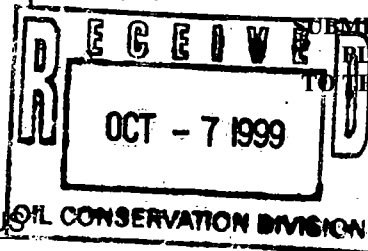


## Energy Minerals and Natural Resources Department

## Oil Conservation Division

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



## APPLICATION FOR NEW WELL STATUS

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

## 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 12		API Number 30-007-20126	
UL P	Section 02	Township 31N	Range 19E	Feet From The 1225	North/South Line South	Feet From The 947	East/West Line East	County COLFAX

## II. Date/Time Information

Spud Date 07/31/99	Spud Time 11:00 AM	Date Completed 09/22/99	Pool
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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 Oct., 99

Carolyn DeConna  
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 Bahley</u>	Title <u>P.E. Spec.</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.

PVZV2006934494

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.  
30-007-20126  
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 P : 1225.01 feet from the South line and 947.22 feet from the East line

Section 02 Township 31 N Range 19 E NMPM Colfax  
County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
8209'(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.

07/31/99: MIRU Pense Rig #8. Spud well at 11:00 A.M. Drill 11" hole to 360'. Ran and set 8-5/8", 23# WC-50 casing at 349'. Cement with 100 sx. Circ. 19 sx to surface.

08/01/99: T.D. 7-7/8" hole at 2510'.

08/02/99: Run open hole logs. RD Pense Rig #8. MIRU completion Rig. Ran and set 5-1/2", M-50 casing at 2433'. Cement with 350 sx. No cement to surface.

08/20/99: Ran CBL. Found TOC @ 950' 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 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

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.) 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Coalbed Methane		WELL API NO. 30-007-20126
2. Name of Operator <b>SONAT RATON, L.L.C.</b>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
3. Address of Operator P.O. Box 190; Raton, NM 87740		6. State Oil & Gas Lease No.
4. Well Location Unit Letter _____ P _____ : 1225.01 _____ feet from the _____ South _____ line and 947.22 _____ feet from the _____ East _____ line Section 02 Township 31 N Range 19 E NMPM Colfax County _____		7. Lease Name or Unit Agreement Name: <b>VPR 'A'</b>
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8209'(GR)		8. Well No. - <b>12</b>
		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: 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 2228 - 2232, 2209 - 2213 W/4 SPF.  
Frac'd 2213 - 2232 W/53,000 lbs. of sand.  
Set RBP @ 2150'  
Perforated casing 2122 - 2126, 2115 - 2119 W/4 SPF.  
Frac'd 2115 - 2126 W/106,000 lbs. of sand.  
Clean out to 2432'.  
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 9/29/99

Type or print name Donald R Lankford Telephone No. (505) 445-4620

(This space for State use)

APPROVED BY R. 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

Form C-105  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO. 30-007- <del>2011</del> 20126
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/> COALBED METHANE <input type="checkbox"/>	7. Lease Name or Unit Agreement Name  VPR 'A'
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>	8. Well No. 12
2. Name of Operator SONAT RATON, L.L.C.	9. Pool name or Wildcat
3. Address of Operator P.O. BOX 190: RATON, NM 87740	

4. Well Location Unit Letter _____ P. 1225 Feet From The SOUTH Line and 947 Feet From The EAST Line Section 02 Township 31N Range 19E NMPM Colfax County					
10. Date Spudded 07/31/99	11. Date T.D. Reached 08/01/99	12. Date Compl. (Ready to Prod.) 09/22/99	13. Elevations (DF& R(B. RT, GR, etc.) 8209' (GR)	14. Elev. Casinghead 8208'	
15. Total Depth 2510'	16. Plug Back T.D. 2432'	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 2228 - 2232; 2209 - 2213; 2122 - 2126; 2115 - 2119 VERMEJO COALS					20. Was Directional Survey Made NO
21. Type Electric and Other Logs Run CDL; Induction Log; CBL					22. Was Well Cored NO

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#	349'	11"	100 SKS	NONE
5 1/2	15.50#	2433'	7 7/8"	350 SKS	NONE

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	2259	
26. Perforation record (interval, size, and number) 2228 - 2232 ; 2209 - 2213 2122 - 2126; 2115 - 2119 Shot 4 SPF 48" dia holes 64 holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 2115 - 2232 1000 GAL OF 7 1/2 hcl; 80,000 LBS. of 20/40; 79,000 lbs. of 16/30; 730,000 scf of N2 (70 quality foam)		

PRODUCTION

28. 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. 180	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 7 PSI	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 180	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 L. C. A.* Printed Name *Donald R. Lankford* Title *Sen. Petroleum Engineer* Date *9/30/99*

# 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 STATI

## 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 - 2087' \_\_\_\_\_  
T. Trinidad - 2324' \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_  
T. \_\_\_\_\_

## OIL OR GAS SANDS OR ZONE

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-12, meter station no. 'A-12' located in unit letter P, Section 2, 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