

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

C/SF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐		1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐		2. NAME OF OPERATOR Santa Fe Energy Resources, Inc.		3. ADDRESS AND TELEPHONE NO. 550 W. Texas, Suite 1330, Midland, TX 79701 915/687-3551		5. LEASE DESIGNATION AND SERIAL NO. NM-81217		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME, WELL NO. Nagooltee Peak "5" Federal #3		9. API WELL NO. 30-015-29900		10. FIELD AND POOL, OR WILDCAT Indian Basin (Upper Penn) Assoc.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T-22S, R-24E		12. COUNTY OR PARISH Eddy		13. STATE NM					
15. DATE SPUDDED 11/18/97		16. DATE T.D. REACHED 12/12/97		17. DATE COMPL. (Ready to prod.) 12/30/97		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4347' GR		19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 8500'		21. PLUG, BACK T.D., MD & TVD 8427'		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)* 8014'-8346' (Upper Penn)		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN GR/DLL/CNL/LDT		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-80	48.0#	355'	17-1/2"	500 sx H & C (1" to surface)	w/ 325 sx C)
9-5/8" J-55	36.0#	1620'	12-1/4"	1000 sx H, Poz & C (1" w/	300 sx "C")
7" K-55	26.6#	8500'	8-3/4"	575 sx Super-C Mod	None

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8"	8356'	N/A

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
8014'-8346' 2 SPF w/4" csg gun (164 holes)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		8014'-8346'	8000 gals gelled 20% HCl w/80 BS.
		8216'-8346'	500 gal 20% HCl acid.
		7963'-8216'	11,500 gal 20% acid w/140 BS.

33.* PRODUCTION							
DATE FIRST PRODUCTION 12/30/97		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Submersible pump				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 12/31/97	HOURS TESTED 24	CHOKE SIZE N/A	PROD'N. FOR TEST PERIOD →	OIL - BBL. 1510	GAS - MCF. 2085	WATER - BBL. 1523	GAS - OIL RATIO 1381
FLOW. TUBING PRESS. N/A	CASING PRESSURE BHP 1368#	CALCULATED 24-HOUR RATE →	OIL - BBL. 1510	GAS - MCF. 2085	WATER - BBL. 1523	OIL GRAVITY - API (CORR.) 40.8	

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

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 [Signature] TITLE Sr. Production Clerk DATE Jan. 5, 1998

*(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 (Dolomite)	8007	8392'	Oil/Gas/Water	San Andres	1230	1230
				Glorieta	2708	2708
				Yeso	2936	2936
				Bone Spring	4902	4902
				3rd BS Sand	7225	7225
				Wolfcamp	7706	7706
				Cisco/Canyon	7950	7950