

CONFIDENTIAL

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐
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 State requirements): At surface 1980' FNL, 810' FWL
At top prod. interval reported below Same
At total depth Same

FEB 29 '88

14. PERMIT NO. O.C.D. DATE ISSUED 10-3-86
ARTESIA OFFICE

15. DATE SPUDDED 7-28-86 16. DATE T.D. REACHED 9-19-86 17. DATE COMPL. (Ready to prod.) 1-9-87 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3381.7' 19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 15,050' 21. PLUG, BACK T.D., MD & TVD 14,730' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY all
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 14,206-14,228' Morrow

25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN Microlog, Borehole Comp. Sonic log, Dual Induction, Comp. Neutron-Litho Density 27. WAS WELL CORED Yes

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 +61	630	17 1/2	670 sx Cl C	None
9 5/8"	40	4183	12 1/4	2200 sx Howco Lt + 200 sx Cl C	None
7"	29	12,000	8 1/2	900 sx 50/50 poz "H"	None

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2	11,503	15,050	740		2 3/8	14,127'	14,133'
	11,494						

31. PERFORATION RECORD (Interval, size and number)
14,758-772' 51 holes CIBP
14,206-211' 67 holes 4 JSPF
14,215-228'
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
14,758-772' CIBP @ 14,740 w/10' cmt on top.
14,206-228' Acdz w/3800 gal 7 1/2% acid, frac w/5000 gal prepad, 4500 gal pad, 2000 gal carbo lite prop, 2000

33. PRODUCTION gal 1.5 ppg prop, 1300 gal prop w/1000# sc
DATE FIRST PRODUCTION 1-11-87 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flow
DATE OF TEST 1-11-87 HOURS TESTED 1 CHOKE SIZE var PROD'N. FOR TEST PERIOD 0 OIL—BBL. 0 GAS—MCF. 1021 WATER—BBL. 0 GAS-OIL RATIO --
FLOW. TUBING PRESS. 4460 CASING PRESSURE PKr. CALCULATED 24-HOUR RATE 0 OIL—BBL. 0 GAS—MCF. 1467 CAOF WATER—BBL. 0 OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY
35. LIST OF ATTACHMENTS C-122, Logs, Inclination Survey
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Billie Hood TITLE Sr. Production Clerk DATE 1-27-87

*(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	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Atoka	13,461	13,495	DST #1 - Tested by Flopetrol Johnston IH 7917 psia IF 3171-2720 psia 4 min. ISI 7997 psia 35 min. 2nd Flow 3131-3138 psia 60 min. 2nd SI 7603 psia 88 min. 3rd Flow 3885-2738 psia 37 min. 3rd SI 7234 psia 67 min. FH 7937 psia Sampler: 3.9 cu.ft. gas 680 cc formation wtr Rw=.07 @ 70°, chls=42000. 1800 psi sampler press. Recovery: 180' condensate (31 gals) 480' formation wtr (99 gals) 2000' wtr blanket (413 gals) Ran 6000' wtr blanket	Delaware Sands Bone Springs Wolfcamp Strawn Atoka Lower Atoka Morrow Lime Morrow Clastics Lower Morrow	4,205 8,019 11,510 13,202 13,315 13,640 13,982 14,328 14,904	
	13,545	13,603	DST #2 - Tested by Flopetrol Johnston IH 9355 psia IF 3549-3549 psia 4 min. ISI 7960 psia 22 min. 2nd Flow 3549-3549 psia 25 min. 2nd SI 7848 psia 56 min. 3rd Flow 3576-4107 psia 27 min. 3rd SI 7736 psia 55 min. FH 9272 psia Ran closed chamber DST. Flow rates calculated to be more than 4 MMCF/D. Sampler: 7.41 cu.ft. gas, 180 cc mud, chls=103000, 2750 psi. DP Rec: 180' drlg mud 1300' wtr blanket BHT 202°F Wtr blanket 7500' 3247 psia			
	13,550	13,603	Cored interval			