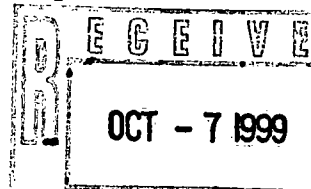


## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO THE SANTA FE  
OFFICE

## APPLICATION FOR NEW WELL STATUS. CONSERVATION DIVISION

## I. Operator and Well

Operator name & address SONAT RATON, LLC P.O. BOX 190 RATON, NEW MEXICO 87740							OGRID Number 180514		
Contact Party DONALD R. LANKFORD							Phone (505)-445-4621		
Property Name VERMEJO PARK RANCH (VPR 'A')					Well Number 10		API Number 30-007-20124		
UL I	Section 01	Township 31N	Range 19E	Feet From The 1454	North/South Line South	Feet From The 993	East/West Line East	County COLFAX	

## II. Date/Time Information

Spud Date 08/04/99	Spud Time 11:30 PM	Date Completed 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 10/05/99SUBSCRIBED AND SWORN TO before me this 5th day of Oct., 1999
Carolee 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 <u>Mark Kelly</u>	Title <u>P.E. Spoe.</u>	Date <u>NOV 22 1999</u>
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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.

PVZV2006934315

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. 30-007-20124
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

<p><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.)</p>		7. Lease Name or Unit Agreement Name: <b>VPR 'A'</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Coalbed Methane		
2. Name of Operator <b>SONAT RATON, L.L.C.</b>	8. Well No. - <b>10</b>	
3. Address of Operator <b>P.O. Box 190; Raton, NM 87740</b>	9. Pool name or Wildcat	

4. Well Location			
Unit Letter <b>I</b> # <b>1453.55</b> feet from the <b>South</b> line and <b>993.42</b> feet from the <b>East</b> line			
Section <b>1</b>	Township <b>31 N</b>	Range <b>19 E</b>	NMPM Colfax
County			
10. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>8214.6'(GR)</b>			

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.

08/04/99: MIRU Pense Rig #8. Spud well at 1:30 P.M. Drill 11' hole to 361'. Ran and set 8-5/8", 23#, wc-50 casing at 348'. Cement with 100 sx cement. Circ. 25 sx to surface.

08/06/99: TD 7-7/8' hole at 2605'. Run open hole logs. RD Pense Rig #8. MIRU completion rig. Ran and set 5-1/2", 15.5#, MAU - 50 casing at 2543'. Cement W 300 sx. Wo cement to surface.

08/16/99: Ran CBL. Found TOC at 2056' 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 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 E. Gohm 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.  
30-007-20124

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. - 10

3. Address of Operator

P.O. Box 190; Raton, NM 87740

9. Pool name or Wildcat

4. Well Location

Unit Letter \_\_\_\_\_ T: 1453.55 \_\_\_\_\_ feet from the \_\_\_\_\_ South \_\_\_\_\_ line and \_\_\_\_\_ 993.42 \_\_\_\_\_ 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.)  
8214.6'(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 1836' - 1839' W/4 SPF and frac W/ 50,000 lbs. of sand.

Set RBF @ 1700'

Perforate casing 1396' - 1399' W/4 SPF and frac w/50,000 lbs. of sand.

Set RBF @ 1360'

Perforate casing 1346' - 1349' W/4 SPF and frac w/25,000 lbs. of sand.

Set RBP @ 1260'

Perforate casing 1146 - 1148, 1182 - 1186 W/4 SPF and frac W/50,000 lbs. of sand.

Set RBF @ 1128'

Perforate casing 1111-1121 W/4 SPF and frac W/75,000 lbs of sand

ITES mixed & Pumped 94 sks of Midcon 2 plus additives down the annules, clean out to 1890'

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 Senior Petroleum Engineer DATE 9/29/99

Type or print name: Donald R. Lankford

Telephone No. (505) 475-1220

(This space for State use)

APPROVED BY Ry E Johnson 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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-105  
Revised March 25, 1999

WELL API NO.

30-007-2012 20124

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 WORK ☐ PLUG ☐ DIFF. ☐  
WELL ☒ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☐ OTHER ☐

2. Name of Operator

SONAT RATON, L.L.C.

7. Lease Name or Unit Agreement Name

VPR 'A'

8. Well No. 10

3. Address of Operator

P.O. BOX 190: RATON, NM 87740

9. Pool name or Wildcat

4. Well Location

Unit Letter I : 1454 Feet From The SOUTH Line and 993 Feet From The EAST Line

Section 01 Township 31N Range 19E NMPM Colfax County

10. Date Spudded  
08/04/99

11. Date T.D. Reached  
08/06/99

12. Date Compl. (Ready to Prod.)  
09/22/99

13. Elevations (DF& R(B. RT, GR, etc.)  
8215' GR

14. Elev. Casinghead  
8214'

15. Total Depth

2605'

16. Plug Back T.D.

2542'

17. If Multiple Compl. How Many  
Zones?

18. Intervals  
Drilled By

Rotary Tools  
O-TD

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

1836 - 1839; 1396 - 1399; 1346 - 1349; 1146 - 1148; 1111 - 1121

VERMEJO COALS

20. Was Directional Survey Made  
No

21. Type Electric and Other Logs Run

CDL; Dual 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#	348'	11"	100 SKS	NONE
5 1/2	15.50#	2543'	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	1858	

26. Perforation record (interval, size, and number)

1836 - 1839; 1396 - 1399; 1346 - 1349; 1146 - 1148; 1111 - 1121;

Shot 4 SPF; .48 dia holes;  
100 holes.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

1111 - 1839

2500 Gals of 7 1/2% HCL; 125,000 lbs of

16/30; 1,035 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			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. 226	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 7 PSI	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl.	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

Printed

Name

Title

Date

Don Lankford

DONALD R. LANKFORD

Sr. Petroleum Engineer

09/30/99

## 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 deepened 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 quintuplicate except on state land, where six copies are required. See Rule 1105.**

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATUTE

## Southeastern New Mexico

T. Anhy \_\_\_\_\_  
T. Salt \_\_\_\_\_  
B. Salt \_\_\_\_\_  
T. Yates \_\_\_\_\_  
T. 7 Rivers \_\_\_\_\_  
T. Queen \_\_\_\_\_  
T. Grayburg \_\_\_\_\_  
T. San Andres \_\_\_\_\_  
T. Glorieta \_\_\_\_\_  
T. Paddock \_\_\_\_\_  
T. Blinebry \_\_\_\_\_  
T. Tubb \_\_\_\_\_  
T. Drinkard \_\_\_\_\_  
T. Abo \_\_\_\_\_  
T. Wolfcamp \_\_\_\_\_  
T. Penn \_\_\_\_\_  
T. Cisco (Bough C) \_\_\_\_\_

T. Canyon \_\_\_\_\_  
T. Strawn \_\_\_\_\_  
T. Atoka \_\_\_\_\_  
T. Miss \_\_\_\_\_  
T. Devonian \_\_\_\_\_  
T. Silurian \_\_\_\_\_  
T. Montoya \_\_\_\_\_  
T. Simpson \_\_\_\_\_  
T. McKee \_\_\_\_\_  
T. Ellenburger \_\_\_\_\_  
T. Gr. Wash \_\_\_\_\_  
T. Delaware Sand \_\_\_\_\_  
T. Bone Springs \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_

## Northwestern New Mexico

T. Ojo Alamo \_\_\_\_\_  
T. Kirtland-Fruitland \_\_\_\_\_  
T. Pictured Cliffs \_\_\_\_\_  
T. Cliff House \_\_\_\_\_  
T. Menefee \_\_\_\_\_  
T. Point Lookout \_\_\_\_\_  
T. Mancos \_\_\_\_\_  
T. Gallup \_\_\_\_\_  
Base Greenhorn \_\_\_\_\_  
T. Dakota \_\_\_\_\_  
T. Morrison \_\_\_\_\_  
T. Todilto \_\_\_\_\_  
T. Entrada \_\_\_\_\_  
T. Wingate \_\_\_\_\_  
T. Chinle \_\_\_\_\_  
T. Permian \_\_\_\_\_  
T. Penn "A" \_\_\_\_\_

T. Penn. "B"  
T. Penn. "C"  
T. Penn. "D"  
T. Leadville  
T. Madison  
T. Elbert  
T. McCracken  
T. Ignacio Otzte  
T. Granite  
T. Raton - Surface  
T. Vermejo - 2084'  
T. Trinidad - 2330'  
T. Raton - Surface  
T. Vermejo - 2152'  
T. Trinidad - 2362'  
T. Pierre - 2466'  
T.

## OIL OR GAS SANDS OR ZONES

**No. 1, from.....to.....**

No. 3, from.....to.....

No. 2, 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-10, meter station no. 'A-10' located in unit letter I, 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 Lallard

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