

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

458

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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 _____
MAR 20 1997 MAR 14 97

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
(N), 850' FSL & 2100' FWL, Sec. 11, T-24S, R-29E
At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____
15. DATE SPUNDED 1/21/97 16. DATE T.D. REACHED 2/1/97 17. DATE COMPL. (Ready to prod.) 3/6/97 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 2953' GR 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 8300' 21. PLUG, BACK T.D., MD & TVD 8253' 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY _____ ROTARY TOOLS A11 CABLE TOOLS N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
7958'-8016' (Bone Spring)

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
PE w/ AIT

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#	385'	17-1/2"	400 sx C1 "C" (circ'd)	None
8-5/8" J-55	32.0#	2940'	11"	950 sx 50:50 Poz & "C"	(circ'd)
5-1/2" J55/K55	15.5 & 17.0	8266'	7-7/8"	920 sx C-Lite & C1 "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"	7910'
						PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
7958'-8016' (27 holes)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		7958'-8016'	2000 gals 15% NeFe w/41 BS.
			Frac w/37,000 gals x-linked
			gel cont. 104,000# 16/30 snd
			& 24,000# resin coated snd.

33.* PRODUCTION
DATE FIRST PRODUCTION 3/6/97 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 3/10/97 HOURS TESTED 24 hrs CHOKE SIZE 17/64" PROD'N. FOR TEST PERIOD 269 OIL - BBL. 1029 GAS - MCF. 129 WATER - BBL. 129 GAS - OIL RATIO 3825
FLOW. TUBING PRESS. 1420 CASING PRESSURE 2400 CALCULATED 24-HOUR RATE 269 OIL - BBL. 1029 GAS - MCF. 129 WATER - BBL. 129 OIL GRAVITY - API (CORR.) 44.1 deg

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold - Highland Gas Corp. 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 James McCullough TITLE Sr. Production Clerk DATE 3/12/97

(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
Delaware	3080		Sandstone, Shales, some Limestone			
Cherry Canyon	3970	5519	Sandstone, Shales, some Limestone			
Brushy Canyon	5519	6768	Sandstone, Shales, some Limestone			
Bone Spring	6768		Limestone			
BS Sand	7802	8300	Sandstone, Shale, Limestone			