

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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. RESER. ☐ 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 (L), 1780' FSL and 530' FWL, Sec. 17, T-23S, R-31E
At top prod. interval reported below
At total depth

14. PERMIT NO. API # 30-015-27422 DATE ISSUED
15. DATE SPUDDED 6-17-93 16. DATE T.D. REACHED 6-29-93 17. DATE COMPL. (Ready to prod.) 7-12-93 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3313' GR 19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 8000' 21. PLUG. BACK T.D., MD & TVD 7943' 22. IF MULTIPLE COMPL. HOW MANY* N/A 23. INTERVALS DRILLED BY N/A 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7782'-7838' (Delaware)
25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN Logs will be sent as soon as received
27. WAS WELL CORDED No

CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE			
13-3/8"	48	590'	17-1/2"	800 sx C1 C		None
8-5/8"	32	4050'	12-1/4"	2200 sx C1 "C" + C-Lite		None
5-1/2"	15.5 & 17	8000'	7-7/8"	1050 sx H, C-Lite, & C-Neat in 2 stages		

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8"	7684'	N/A

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
7782'-7838' (56 holes) 4" csg gun		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		7782'-7838'	1400 gal 7 1/2% HCl + 75 BS.
			Frac w/ 66,400 gals gel +
			115,000# 16/30 sand.

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
7-11-93		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-15-93	24	18/64"		319	151	148	473
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
850	650		319	151	148	40°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold - Llano, Inc. (connected 7/13/93)
35. LIST OF ATTACHMENTS C-104 (Copies of Deviation Survey and Logs will be forwarded as soon as received)
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Harry McCullough TITLE Sr. Production Clerk DATE July 19, 1993

*(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 of DST's

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Base Salt	3787	3787
Lamar	4018	4018
Bell Canyon	4044	4044
Cherry Canyon	5063	5063
Manzanita Marker	5118	5118
Brushy Canyon	6243	6243
Bone Spring	7876	7876