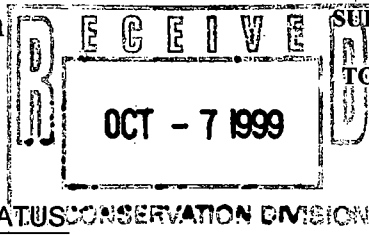


## Energy Minerals and Natural Resources Department

## 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 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 18		API Number 30-007-20131	
UL L	Section 30	Township 32N	Range 20E	Feet From The 1509	North/South Line South	Feet From The 967	East/West Line FWL	County COLFAX

## II. Date/Time Information

Spud Date 07/23/99	Spud Time 3:30 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 10/05/99

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 <u>Mark Behlman</u>	Title <u>P.E. Spec.</u>	Date <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.

PV2V2007029836

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

WELL API NO.  
30-007-20131

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.

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

4. Well Location  
Unit Letter L : 1508.86 feet from the South line and 966.60 feet from  
the West line  
Section 30 Township 32 N Range 20 E NMPM Colfax  
County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
8223'(GR)

8. Well No. - 18

9. Pool name or Wildcat

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 recompilation.

07/23/99: MIRU Thornton Rig #1. Spud well at 3:30 P.M. Drill 11" hole to 364'. Ran and set 8-5/8", 23#, WC-50 casing at 347'. Cement with 110 sx. Circ. 20 sx to surface.

07/26/99: TD 7-7/8" hole @ 2644'. Run open hole logs. RDMO Thornton Rig #1. MIRU completion Rig. Ran and set 5 1/2", 15.5#, M-50 casing @ 2609'. Cement with 300 sx. No cement to surface.

08/07/99: Ran CBL. Found TOC @ 1556' 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.  
30-007-20131  
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.)

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

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

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

8. Well No. - 18

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

9. Pool name or Wildcat

4. Well Location  
Unit Letter L : 1508.86 feet from the South line and 966.60 feet from  
the West line  
Section 30 Township 32 N Range 20 E NMPM Colfax  
County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
8223'(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 2417 - 2421, 2436 - 2442 W/4 SPF.  
Frac'd perfs 2417 - 2436 W/91,000 lbs of sand.  
Set RBP @ 2410.  
Perforated casing 2381 - 2390 W/4 SPF  
Frac'd Perfs 2381 - 2390 W/55,000 lbs. of sand.  
Cleaned well out to 2600' waiting on Halliburton to return.  
Set RBF @ 2350'.  
Perforate casing 2293 - 2298, 2326 - 2329 W/4 SPF.  
Frac'd 2293 - 2329 W/ 104,000 lbs. of sand.  
Clean out to 2608'.  
Run production equipment.

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:

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. 30-007-20131

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 ☐

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. 18

9. Pool name or Wildcat

4. Well Location

Unit Letter L : 1509' Feet From The SOUTH Line and 967' Feet From The WEST Line

Section 30 Township 32N Range 20E NMPM COLFAX County

10. Date Spudded 07/24/99	11. Date T.D. Reached 07/26/99	12. Date Compl. (Ready to Prod.) 09/22/99	13. Elevations (DF, RB, RT, GR, etc.) 8224' (GR)	14. Elev. Casinghead 8223' (GR)
------------------------------	-----------------------------------	--	---	------------------------------------

15. Total Depth 2644'	16. Plug Back T.D. 2608'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools 0 - TD	Cable Tools NONE
--------------------------	-----------------------------	--	--------------------------	------------------------	---------------------

19. Producing Interval(s), of this completion - Top, Bottom, Name  
2417'-2421'; 2436'-2442'; 2381'-2390';  
2293'-2298'; 2326'-2329'

VERMEJO COALS

20. Was Directional Survey Made  
NO

21. Type Electric and Other Logs Run  
INDUCTION LOG; COMPENSATED DENSITY 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	354'	11"	110	NONE
5 1/2"	15.50	2609'	7 7/8"	300	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	2470'	

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

2417'-2421' 2326'-22329' SHOT 4 STF  
2436'-2442' .48" DIA. HOLES  
2381'-2390' 108 HOLES TOTAL  
2293'-2298'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2293'-2442'	1500 gals of 7 1/2 % HCL; 167,000 lbs of 20/40; 83,000 lbs of 16/30; 1,965,000 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) PRODUCING		
Date of Test 9/27/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF TSTM	Water - Bbl. 200	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 7 psi	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 200	Oil Gravity - API - (Corr.)	

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

# 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 STATE

## Southeastern New Mexico

T. Anhy	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka
T. Yates	T. Miss
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinebry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo	T.
T. Wolfcamp	T.
T. Penn	T.
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 – 2278' _____
T. Todillo _____	T. Trinidad – 2472' _____
T. Entrada _____	T. Pierre – 2563' _____
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

**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-18, meter station no. 'A-18' located in unit letter L, Section 30, 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 Lalland

Title: **Facilities Engineer**

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

October 5, 1999

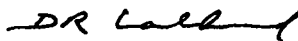
Mark Ashley  
New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

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