

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. **30-007-20120**

5. Indicate Type of Lease

STATE ☐ FEE ☒

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG1a. 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, LLC3. Address of Operator
P.O. BOX 190, RATON, NM 877407. Lease Name or Unit Agreement Name
VPR 'A'8. Well No. **21**

9. Pool name or Wildcat

4. Well Location

Unit Letter O : 1195' Feet From The SOUTH Line and 1887' Feet From The EAST LineSection 31 Township 32N Range 20E NMPM COLFAX County

10. Date Spudded 08/02/99	11. Date T.D. Reached 08/03/99	12. Date Compl. (Ready to Prod.) 09/22/99	13. Elevations (DF, RB, RT, GR, etc.) 8058' (GR)	14. Elev. Casinghead 8057' (GR)
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15. Total Depth 2420'	16. Plug Back T.D. 2370'	17. If Multiple Compl. How Many Zones? VERMEJO COALS	18. Intervals Drilled By 0 - TD	Rotary Tools 0 - TD	Cable Tools NONE
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19. Producing Interval(s), of this completion - Top, Bottom, Name

2212'-2216'; 2178'-2182'; 2142'-2146';

2003'-2007'; 1996'-2000'; 1987'-1991'

VERMEJO COALS

20. Was Directional Survey Made
NO

21. Type Electric and Other Logs Run

INDUCTION LOG; GR/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"	23	349'	11"	100	NONE
5 1/2"	15.50	2371'	7 7/8"	300	NONE

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2 7/8"	2470'	

26. Perforation record (interval, size, and number)			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
1987'-1991'	2178'-2182'	SHOT 4 SPF .52" DIA. HOLES 96 HOLES TOTAL	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
1996'-2000'	2212'-2216'		1987'-2216'	1500 gals of 7 1/2 % HCL; 1500 gals of 15% HCL; 161,544 lbs of 20/40;	
2003'-2007'				125,000 lbs of 16/30; 1,577,000 scf of N2.	
2142'-2146'				(70 quality foam)	

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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 9/26/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF TSTM	Water - Bbl. 225
Flow Tubing Press.	Casing Pressure 7 psi	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 225	Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

USED FOR FUEL AND VENTED THE N2Test 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

DON LANKFORDTitle **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, 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 STA

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 – 1987' _____
T. Todilto _____	T. Trinidad – 2226' _____
T. Entrada _____	T. Pierre – 2315' _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZON

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

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGICAL RECORD

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology