

(November 1983)
(formerly 9-330)

UNITED STATES

SUBMIT IN DUPLICATE

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

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SITUATIONS ON
REVERSE SIDE

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 ☐

2. NAME OF OPERATOR
Santa Fe Energy Operating Partners, L.P.

3. ADDRESS OF OPERATOR
500 W. Illinois, Suite 500, Midland, TX 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FEL, 660' FSL, Sec. 21, T-21S, R-32E
At top prod. interval reported below
At total depth

14. PERMIT NO. API # DATE ISSUED
30-025-30757

15. DATE SPUDDED 12-30-90 16. DATE T.D. REACHED 2-18-90 17. DATE COMPL. (Ready to prod.) 3-24-90 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3685.6' GR 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 14,801' 21. PLUG, BACK T.D., MD & TVD 14,606' 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY - ROTARY TOOLS All CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
14,253'-14,256' and 14,344'-14,349' (Morrow)

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL/LDT; DLL/MSFL; EPT

27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	634'	17-1/2	700 sx CL. C	None
9-5/8"	40	4620'	12-1/4	3600 sx PCL + 250 sx "C"	Neat
7"	26# & 29#	12,100'	8-1/2	1200 sx 50/50 Poz	
			6"		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	11,754'	14,798'	400 sx "H"	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	14,068'	14,068'

31. PERFORATION RECORD (Interval, size and number)
14,253'-14,256' (1-11/16", 2 JSPF)
14,344'-14,349'
Total of 18 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
14,253-14,349	3000 gal 7 1/2% Morrow acid and 36 ball sealers

33. PRODUCTION

DATE FIRST PRODUCTION 3-24-90 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST 7-26-90 HOURS TESTED 4 CHOKE SIZE var PROD'N. FOR TEST PERIOD OIL—BBL. 0 GAS—MCF. 90 WATER—BBL. 0 GAS-OIL RATIO -

FLOW. TUBING PRESS. 3500 CASING PRESSURE pkr CALCULATED 24-HOUR RATE OIL—BBL. 0 GAS—MCF. CAOF 915 WATER—BBL. 0 OIL GRAVITY-API (CORR.) -

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented during test. Shut in waiting on sales connection TEST WITNESSED BY

35. LIST OF ATTACHMENTS
C-122, Logs, C-104, Deviation Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Serry McCullough TITLE Sr. Production Clerk DATE Aug. 23, 1990

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
DST Morrow Clastics	14,132	14,234	6000' Water Cushion, Initial Flow 5½" 2580# - 2560# Initial Shut in 53" 6346 Final Flow 46" 2537# - 2574# Final Shut in 258" 6534 Initial hydrostatic 8452 Final hydrostatic 8354 Reversed out pipe Sample chamber 2.2 cfg 2100 cc mud	Rustler Base of Salt Bell Canyon Cherry Canyon Bone Spring Wolfcamp Canyon Strawn Atoka Clastics Middle Atoka Morrow Morrow Clastics Lower Morrow	1055 4330 4538 5500 8643 11,788 12,440 13,081 13,268 13,498 13,700 14,067 14,570	