

Form 3160-4
(July 1992)

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. NM-76919	
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. Roaring Springs "14" Federal #6	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface (L), 2310' FSL & 800' FWL, Sec. 14, T-21S, R-23E At top prod. interval reported below At total depth		9. API WELL NO. 30-015-30347	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 9/20/98		16. DATE T.D. REACHED 10/7/98	
17. DATE COMPL. (Ready to prod.) 10/26/98		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3803' GR	
19. ELEV. CASINGHEAD		10. FIELD AND POOL, OR WILDCAT Dagger Draw, South (Upper Penn)	
20. TOTAL DEPTH, MD & TVD 8000'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T-21S, R-23E	
21. PLUG, BACK T.D., MD & TVD 7853'		12. COUNTY OR PARISH Eddy	
22. IF MULTIPLE COMPL., HOW MANY* N/A		13. STATE NM	
23. INTERVALS DRILLED BY →		ROTARY TOOLS All	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 7427' - 7816' (Upper Penn)		CABLE TOOLS N/A	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Platform Express CNL/Three Detector Density/NGT; Azimuthal LL MCFL/GR	
27. WAS WELL CORDED No		28. CASING RECORD (Report all strings set in well)	
Casing Size/Grade		Weight, lb./ft.	
9-5/8" J-55		36.0#	
7" K-55		26.0#	
Depth Set (MD)		Hole Size	
1207'		12-1/4"	
8000'		8-3/4"	
Top of Cement, Cementing Record		Amount Pulled	
840 sx Cl H & C (circ'd)		None	
453 sx 50/50 Poz H TOC @		None	
6280' CBL. No cmt below 7625'		Perf sqz	
holes @ 7634' & pmp 58 sx Super modified C			
29. LINER RECORD		30. TUBING RECORD	
Size		Size	
TOP (MD)		DEPTH SET (MD)	
BOTTOM (MD)		PACKER SET (MD)	
SACKS CEMENT*			
SCREEN (MD)			
N/A		2-7/8"	
7824'		N/A	
31. PERFORATION RECORD (Interval, size and number) 7427' - 7816' (280 holes) 4" csg gun		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	
		AMOUNT AND KIND OF MATERIAL USED	
		7427' - 7816'	
		18,000 gals gelled 20% HCl w/210 ball sealers.	
33.* PRODUCTION			
DATE FIRST PRODUCTION 10/26/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Submersible pump	
WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 10/29/98		HOURS TESTED 24	
CHOKE SIZE N/A		PROD'N. FOR TEST PERIOD →	
OIL - BBL. 42		GAS - MCF. 1099	
WATER - BBL. 574		GAS - OIL RATIO 26,167	
FLOW. TUBING PRESS. N/A		CASING PRESSURE 300	
CALCULATED 24-HOUR RATE →		OIL - BBL. 42	
GAS - MCF. 1099		WATER - BBL. 574	
OIL GRAVITY - API (CORR.) 42 deg			
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>Terry McCallough</u> TITLE Sr. Production Clerk		DATE 11/11/98	
* (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	7416	7854	Oil, Water, Gas	San Andres	918	
				Glorieta	2100	
				Bone Spring	3704	
				3rd Bone Spr Snd	5646	
				Wolfcamp	6570	
				Cisco Canyon	7416	