICT SUPERVISOR DATE 9/2/99  
 Conditions of approval, if any: