

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.
 30-007-20118

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 M : 1281.84 feet from the South line and 824.69 feet from the West line
 Section 36 Township 32 N Range 19 E NMPM Colfax
 County

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

8. Well No. - 14

9. Pool name or Wildcat

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
 8245.73'(GR)

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: 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"/>		SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/> OTHER: <input type="checkbox"/>	
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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 Thornton Rig #2. Spud well at 1:00 P.M. Drill 11" hole to 364'.
 08/01/99: Ran and set 8-5/8", 23#, WC-50 casing at 352'.
 Cement with 100 sx - Circ. 22 sx to surface.
 08/03/99: T.D. 7-7/8" hole @ 2580'.
 08/04/99: Run open hole logs. RDMO Thornton Rig #2. MIRU completion Rig. Ran and set 5 1/2", 15.5#, M-50 casing at 2541'.
 Cement with 300 sx. No cement to surface.
 08/16/99: Ran CBL. Found TOC at 1400' 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. Patscher* TITLE Petroleum Engr. Advisor DATE 8/31/99

Type or print name Noel W. Patscher Telephone No. 505-445-46
 (This space for State use)

APPROVED BY *[Signature]* TITLE DISTRICT SUPERVISOR DATE 9/2/99
 Conditions of approval, if any:

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OIL CONSERVATION DIVISION
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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. 30-007-20118
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Coalbed Methane		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>M</u> : <u>1281.84</u> feet from the <u>South</u> line and <u>824.69</u> feet from the <u>West</u> line Section <u>36</u> Township <u>32 N</u> Range <u>19 E</u> NMPM Colfax County		8. Well No. - 14 9. Pool name or Wildcat
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8245.73'(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: <input type="checkbox"/>	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.

Perforated casing, 2205 - 2209, 2224 - 2228 W/4 SPF. Frac'd 2205 - 2228 W/103,000 lbs. of sand. Set RBP @ 1455'. Perf squeeze holes 1350 - 1352 W/4 SPF. BJ mixed and pumped 300 sks. Platts cement and tailed in W/ 150 sks type III. Circulated 30 bbls of slurry to surface. Drilled out and pulled RBP and Ran CBL. Showed cement to surface.
 Set RBP @ 2080'.
 Perforated casing 1474 - 1478, 1442 - 1446, 1395 - 1399, 1382 - 1386 W/4 SPF.
 Set RBP @ 1260'.
 Perforated casing 1200 - 1204 W/4 SPF and frac'd W/52,000 lbs of sand.
 Set RBP @ 1212.
 Perforated casing 1200 - 1204, W/4 SPF and frac'd W/29,000 lbs of sand.
 Set RBP @ 1170
 Perforated casing 1159 - 1163 W/4 SPF and frac'd W/30,000 lbs. of sand.
 Clean out to 2541 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 DR Lankford TITLE Sr. Petroleum Engineer DATE 9/30/99

Type or print name Donald R. Lankford Telephone No.

(This space for State use)
 APPROVED BY [Signature] TITLE DISTRICT SUPERVISOR DATE 9/30/99
 Conditions of approval, if any:

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OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

WELL API NO. 30-007-20118
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 WORK WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator SONAT RATON, L.L.C.	8. Well No. 14
3. Address of Operator P.O. BOX 190: RATON, NM 87740	9. Pool name or Wildcat

4. Well Location
 Unit Letter M : 1282 Feet From The SOUTH Line and 825 Feet From The WEST Line
 Section 36 Township 32N Range 19E NMPM Colfax
 County

10. Date Spudded 07/31/99	11. Date T.D. Reached 08/03/99	12. Date Compl. (Ready to Prod.) 09/22/99	13. Elevations (DF& R(B. RT, GR, etc.) 8246 (GR)	14. Elev. Casinghead 8245'
15. Total Depth 2580'	16. Plug Back T.D. 2541'	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 2205 - 2209; 2224 - 2228; 1474 - 1478; 1442 - 1446; 1395 - 1399; 1382 - 1386; 1234 - 1241; 1200 - 1204; 1159 1163 RATON VERMEJO COALS				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	23#	352'	11"	100 SKS.	NONE
5 1/2	15.50#	2542'	7 7/8"	300 SKS	NONE

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	2234	
26. Perforation record (interval, size, and number) 2205 - 2209 1382 - 1386 1395 - 1399 2224 - 2228 1234 - 1241 Shot 4 SPF 1474 - 1478 1200 - 1204 .48" dia. holes 1442 - 1446 1159 - 1163 156 holes total				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 1159 - 2228 2500 gals of 7 1/2% HCL; 180,000 lbs. of 20/40; 161,000lbs. of 16/30; 1,502,000 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 09/28/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF TSTM	Water - Bbl. 254	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 7 PSI	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 254	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 Donald R. Lankford	Title Senior Petroleum Engineer	Date 09/30/99
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**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-14, meter station no. 'A-14' located in unit letter M, 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 Leland

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