

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT TO BLM

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM-69180

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Heavy Metal "14" Fed
No. 1

9. API WELL NO.

30-015-29603

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 14, T-24S, R-31E

12. COUNTY OR
PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

Santa Fe Energy Resources, Inc.

3. ADDRESS AND TELEPHONE NO.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

(J), 1980' FSL & 1980' FEL, Sec. 14, T-24S, R-31E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

9/25/97

16. DATE T.D. REACHED

10/17/97

17. DATE COMPL. (Ready to prod.)

10/21/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3587' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

12,000'

21. PLUG, BACK T.D., MD & TVD

Surf.

22. IF MULTIPLE COMPL.,
HOW MANY*

N/A

23. INTERVALS
DRILLED BY

ROTARY TOOLS

All

CABLE TOOLS

N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

N/A

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Platform Express Azimuthal LL MCFL/GR; Three Detector Density/CNL/GR

27. WAS WELL CORED

Rotary Sidewall

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" H-40&J-55	48,50,54.5#	634'	17-1/2"	Circ'd	None
8-5/8" J-55&K-55	24 & 32#	4479'	11"	Circ'd	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					N/A		

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8516-12,000'	80 sx Cl "C" pmp'd 8516-8300'
4388'	225 sx Cl "C" w/6 bbls on top of retainer at 4438'.
683'-523'	40 sx Cl C. Surf plug 0-60' w/25

33.* PRODUCTION

DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (<i>Flowing, gas lift, pumping - size and type of pump</i>) N/A					WELL STATUS (<i>Producing or shut-in</i>) Plugged	
DATE OF TEST N/A	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

N/A

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

3160-5, Deviation Survey, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Sr. Production Clerk

DATE 11/12/97

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
NOV 14 A 10: 29 REGIONAL HYDROLOGIC CENTER ALBUQUERQUE, N. M. 87103 WATER RESOURCES DIVISION U.S. GEOLOGICAL SURVEY				Rustler	730'	
				Salt top	1066'	
				Base salt	2812'	
				Delaware	4580'	
				Ramsey	4628'	
				Cherry Canyon	5542'	
				Manzanita	5620'	
				Brushy Canyon	7114'	
				basal Brushy Can.	8154'	
				Bone Spring	8449'	
				2nd Bone Sp Lime	9288'	
				3rd BS Lime	9956'	
				Wolfcamp	11,822'	
					915/687 - 3551	