



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.  
 30-007-20110

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:

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

8. Well No. VPR 'A' - 1

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

9. Pool name or Wildcat

4. Well Location  
 Unit Letter B : 974 feet from the North line and 1858 feet from the East line  
 Section 1 Township 31 N Range 19 E NMPM Colfax County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 3272'(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 type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" 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 checked="" 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.

6/16/99: RU Thornton Rig 3. Spud well at 11 am. Drill 11" hole to 364'  
 Ran and set 8 5/8" 24" J55 surface casing at 353'  
 Cement with 152 sx. Circ. 32 sx. To surface.

6/18/99: TD 7 7/8" hole at 2547: RD Thornton Rig 3.

6/19/99: RU completion rig. Run open hole logs.  
 Ran and set 5 1/2" 17" J55 casing at 2492'  
 Cement with 300 sx. No cement to surface.

6/22/99: Ran CBL. Found TOC at 1250 with good cement below.

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

SIGNATURE DR Lankford TITLE Sr. Petroleum Engineer

DATE 7/21/99

Type or print name Donald R. Lankford Telephone No. (505)445-4620  
 This space for State use

APPROVED BY Ry E. Johnson TITLE DISTRICT SUPERVISOR DATE 7/22/99

Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office  
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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.  
 30-007-20110

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

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

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

4. Well Location  
 Unit Letter B : 974 feet from the North line and 1858 feet from the East line  
 Section 1 Township 31 N Range 19 E NMPM Colfax  
 County

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

8. Well No. - 1

9. Pool name or Wildcat

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 8272'(GR)

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

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

08/18/99: RU RIG LD tbg. RU Wireline Unit. RIH and set WL RBP @ 1400' Dump 10' sand on RBP.  
 Perf. 1220' -22' w/ 4SPF on 120° phasing. RD Wireline Unit. RU cement co. Pump 200 sks PLHS cmt followed by 50 sxs type III w/2% call. Pumped @ 3 BPM and 200 psi. Plug down @ 950 pm.  
 Circ. 90 sxs to pit, 100% circ. throughout.

08/25/99: Drill cmt f 1120' to 1260', Circ. & test to 500 psi. Test OK. POOH w/RBP. RIH w/20 stds tbg. SWI.

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

SIGNATURE Noel W. Putscher TITLE Petroleum Engr. Advisor DATE 8/31/99

Type or print name Noel W. Putscher Telephone No. \_\_\_\_\_

(This space for State use)

APPROVED BY Ry Johnson TITLE DISTRICT SUPERVISOR DATE 9/2/99

Conditions of approval, if any \_\_\_\_\_

Submit 3 Copies To Appropriate District Office  
 District I  
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 District II  
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 District IV  
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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.  
 30-007-20110

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.

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

**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

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

8. Well No. - **1**

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

9. Pool name or Wildcat

4. Well Location  
 Unit Letter B : 974 feet from the North line and 1858 feet from the East line  
 Section 1 Township 31 N Range 19 E NMPM Colfax  
 County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**8272'(GR)**

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK  PLUG AND ABANDON   
 TEMPORARILY ABANDON  CHANGE PLANS   
 PULL OR ALTER CASING  MULTIPLE COMPLETION   
 OTHER:

SUBSEQUENT REPORT OF:

REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT   
 CASING TEST AND CEMENT JOB   
 OTHER:  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 2426 – 2444 W/4 SPF and frac'd with 150,000 lbs of sand.  
 Set RBF @ 2398'  
 Perforate casing 2376 – 2380, 2386 – 2390 W/4 SPF. Communicated with bottom zone, did not frac.  
 Set RBP @ 2340  
 Perforate 2250 – 2253, 2264 – 2270, 2276 – 2279, 2291 – 2294 W/4 SPF.  
 Frac'd 2250 – 2294 with 150,000 lbs of sand  
 Clean out to 2490'.  
 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 DR Lankford TITLE Sr. Petroleum Engineer DATE 9/30/99

Type or print name Donald R. Lankford Telephone No. (505) 445-4621

(This space for State use)  
 APPROVED BY [Signature] TITLE DISTRICT SUPERVISOR DATE 9/30/99  
 Conditions of approval, if any:

Submit To Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
 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-105  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

WELL API NO. 30-007-20110  
 5. Indicate Type of Lease  
 STATE  FEE   
 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  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

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

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

8. Well No. 01

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

9. Pool name or Wildcat

4. Well Location  
 Unit Letter B : 974 Feet From The North Line and 1858 Feet From The East Line  
 Section 01 Township 31N Range 19E NMPM Colfax  
 County

10. Date Spudded 06/15/99	11. Date T.D. Reached 06/17/99	12. Date Compl. (Ready to Prod.) 09/22/99	13. Elevations (DF& R(B. RT, GR, etc.) 8272' GR	14. Elev. Casinghead 8271'
15. Total Depth 2547'	16. Plug Back T.D. 2490'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By O-TD	Rotary Tools Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 2426 - 2444; 2376 - 2380; 2386 - 2390; 2250 - 2253; 2264 - 2270; 2276 - 2279; 2291 - 2294 VERMEJO COALS				20. Was Directional Survey Made No
21. Type Electric and Other Logs Run CDL; Induction Log; CBL				22. Was Well Cored NO

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

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	353'	11"	152 SKS	NONE
5 1/2	17#	2492'	7 7/8"	300 SKS	NONE

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	2435	
26. Perforation record (interval, size, and number) 2426 - 2444; 2264 - 2270 Shot 4 SPF 2376 - 2380; 2276 - 2279 .48" dia. Holes 2386 - 2390; 2291 - 2294 164 holes total 2250 - 2253				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 2291 - 2444 1500 gals of 71/2 HCL; 250,000 lbs. of 20/40; 50,000 lbs of 16/30 1,245,000 SCF OF N2 (70 QUALITY FOAM)			

28. PRODUCTION

Date First Production 10/01/99		Production Method (Flowing, gas lift, pumping - Size and type pump) 30-N-095 PC PUMP			Well Status (Prod. or Shut-in) PROD.		
Date of Test 09/23/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF TSTM	Water - Bbl. 185	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 7 PSI	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 185	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Used for fuel or vented 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 DR Lankford	Printed Name Donald R. Lankford	Title Sr. Petroleum Engineer	Date 09/30/99
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# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or reopened well. It shall be accompanied by a copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

Anhy _____	T. Canyon _____
Salt _____	T. Strawn _____
Salt _____	T. Atoka _____
Yates _____	T. Miss _____
7 Rivers _____	T. Devonian _____
Queen _____	T. Silurian _____
Grayburg _____	T. Montoya _____
San Andres _____	T. Simpson _____
Glorieta _____	T. McKee _____
Paddock _____	T. Ellenburger _____
Blinebry _____	T. Gr. Wash _____
Tubb _____	T. Delaware Sand _____
Drinkard _____	T. Bone Springs _____
Abo _____	T. _____
Wolfcamp _____	T. _____
Penn _____	T. _____
Cisco (Bough C) _____	T. _____

### Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. Raton - Surface _____
T. Morrison _____	T. Vermejo - 2219' _____
T. Todilto _____	T. Trinidad - 2456' _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

### OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
 No. 2, from.....to.....  
 No. 3, from.....to.....  
 No. 4, from.....to.....

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.  
 No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

### LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

**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-1, meter station no. 'A-1', located in unit letter B, Section 1, Township 31 North, Range 19 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 Lallo

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