

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐		1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESRV. ☐ OTHER ☐	
2. NAME OF OPERATOR Santa Fe Energy Operating Partners, L.P.			
3. ADDRESS OF OPERATOR 550 W. Texas, Suite 1330, Midland, Texas 79701			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface (E), 1830' FNL and 660' FWL, Sec. 33, T-23S, R-31E At top prod. interval reported below At total depth			
14. PERMIT NO. API # 30-015-27519		DATE ISSUED SEP - 1 1993	
15. DATE SPUDDED 7-19-93	16. DATE T.D. REACHED 7-31-93	17. DATE COMPL. (Ready to prod.) 8-13-93	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3379' GR
20. TOTAL DEPTH, MD & TVD 8130'	21. PLUG, BACK T.D., MD & TVD 8082'	22. IF MULTIPLE COMPL., HOW MANY* N/A	23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7874'-7914' (Delaware)			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN ZDL/CN/GR; DLL/MLL/GR			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13-3/8"	48.0	595'	17-1/2"
8-5/8"	32.0	4161'	12-1/4"
5-1/2"	15.5 & 17.0	8130'	7-7/8"
CEMENTING RECORD			
800 sx C1 C (circ'd)			
1300 sx PSL & 500 sx "C"			
650 sx C1 "H"			
AMOUNT PULLED None None None			
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"	7775'	N/A	
31. PERFORATION RECORD (Interval, size and number) 7874'-7914' (42 holes) 4" HCCG			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
7874'-7914'		1400 gal 7 1/2% HCl. Frac'd w/ 9000 gal pre-pad, 41,000 gal 35# x-linked gel + 97,500# 16/30 Ottawa sand + 15,000#	
33. PRODUCTION DATE FIRST PRODUCTION 8-13-93 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing DATE OF TEST 8-16-93 HOURS TESTED 24 CHOKE SIZE 18/64" PROD'N. FOR TEST PERIOD OIL—BBL. 336 GAS—MCF. 439 WATER—BBL. 106 GAS-OIL RATIO 1307 FLOW. TUBING PRESS. 760 CASING PRESSURE 1050 CALCULATED 24-HOUR RATE OIL—BBL. 336 GAS—MCF. 439 WATER—BBL. 106 OIL GRAVITY-API (CORR.) 40°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented during test - sales connection pending			
35. LIST OF ATTACHMENTS C-104, Logs, Deviation Survey			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED [Signature]		TITLE Sr. Product	

*(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No Cores or DST's taken

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	430	
Salado	822	
Base Salt	3956	
Lamar	4181	
Bell Canyon	4208	
Ramsey	4229	
Cherry Canyon	5112	
Manzanito Mkr	5250	
Brushy Canyon	6374	
Bone Spring	7991	