

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____			5. LEASE DESIGNATION AND SERIAL NO. LC-065680		
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other _____			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Santa Fe Energy Resources, Inc.			7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. 550 W. Texas, Suite 1330, Midland, TX 79701 915/687-3551			8. FARM OR LEASE NAME, WELL NO. Shugart "23" 1 Fed Com		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface (J), 1650' FSL & 1980' FEL, Sec. 23, T-18S, R-31E At top prod. interval reported below At total depth			9. API WELL NO. 30-015-30448		
14. PERMIT NO.			DATE ISSUED		12. COUNTY OR PARISH Eddy
15. DATE SPUNDED 12/18/98			16. DATE T.D. REACHED 1/26/99		13. STATE NM
17. DATE COMPL. (Ready to prod.) 3/27/99			18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3675' GR		19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 11,974'		21. PLUG, BACK T.D., MD & TVD 11,680'	22. IF MULTIPLE COMPL., HOW MANY* N/A	23. INTERVALS DRILLED BY →	ROTARY TOOLS A11
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 10,014'-10,096' (Wolfcamp)					25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN					27. WAS WELL CORED No

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	48.0#	700'	17-1/2"	575 sx Poz C & C (circ'd)	None
8-5/8" K-55	32.0 & 24.0	4340'	11"	850 sx Poz C & C (circ'd)	None
5-1/2" J-55	20.0 & 17.0	11,945'	7-7/8"	1100 sx Poz H	None

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
N/A					2-7/8"	9907'
						PACKER SET (MD) 9939'

31. PERFORATION RECORD (Interval, size and number) 11,720-11,724'; 11,750-11,753' & 11,780-11,783' w/ 6 JSPF 3-3/8" TCP gun - plugged 10,014-10,017'; 10,027-10,060' & 10,086-10,096' w/ 2 JSPF			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 11,720'-11,783' CIBP @ 11,700' w/ 20' cmt on top. 10,014'-10,096' 7,500 gal 20% HCl & 120 BS.		
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33.* PRODUCTION							
DATE FIRST PRODUCTION 3/30/99		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 3/31/99	HOURS TESTED 24 hrs.	CHOKE SIZE 15/64"	PROD'N. FOR TEST PERIOD 390	OIL - BBL. 390	GAS - MCF. 350	WATER - BBL. 0	GAS - OIL RATIO 897.4
FLOW. TUBING PRESS. 550	CASING PRESSURE pkf	CALCULATED 24-HOUR RATE →	OIL - BBL. 390	GAS - MCF. 350	WATER - BBL. 0	OIL GRAVITY - API (CORR.)	

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

35. LIST OF ATTACHMENTS
C-104, Deviation Survey, Logs

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

SIGNED *James McCallough* TITLE Production Clerk DATE 04/05/99

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

