

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**

2040 Pacheco St.  
Santa Fe, NM 87505

Form C-105  
Revised 1-1-89

WELL API NO.

30-015-29691

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 ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER \_\_\_\_\_

2. Name of Operator

Santa Fe Energy Resources, Inc.

3. Address of Operator

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

4. Well Location

Unit Letter P : 760 Feet From The South Line and 330 Feet From The East Line

Section 16

Township 23S

Range 29E

NMPM

Eddy

County

10. Date Spudded 7/23/97 11. Date T.D. Reached 8/4/97 12. Date Compl.(Ready to Prod.) 9/27/97 13. Elevations(DF & RKB, RT, GR, etc.) 2961' GL 14. Elev. Casinghead

15. Total Depth 8100' 16. Plug Back T.D. 8100' 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

7670'-7819' (Bone Spring)

20. Was Directional Survey Made  
No

21. Type Electric and Other Logs Run

PEX/HALS; CMR; MSCT

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
13-3/8" H-40	48.0#	356'	17-1/2"	400 sx Cl "C" (circ'd)	None
8-5/8" K-55	32.0#	2945'	11"	700 sx Poz & "C"	None
5-1/2" K-55	17.0 & 15.5#	8100'	7-7/8"	975 sx 35:65:6 & Cl "H"	None

**24. LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
N/A				

**25. TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
2-7/8"	7556'	N/A

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

7680'-7819' 4" csg gun (22 holes) 1 JSPF

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

7680'-7819' 1500 gal 15% HCl w/44 ball sealers  
Frac'd w/ 40,000 gal gel & 156,000#  
16/30 Jordan & CR sand

**PRODUCTION**

28. Date First Production 9/28/97 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Producing

Date of Test 12/8/97 Hours Tested 24 Choke Size 20/64" Prod'n For Test Period Oil - Bbl. 129 Gas - MCF 507 Water - Bbl. 243 Gas - Oil Ratio 3930

Flow Tubing Press. 420 Casing Pressure 1220 Calculated 24-Hour Rate Oil - Bbl. 129 Gas - MCF 507 Water - Bbl. 243 Oil Gravity - API (Corr.) 44.0 @ 60 deg.F

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

Sold - Highland Corp.

Test Witnessed By

30. List Attachments

C-104. Deviation Survey. 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 01/13/98

## 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 _____	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 Otztze _____
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 _____ 2968	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____ 6692	T. Entrada _____	T. _____
T. Abo _____	T. _____ Cherry Canyon 3852	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____ Brushy Canyon 5408	T. Chinle _____	T. _____
T. Penn _____	T. _____ Lower Brushy Cny 6384	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. 1st Bone Spring Snd 7674	T. Penn "A" _____	T. _____

### OIL OR GAS SANDS OR ZONES

No. 1, from 7674 to 7820 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, 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