

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

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

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

WELL API NO. **30-015-27181**

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 Resources, Inc.

3. Address of Operator

550 W. Texas, Suite 1330, Midland, TX 79701

8. Well No.

3

9. Pool name or Wildcat

East Herradura Bend (Delaware)

4. Well Location

Unit Letter G : 1980 Feet From The North Line and 1980 Feet From The East Line

Section 2 Township 23S Range 28E NMPM Eddy County

10. Date Spudded 12/28/92 11. Date T.D. Reached 1/8/93 12. Date Compl.(Ready to Prod.) 12/25/97 13. Elevations(DF & RKB, RT, GR, etc.) 3065.3' GR 14. Elev. Casinghead --

15. Total Depth 6390' 16. Plug Back T.D. 6297' 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

6056' -6176' (Delaware)

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

DLL/MSFL/CBL/LDT

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#	407'	12-1/4"	275 sx C1 "C" + 4 yds	None
				ready mix (TOC Surf)	
5-1/2"	15.5#	6390'	7-7/8"	1st stage 425 sx C1 "C"	None
				2nd stage 1100 sx C-Lite &	
				100 sx C1 "C" (circ'd)	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
N/A					2-7/8"	5947'	N/A

25. TUBING RECORD

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

6056' -6176' (14 holes) w/ 4" csg gun

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

6056' -6176' 2250 gal 7-1/2% NeFe & 28 BS.
Frac'd w/16,900 gals gel & 65,800#
16/30 Jordan sand & 15,000# RCS.

28. PRODUCTION

Date First Production 12/29/97 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 2-1/2" x 1-1/2" x 16' rod pump Well Status (Prod. or Shut-in) Producing

Date of Test 1/1/98 Hours Tested 24 Choke Size N/A Prod'n For Test Period 25 Oil - Bbl. 117 Gas - MCF 117 Water - Bbl. 220 Gas - Oil Ratio 4680

Flow Tubing Press. TP 150# Casing Pressure 0 Calculated 24-Hour Rate 25 Oil - Bbl. 117 Gas - MCF 117 Water - Bbl. 220 Oil Gravity - API (Corr.) 41.7 deg

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

Sold - Highland Gas Corp.

Test Witnessed By

30. List Attachments

Deviation Survey, C-104, Logs

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 2/26/98

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

Northeastern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>319</u>	T. Strawn _____	T. Kentland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>2496</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand <u>2754</u>	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs <u>6301</u>	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	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
2754	6301		Sands w/ minor shale and limestone
6301	TD		Limestone w/ minor shale