

State of New Mexico
Energy, Minerals and Natural ResourcesOIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505Form C-105
Revised March 25, 1999

WELL API NO.

30-007-20115

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.

7. Lease Name or Unit Agreement Name

VPR 'A'

8. Well No. 06

3. Address of Operator

P.O. BOX 190: RATON, NM 87740

9. Pool name or Wildcat

4. Well Location

Unit Letter D 1254 Feet From The NORTH Line and 863 Feet From The WEST Line

Section 31 Township 32N Range 20E NMPM Colfax

County

10. Date Spudded

06/23/99

11. Date T.D. Reached

06/26/99

12. Date Compl. (Ready to Prod.)

09/22/99

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

8110' (GR)

14. Elev. Casinghead

8109'

15. Total Depth

2379'

16. Plug Back T.D.

2374'

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

2285 - 2288; 2269 - 2273; 2248 - 2258; 2151 - 2155; 2097 - 2104

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	24#	353'	11"	120 SKS	NONE
5 1/2	17#	2375'	7 7/8"	345 SKS	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	2281	

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

2285 - 2288 4 SPF

2269 - 2273 4 SPF

2248 - 2258 2 SPF

2151 - 2155 4 SPF

2097 - 2104 4 SPF

48" DIA HOLES

92 TOTAL HOLES

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

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

2097 - 2288

1000 GAL OF 7 1/2 hcl; 150,000 LBS. of 20/40;

50,000 lbs. of 16/30;

1,090,000 scf of N2 (70 quality foam)

28. PRODUCTION

Date First Production

09/22/99

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

Water - Bbl.

180

Gas - Oil Ratio

Flow Tubing

Press.

Casing Pressure

7 PSI

Calculated 24-

Hour Rate

Oil - Bbl.

Gas - MCF

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

DONALD R. LANKFORD

Printed

Name

DONALD R. LANKFORD

Title

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 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 - 2087' _____
T. Trinidad - 2324' _____
T. _____
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