

District I - (505) 393-6161

1625 N. French Dr

Hobbs, NM 88241-1980

District II - (505) 748-1283

811 S. First

Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Road

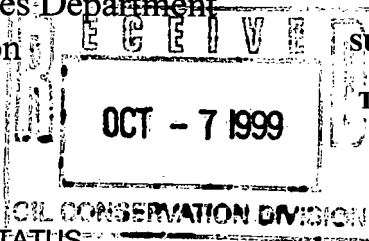
Aztec, NM 87410

District IV - (505) 827-7131

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
 Santa Fe, New Mexico 87505  
 (505) 827-7131



SUBMIT ORIGINAL  
 PLUS 2 COPIES  
 TO THE SANTA FE  
 OFFICE

## APPLICATION FOR NEW WELL STATUS

## I. Operator and Well

|  |               |                 |              |                      |                         |                       |                            |                  |  |
|--|---------------|-----------------|--------------|----------------------|-------------------------|-----------------------|----------------------------|------------------|--|
| Operator name & address<br>SONAT RATON, LLC<br>P.O. BOX 190<br>RATON, NEW MEXICO 87740 |               |                 |              |                      |                         |                       | OGRID Number<br>180514     |                  |  |
| Contact Party<br>DONALD R. LANKFORD  |               |                 |              |                      |                         |                       | Phone<br>(505)-445-4621    |                  |  |
| Property Name<br>VERMEJO PARK RANCH (VPR 'A')  |               |                 |              |                      | Well Number<br>22       |                       | API Number<br>30-007-20121 |                  |  |
| UL<br>D  | Section<br>32 | Township<br>32N | Range<br>20E | Feet From The<br>836 | North/South Line<br>FNL | Feet From The<br>1309 | East/West Line<br>FWL      | County<br>COLFAX |  |

## II. Date/Time Information

|                       |                       |                            |      |
|-----------------------|-----------------------|----------------------------|------|
| Spud Date<br>07/26/99 | Spud Time<br>08:00 PM | Date Completed<br>09/22/99 | Pool |
|-----------------------|-----------------------|----------------------------|------|

III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.

IV. Attach a list of all working interest owners with their percentage interests.

V. AFFIDAVIT:

State of New Mexico )

ss.

County of Colfax )

\_\_\_\_\_, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced well.
- To the best of my knowledge, this application is complete and correct.

Signature DR Lankford Title Sr. Petroleum Engineer Date 10/05/99

SUBSCRIBED AND SWORN TO before me this 5th day of October, 1999

Carolyn O'Connor  
 Notary Public

My Commission expires: June 1, 2003

## FOR OIL CONSERVATION DIVISION USE ONLY:

## VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

|                                      |                            |                            |
|--------------------------------------|----------------------------|----------------------------|
| Signature<br><u>Mark [Signature]</u> | Title<br><u>P.E. Spec.</u> | Date<br><u>NOV 22 1999</u> |
|--------------------------------------|----------------------------|----------------------------|

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 11/22/99

NOTICE: The operator must notify all working interest owners of this New Well certification.

PV2V2007030272

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.  
30-007-20121

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. -22

3. Address of Operator

P.O. Box 190; Raton, NM 87740

9. Pool name or Wildcat

4. Well Location

Unit Letter D : 835.81 feet from the North line and 1308.96 feet from the  
West line

Section 32

Township 32 N

Range 20 E

NMPM Colfax

County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
8130'(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: ☐

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 recompletion.

07/26/99: MIRU Thornton Rig #1. Spud well @ 8:00 P.M.

07/27/99: Drill 11" hole to 364: Ran and set 8-5/8", 23#, WC-70 casing @ 356'. Cement with with 100 sx. Circ. 45 sx to surface.

07/28/99: T.D. 7 7/8 hole @ 2418'. Run open hole logs. RDMO Thornton Rig #1. MIRU completion rig.

07/29/99: Ran and set 5 1/2", 15.5#, M-50 casing @ 2414'. Cement with 300 sx. Circ. 56 sx. to surface.

08/16/99: Ran CBL. Found TOC @ 110' with good cement below.

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:

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.  
30-007-20121

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. - 22

3. Address of Operator

P.O. Box 190; Raton, NM 87740

9. Pool name or Wildcat

4. Well Location

Unit Letter D : 835.81 feet from the North line and 1308.96 feet from the West line

Section 32

Township 32 N

Range 20 E

NMPM Colfax

County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
8130'(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.

Perforated casing 2175 - 2179 W/4 SPF. Frac'd 2175 - 2179 W/52,000 lbs of sand.

Set RBP @ 2100'.

Perforated casing 2063' - 2068'. Frac'd 2063' - 2068 W/84,000 lbs of sand.

Clean out to 2400'

Run production (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 Ry E Johnson TITLE DISTRICT SUPERVISOR DATE 9/30/99

Conditions of approval, if any:

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO.  
30-007-~~2011~~ 20121  
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. 22

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

9. Pool name or Wildcat

4. Well Location

Unit Letter D 836 Feet From The North Line and 1310 Feet From The WEST Line

Section 32 Township 32N Range 20E NMPM Colfax

County

|                              |                                   |  |  |                               |
|------------------------------|-----------------------------------|--|--|-------------------------------|
| 10. Date Spudded<br>07/26/99 | 11. Date T.D. Reached<br>07/28/99 | 12. Date Compl. (Ready to Prod.)<br>09/22/99 | 13. Elevations (DF & R(B. RT, GR, etc.)<br>8130 (GR) | 14. Elev. Casinghead<br>8129' |
| 15. Total Depth<br>2418'     | 16. Plug Back T.D.<br>2413'       | 17. If Multiple Compl. How Many<br>Zones?    | 18. Intervals Drilled By<br>Rotary Tools<br>O-TD     | Cable Tools                   |

19. Producing Interval(s), of this completion - Top, Bottom, Name  
2175 - 2179; 2063 - 2068 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       | 23#            | 356'      | 11"       | 110 SKS.         | NONE          |
| 5 1/2       | 15.50#         | 2414'     | 7 7/8"    | 300 SKS          | NONE          |
|             |                |           |           |                  |               |
|             |                |           |           |                  |               |
|             |                |           |           |                  |               |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|------|-----|--------|--------------|--------|
|      |     |        |              |        |
|      |     |        |              |        |
|      |     |        |              |        |

25. TUBING RECORD

| SIZE  | DEPTH SET | PACKER SET |
|-------|-----------|------------|
| 2 7/8 | 2206      |            |
|       |           |            |
|       |           |            |

26. Perforation record (interval, size, and number)  
2175 - 2179 .52" DIA. 16 HOLES  
2063 - 2068 .52" DIA. 20 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED  
2063 - 2179 1500 gals of 15% HCL; 74,000 lbs. of 20/40;  
62,000 Lbs. of 16/30;  
944,000 scf of N2 (70 quality foam)

28. PRODUCTION

|                                   |                          |   |                        |                   |   |                             |                 |
|-----------------------------------|--------------------------|---|------------------------|-------------------|---|-----------------------------|-----------------|
| Date First Production<br>10/01/99 |                          | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>30-N-095 FC PUMP |                        |                   | Well Status (Prod. or Shut-in)<br>PROD. |                             |                 |
| Date of Test<br>09/26/99          | Hours Tested<br>24       | Choke Size  | Prod'n For Test Period | Oil - Bbl.        | Gas - MCF<br>TSTM                       | Water - Bbl.<br>326         | Gas - Oil Ratio |
| Flow Tubing Press.                | Casing Pressure<br>7 PSI | Calculated 24-Hour Rate   | Oil - Bbl.             | Gas - MCF<br>TSTM | Water - Bbl.<br>326                     | 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 *Don Lankford*

Printed Name

Donald R. Lankford

Title

Senior Petroleum Engineer

Date

09/30/99

# INSTRUCTIONS

The 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 one 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

|                |                  |
|----------------|------------------|
| Thy            | T. Canyon        |
| alt            | T. Strawn        |
| alt            | T. Atoka         |
| ates           | T. Miss          |
| Rivers         | T. Devonian      |
| Queen          | T. Silurian      |
| Grayburg       | T. Montoya       |
| an Andres      | T. Simpson       |
| lorieta        | T. McKee         |
| addock         | T. Ellenburger   |
| linebry        | T. Gr. Wash      |
| abb            | T. Delaware Sand |
| rinkard        | T. Bone Springs  |
| bo             | T.               |
| Volfcamp       | T.               |
| enn            | T.               |
| isco (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 - 2062'  |
| T. Todilto            | T. Trinidad - 2313' |
| T. Entrada            | T.                  |
| T. Wingate            | T.                  |
| T. Chinle             | T.                  |
| T. Permian            | T.                  |
| T. Penn "A"           | T.                  |

## OIL OR GAS SANDS OR ZONES

1, from.....to.....  
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.**

1, from.....to.....feet.....  
2, from.....to.....feet.....  
3, from.....to.....feet.....

# LITHOLOGY RECORD (Attach additional sheet if necessary)

|  | To | Thickness<br>In Feet | Lithology |
|--|----|----------------------|-----------|
|  |    |                      |           |

| From | To | Thickness<br>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-22, meter station no. 'A-22' located in unit letter D, Section 32, 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 Lanchford

Title: **Facilities Engineer**

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

October 5, 1999

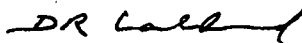
Mark Ashley  
New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

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