

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions 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. NM-81220	
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						8. FARM OR LEASE NAME, WELL NO. Old Ranch Kno11 "8" Federal #3	
4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements) At surface (B), 660' FNL and 2426' FEL, Sec. 8, T-22S, R-24E At top prod. interval reported below At total depth						9. API WELL NO. 30-015-30489	
14. PERMIT NO.						12. COUNTY OR PARISH Eddy	
DATE ISSUED						13. STATE NM	
15. DATE SPUDDED 11/18/98		16. DATE T.D. REACHED 12/11/98		17. DATE COMPL. (Ready to prod.) 1/16/99		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4347' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 8550'		21. PLUG, BACK T.D., MD & TVD 8459'		22. IF MULTIPLE COMPL., HOW MANY* N/A	
23. INTERVALS DRILLED BY		ROTARY TOOLS A11		CABLE TOOLS N/A		25. WAS DIRECTIONAL SURVEY MADE No	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 7988' - 8347' (Cisco Canyon)						27. WAS WELL CORED No	
26. TYPE ELECTRIC AND OTHER LOGS RUN PEX/HALS/NGT							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9-5/8" K-55		36.0#		1607'		12-1/4"	
7" K-55		26.0		8550'		8-3/4"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
N/A							
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-7/8"		8441'		N/A			
31. PERFORATION RECORD (Interval, size and number) 8347' - 8056' (150 holes) 2 SPF w/4" csg gun 7988' - 8020' (30 holes) 2 SPF w/4" csg gun				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
8347' - 8056'				6,000 gals 20% HCl w/65 BS.			
				10,000 gals 20% HCl w/120 BS.			
7988' - 8020'				5000 gals 20% HCl w/35 BS.			
33.* PRODUCTION							
DATE FIRST PRODUCTION 1/16/99		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Pumping - submersible pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 2/14/99		HOURS TESTED 24		CHOKE SIZE N/A		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS. 290		CASING PRESSURE 320		CALCULATED 24-HOUR RATE		OIL - BBL. 202	
						GAS - MCF. 851	
						WATER - BBL. 1138	
						GAS - OIL RATIO 4213	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold						TEST WITNESSED BY	
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 <u>Perry McCallough</u>				TITLE <u>Sr. Production Clerk</u>		DATE <u>3/5/99</u>	
(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
Cisco-Canyon	7966'	8424'	Oil, Gas, Water		San Andres	540	
					Glorietta	2748	
					Bone Spring (top)	3705	
					2nd Bone Spring	4560	
					3rd Bone Spring	7015	
					Wolfcamp	7343	
					Cisco Canyon	7966	