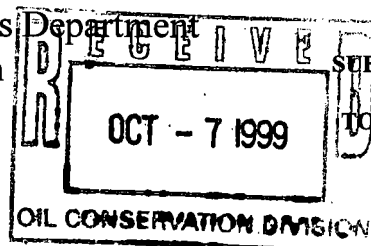


District I - (505) 393-6161  
1625 N. French Dr  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

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 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 03		API Number 30-007-20112	
UL J	Section 36	Township 32N	Range 19E	Feet From The 1549	North/South Line SOUTH	Feet From The 1503	East/West Line EAST	County COLFAX

## II. Date/Time Information

Spud Date 06/18/99	Spud Time 5:00 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 Ishley</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.

PN2V2006933907

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.  
30-007-20112

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

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

8. Well No. VPR 'A' - 3

9. Pool name or Wildcat

4. Well Location

Unit Letter J : 1549 feet from the South line and 1503 feet from the East line  
Section 36 Township 32 N Range 19 E NMPM Colfax County

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

8133'(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 recompilation.

6/19/99: RU Thornton Rig 1. Spud well at 6 pm. Drill 11" hole to 364.'

6/20/99: Run and set 8 5/8" 24# J55 surface casing at 350'  
Cement with 140 sx. Circ. 30 sx. to surface.

6/22/99: Drill 7 7/8" hole to 2405'. Unable to run open hole logs past 885'

6/24/99: RD Thornton. RU completion rig. Ran and set 5 1/2" 17# casing at 2391'.

6/25/99: Cement with 325 sx. Circ. 2 bbls. To surface.

6/28/99 Ran cased hole neutron log. Ran cement bond log.  
Found good cement throughout with TOC at 220'.

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 7/31/99

Type or print name Donald R. Lankford

Telephone No. (505) 445-4620

This space for State Use

APPROVED BY [Signature]

TITLE DISTRICT SUPERVISOR

DATE 7/22/99

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

<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.)		WELL API NO. 30-007-20112
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Coalbed Methane <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator SONAT RATON, L.L.C.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 190; Raton, NM 87740		7. Lease Name or Unit Agreement Name: VPR 'A'
4. Well Location Unit Letter <u>J</u> : <u>1549</u> feet from the <u>South</u> line and <u>1503</u> feet from the <u>East</u> line Section <u>36</u> Township <u>32 N</u> Range <u>19 E</u> NMPM Colfax County		8. Well No. <u>-3</u>
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8281'(GR)		9. Pool name or Wildcat

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 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 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 2299 - 2302; 2288 - 2293; 2280 - 2284 W/4 SPF.  
Frac 2280 - 2302 W/100,000 of sand.  
Set RBP @ 2276  
Perforate casing 2235 - 2238; 2250 - 2253; 2266 - 2270 W/4 SPF  
Frac 2235 - 2270 W/75,000 of sand.  
Set RBF @ 2220'.  
Perforate casing 2204' - 2210' W/4 SPF and frac W/50,000 of sand.  
Set RBP @ 2180'  
Perforate casing 2124 - 2129, 2154 - 2157. W/4 SPF  
Frac 2124 - 2157 W/75,000 lbs of sand.  
Clean out to 2390 and 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:

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.

30-007-20112

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. 03

3. Address of Operator

P.O. BOX 190: RATON, NM 87740

9. Pool name or Wildcat

4. Well Location

Unit Letter J 1549 Feet From The SOUTH Line and 1503 Feet From The EAST Line

Section 36 Township 32N Range 19E NMPM Colfax County

10. Date Spudded  
06/19/99

11. Date T.D. Reached  
06/22/99

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

13. Elevations (DF & R(B. RT, GR, etc.)  
8133' GR

14. Elev. Casinghead  
8132'

15. Total Depth  
2405'

16. Plug Back T.D.  
2390'

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

2124 - 2157; 2204 - 2210; 2235 - 2270; 2280 - 2302; VERMEJO COALS

20. Was Directional Survey Made  
No

21. Type Electric and Other Logs Run

CDL; INDUCTION LOG; GR/W/NEUTRON 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#	350'	11"	140 SKS	NONE
5 1/2	17#	2391'	7 7/8"	325 SKS	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	2307	

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

SEE ATTACHMENT FOR DETAILS.

156 .48# DIA. HOLES

157 2124' - 2302'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2124 - 2302	2000 GALS. 7 1/2% HCL; 250,000 LBS.
	OF 20/40; 50,000 LBS OF 16/30;
	1,485,000 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 09/27/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF TSTM	Water - Bbl. 326	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 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

PERFORATION RECORD

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

DRL - C4 f

DONALD R. LANKFORD

SR. PETROLEUM ENGINEER

09/30/99

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.

## Southeastern New Mexico

1. Anhy	T. Canyon
2. Salt	T. Strawn
3. Salt	T. Atoka
4. Yates	T. Miss
5. 7 Rivers	T. Devonian
6. Queen	T. Silurian
7. Grayburg	T. Montoya
8. San Andres	T. Simpson
9. Glorieta	T. McKee
10. Paddock	T. Ellenburger
11. Blinebry	T. Gr. Wash
12. Tubb	T. Delaware Sand
13. Drinkard	T. Bone Springs
14. Abo	T.
15. Wolfcamp	T.
16. Penn	T.
17. Cisco (Bough C)	T.

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 – 2084'_____
T. Todilto_____	T. Trinidad – 2330'_____
T. Entrada_____	T. _____
T. Wingate_____	T. _____
T. Chinle_____	T. _____
T. Permian_____	T. _____
T. Penn "A"_____	T. _____

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

include data on rate of water inflow and elevation to which water rose in hole.

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

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

PERFORATION RECORD  
VPR "A" #3

9/23/99

The perforating was done by Patterson Wireline using a 4" casing gun with 19 gram charges.  
The hole diameters are .48". The perforating was done on 7/06-11/99.

Stage 1	2280'-2284'	4'	4 SPF	16 holes
	2288'-2293'	5'	4 SPF	20 holes
	2299'-2302'	3'	4 SPF	<u>12 holes</u>
				48 holes
Stage 2	2235'-2238'	3'	4 SPF	12 holes
	2250'-2254'	4'	4 SPF	16 holes
	2264'-2270'	6'	4 SPF	<u>24 holes</u>
				52 holes
Stage 3	2204'-2210'	6'	4 SPF	24 holes
Stage 4	2124'-2129'	5'	4 SPF	20 holes
	2154'-2157'	3'	4 SPF	<u>12 holes</u>
				32 holes
			Total	156 holes

**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-3, meter station no. 'A-3' located in unit letter J, Section 36, Township 32 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 Lohmeyer

Title: **Facilities Engineer**

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

October 5, 1999

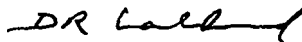
Mark Ashley  
New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

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