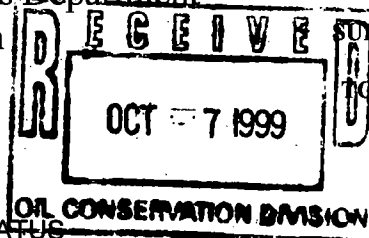


District I - (505) 393-6161
 1625 N. French Dr
 Hobbs, NM 88241-1980
 District II - (505) 748-1283
 811 S. First
 Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Road
 Aztec, NM 87410
 District IV - (505) 827-7131

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 02		API Number 30-007-20111	
UL C	Section 06	Township 31N	Range 20E	Feet From The 577	North/South Line NORTH	Feet From The 1593	East/West Line WEST	County COLFAX

II. Date/Time Information

Spud Date 06/12/99	Spud Time 08:00 AM	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.

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. 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.

PVZV 2006933814

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

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.)		WELL API NO. 30-007-20111
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:
4. Well Location Unit Letter <u>C</u> : <u>577</u> feet from the <u>North</u> line and <u>1593</u> feet from the <u>West</u> line Section <u>6</u> Township <u>31 N</u> Range <u>20 E</u> NMPM Colfax County		8. Well No. VPR 'A' - 2
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8051'(GR)		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 recompletion.

6/13/99: RU Thornton Rig 1. Spud well at 8 am. Drill 11" hole to 368'.
Run and set 8 5/8" 24" J55 surface casing at 349'.
Cement with 141 sx. Circ. 9.5 sx. To surface.

6/15/99: Drill 7 7/8" hole at 2370: Ran open hole logs. RD Thornton.
RU Completion rig. Ran and set 5 1/2" 17# J-55 casing at 2338:

6/16/99: Cement with 280 sx. Circ. Gray water to surface.

6/17/99 Ran CBL. Showed good bond throughout with TOC at 190'.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE DR L. L. L. L. TITLE Sr. Petroleum Engineer
DATE 7/21/99

Type or print name
This space for State use

Telephone No. (505) 445-4620

APPROVED BY R. E. Johnson 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

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO.
30-007-20111
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 C : 577 feet from the North line and 1593 feet from the West line
Section 6 Township 31 N Range 20 E NMPM Colfax County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
8051'(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 2202 - 08 w/4SPF, 4SPF, 2194-98, 2185-88, & 2172 - 76 W/2SPF
Fracture treat perfs 2172 - 2208 w/200,000 #sand
Set RBP @ 2050'
Perforate 1978 - 82' w/4 SPF
Fracture treat perfs. 1978- 82' w/50,000 #sand
CO. to 2332'
RIH W/PCP AND TBG. Nu stuffing box & tbg.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Donald R. Lankford TITLE Petroleum Engineer Advisor DATE 8/31/99

Type or print name Donald R. Lankford

Telephone No.

(This space for State use)

APPROVED BY [Signature] TITLE DISTRICT SUPERVISOR DATE 9/2/99
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.

30-007-20111

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, L.L.C.

3. Address of Operator

P.O. BOX 190: RATON, NM 87740

7. Lease Name or Unit Agreement Name

VPR 'A'

8. Well No. 02

9. Pool name or Wildcat

4. Well Location

Unit Letter C : 577 Feet From The North Line and 1593 Feet From The West Line

Section 06 Township 31N Range 20E NMPM Colfax

County

10. Date Spudded

06/12/99

11. Date T.D. Reached

06/14/99

12. Date Compl. (Ready to Prod.)

09/22/99

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

8051' GR

14. Elev. Casinghead

8051'

15. Total Depth

2370'

16. Plug Back T.D.

2334'

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

1978-1982; 2172-2176; 2185 - 2188; 2194-2198; 2202-2208

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	24#	349'	11"	141 SKS	NONE
5 1/2	17#	2334'	7 7/8"	280 SKS	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	2189	

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

1978 - 1982; 16 HOLES
2172 - 2176; 8 HOLES
2185 - 2188; 6 HOLES
2194 - 2198; DIA; 8 HOLES
2202-2208; 24 HOLES
SHOT R spf '48" DIA HOLES
62 HOLES

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1978 - 2208	900 GALS 7 1/2 HCL; 198,400 LBS. OF
	20/40; 50, 480 LBS 16/30; 1,085,000
	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. 437
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 437	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

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 STATE

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 - 1976'
T. Trinidad - 2224'
T. Pierre - 2317'
T.
T.
T.
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

From	To	Thickness In Feet	Lithology

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

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.)		WELL API NO. 30-007-20111
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:
4. Well Location Unit Letter <u>C</u> : <u>577</u> feet from the <u>North</u> line and <u>1593</u> feet from the <u>West</u> line Section <u>6</u> Township <u>31 N</u> Range <u>20 E</u> NMPM Colfax County		8. Well No. VPR 'A' - 2
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8051'(GR)		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.

6/13/99: RU Thornton Rig 1. Spud well at 8 am. Drill 11" hole to 368'.
Run and set 8 5/8" 24" J55 surface casing at 349'.
Cement with 141 sx. Circ. 9.5 sx. To surface.

6/15/99: Drill 7 7/8" hole at 2370: Ran open hole logs. RD Thornton.
RU Completion rig. Ran and set 5 1/2" 17# J-55 casing at 2338:

6/16/99: Cement with 280 sx. Circ. Gray water to surface.

6/17/99 Ran CBL. Showed good bond throughout with TOC at 190'.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE DR L. L. L. L. TITLE Sr. Petroleum Engineer

DATE 7/21/99

Type or print name
This space for State use

Telephone No. (505) 445-4620

APPROVED BY R. E. Johnson 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

WELL API NO. 30-007-20111	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name: VPR 'A'	
8. Well No. - 2	
9. Pool name or Wildcat	
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 <input type="checkbox"/> Gas Well <input type="checkbox"/> 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 C : 577 feet from the North line and 1593 feet from the West line Section 6 Township 31 N Range 20 E NMPM Colfax County	
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8051'(GR)	

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 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 type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: COMPLETION <input checked="" 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.

Perforate 2202 - 08 w/4SPF, 4SPF, 2194-98, 2185-88, & 2172 - 76 W/2SPF
Fracture treat perfs 2172 - 2208 w/200,000 #sand
Set RBP @ 2050'
Perforate 1978 - 82' w/4 SPF
Fracture treat perfs. 1978- 82' w/50,000 #sand
CO. to 2332'
RIH W/PCP AND TBG. Nu stuffing box & tbg.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Donald R. Lankford TITLE Petroleum Engineer Advisor DATE 8/31/99
Type or print name Donald R. Lankford 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 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.

30-007-20111

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.

3. Address of Operator

P.O. BOX 190: RATON, NM 87740

7. Lease Name or Unit Agreement Name

VPR 'A'

8. Well No. 02

9. Pool name or Wildcat

4. Well Location

Unit Letter C : 577 Feet From The North Line and 1593 Feet From The West Line

Section 06 Township 31N Range 20E NMPM Colfax

County

10. Date Spudded

06/12/99

11. Date T.D. Reached

06/14/99

12. Date Compl. (Ready to Prod.)

09/22/99

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

8051' GR

14. Elev. Casinghead

8051'

15. Total Depth

2370'

16. Plug Back T.D.

2334'

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

1978-1982; 2172-2176; 2185 - 2188; 2194-2198; 2202-2208

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	24#	349'	11"	141 SKS	NONE
5 1/2	17#	2334'	7 7/8"	280 SKS	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	2189	

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

1978 - 1982; .16 HOLES 2202-2208; .24 HOLES
2172 - 2176; .8 HOLES
2185 - 2188; .6 HOLES SHOT R spf '48" DIA HOLES
2194 - 2198; . DIA; 8 HOLES 62 HOLES

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1978 - 2208	900 GALS 7 1/2 HCL; 198,400 LBS. OF
	20/40; 50, 480 LBS 16/30; 1,085,000
	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. 437	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 437	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

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 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. Blinberry	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 - 1976'
T. Todillo	T. Trinidad - 2224'
T. Entrada	T. Pierre - 2317'
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

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-2, meter station no. 'A-2', located in unit letter C, Section 6, Township 31 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 Lalk

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