

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-105  
Revised 1-1-89

MAR 28 1993

O.C.D.

WELL API NO. 30-015-27180

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No. VB-407

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

7. Lease Name or Unit Agreement Name  
Warthog "2" State

2. Name of Operator  
Santa Fe Energy Operating Partners, L.P.

8. Well No. 2

3. Address of Operator  
550 W. Texas, Suite 1330, Midland, Texas 79701

9. Pool name or Wildcat  
East Herradura Bend (Delaware)

4. Well Location  
Unit Letter H : 1980 Feet From The North Line and 660 Feet From The East Line  
Section 2 Township 23S Range 28E NMPM Eddy County

10. Date Spudded 12-15-92 11. Date T.D. Reached 12-25-92 12. Date Compl. (Ready to Prod.) 2-18-93 13. Elevations (DF & RKB, RT, GR, etc.) 3073.7' GR 14. Elev. Casinghead

15. Total Depth 6356' 16. Plug Back T.D. 6000' 17. If Multiple Compl. How Many Zones? N/A 18. Intervals Drilled By Rotary Tools All Cable Tools N/A

19. Producing Interval(s), of this completion - Top, Bottom, Name 5910'-5980' (Delaware) 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run 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"      | 24.0          | 400'      | 12-1/4"   | 250 sx "C" (circ)                                                      | None          |
| 5-1/2"      | 15.5          | 6356'     | 7-7/8"    | 1st Stage: 325 sx Prem +<br>2nd Stage: 1425 sx Cl C +<br>100 sx C-Neat |               |

| LINER RECORD |     |        |              | TUBING RECORD |        |           |
|--------------|-----|--------|--------------|---------------|--------|-----------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN        | SIZE   | DEPTH SET |
| N/A          |     |        |              |               | 2-7/8" | 5813'     |

26. Perforation record (interval, size, and number)  
6126'-6172' (38 holes) Plugged  
5910'-5980' (36 holes) 4" csg gun

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED  
6126'-6172' CIBP @ 6010' w/ 10' cmt on top  
5910'-5980' 2000 gal 7 1/2% NEFE + 70 BS.  
Frac w/ 5000 gal pre-pad,

28. PRODUCTION 26,000 gal wtr frac + 50,000# sand.

Date First Production 1-30-93 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping Well Status (Prod. or Shut-in) Producing

|              |              |            |                        |            |           |              |                 |
|--------------|--------------|------------|------------------------|------------|-----------|--------------|-----------------|
| Date of Test | Hours Tested | Choke Size | Prod'n For Test Period | Oil - Bbl. | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
| 3-3-93       | 24           | N/A        |                        | 11         | 43        | 164          | 3909            |

|                    |                 |                         |            |           |              |                             |
|--------------------|-----------------|-------------------------|------------|-----------|--------------|-----------------------------|
| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (Corr.) |
| N/A                | 30              |                         | 11         | 43        | 164          | 40.5°                       |

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented - Sales connection pending Test Witnessed By

30. List Attachments  
C-104, Logs, Deviation Survey

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Terry McCullough Printed Name Terry McCullough Title Sr. Prod. Clerk Date 3/10/93

# 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 313  
 B. Salt 2510  
 T. Yates \_\_\_\_\_  
 T. 7 Rivers \_\_\_\_\_  
 T. Queen \_\_\_\_\_  
 T. Grayburg \_\_\_\_\_  
 T. San Andres \_\_\_\_\_  
 T. Glorieta \_\_\_\_\_  
 T. Paddock \_\_\_\_\_  
 T. Blinbry \_\_\_\_\_  
 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 2780  
 T. Bone Springs 6310  
 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 Otzie \_\_\_\_\_  
 T. Granite \_\_\_\_\_  
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### OIL OR GAS SANDS OR ZONES

No. 1, from 5874 to 6018  
 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 6126 to 6172 feet Swab 926 BW over load  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet

### LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To   | Thickness<br>in Feet | Lithology                                                      | From | To | Thickness<br>in Feet | Lithology |
|------|------|----------------------|----------------------------------------------------------------|------|----|----------------------|-----------|
| 2510 | 2741 | 231                  | Anhydrite w/ varying amounts of limestone, dolomite and shale  |      |    |                      |           |
| 2741 | 2780 | 39                   | Limestone w/ varying amounts of sandstone and shale.           |      |    |                      |           |
| 2780 | 6310 | 3530                 | Sandstone w/ varying amounts of shale, limestone and dolomite. |      |    |                      |           |
| 6310 | 6355 | 45                   | Limestone w/ varying amounts of shale                          |      |    |                      |           |