

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

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

2040 Pacheco St.
Santa Fe, NM 87505

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

WELL API NO.

30-025-34456

5. Indicate Type Of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

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 ☐

DEEPEEN ☐

PLUG
BACK ☐

DIFF
RESVR ☐

OTHER ☐

7. Lease Name or Unit Agreement Name

Thistle Unit

2. Name of Operator

Santa Fe Energy Resources, Inc.

8. Well No.

4

3. Address of Operator

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

9. Pool name or Wildcat Johnson Ranch
Brinninstool (Wolfcamp)

4. Well Location

Unit Letter N : 660 Feet From The South Line and 1980 Feet From The West Line

Section 34

Township 23S

Range 33E

NMPM

Lea

County

10. Date Spudded

10/10/98

11. Date T.D. Reached

11/22/98

12. Date Compl.(Ready to Prod.)

1/08/99

13. Elevations(DF & RKB, RT, GR, etc.)

3641' GR

14. Elev. Casinghead

15. Total Depth

13,767'

16. Plug Back T.D.

13,707'

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

13,475' - 13,619' (Wolfcamp)

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

LDT/CNL, AIT & ALL/MCFL; BHC, RFT

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
13-3/8" H-40	48.0	605'	17-1/2"	600 sx Cl "C" (circ'd)	None
9-5/8"	40.0	5,088'	12-1/4"	1400 sx Poz & "C" (circ'd)	None
7" P-110	26.0	12,640'	8-3/4"	750 sx Poz H	None

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	12,402'	13,767'	245 sx "H"	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
3-1/2"	12,300'	12,485'
2-3/8"	12,485'	

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

13,475' - 13,619' (20 shots) w/ 1-11/16" gun

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
13,475' - 13,619'	23,592 gals 20% X-linked HCl/25Q CO2 acid frac

28. PRODUCTION

Date First Production 1/4/99		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing	
Date of Test 2/9/99	Hours Tested 4 hrs.	Choke Size varied	Prod'n For Test Period	Oil - Bbl. 9.2	Gas - MCF 474	Water - Bbl. 0.5	Gas - Oil Ratio 51,522
Flow Tubing Press. 2910	Casing Pressure pk.	Calculated 24- Hour Rate	Oil - Bbl. 55	Gas - MCF AOF 18,127	Water - Bbl. 3	Oil Gravity - API (Corr.) 58.8	

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

Sold to Union Pacific Highland

Test Witnessed By

30. List Attachments

C-122 + attach. logs, deviation survey, C-104

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 2/17/99

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

Northeastern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	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 5225'	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs 9118'	T. Entrada _____	T. _____
T. Abo _____	T. Wolfcamp 12,393'	T. Wingate _____	T. _____
T. Wolfcamp _____	T. Lower Wolfcamp 13,056'	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 13,462' to 13,620'

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.....tofeet

No. 2, from.....tofeet

No. 3, from.....tofeet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology