

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
RECEIVED

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 ☐ APR 29 7 51 AM '91

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ CARLS AREA HERDQUARTERS

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 (0), 330' FSL and 1980' FEL, Sec. 5, T-18S, R-33E

At top prod. interval reported below

At total depth

(Confidentiality Requested)

PERMIT NO. DATE ISSUED  
12. COUNTY OR PARISH Lea 13. STATE NM

15. DATE SPUDDED 2-9-91 16. DATE T.D. REACHED 3-10-91 17. DATE COMPL. (Ready to prod.) 4-9-91 18. ELEVATIONS (DF, BKB, RT, OB, ETC.)\* 3961.4' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11,500' 21. PLUG, BACK T.D., MD & TVD 11,320' 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS All CABLE TOOLS N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

11,178'-11,281' (Wolfcamp)

26. TYPE ELECTRIC AND OTHER LOGS RUN

LDT/CNL, DLL/MSEL

27. WAS WELL CORRED

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD                                    | AMOUNT PULLED  |
|-------------|-----------------|----------------|-----------|-----------------------------------------------------|----------------|
| 13-3/8"     | 48#             | 343'           | 17-1/2    | 400" sx C1 C (circ)                                 | None           |
| 8-5/8"      | 24#             | 3102'          | 12-1/4    | 1100 sx C (65:35:6) + 200                           | sx C (circ)    |
| 5-1/2"      | 17#             | 11,500'        | 7-7/8"    | 1st stage: 370 sx H + 500<br>2nd stage: 300 sx C1 H | sx C 65/35 POZ |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE  | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|-------|----------------|-----------------|
| N/A  |          |             |               |             | 2-7/8 | 10,990'        | 10,951'         |

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

11,365'-11,400' (4" gun) 72 holes

11,178'-11,281 (4" gun) 70 holes

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 11,365-400'         | CIBP @ 11,355' w/ 20' cmt on top |
| 11,178-281'         | 5000 gal 15% NeFe acid.          |

33.\* PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| 4-6-91                |                 | Flowing                                                              |                         |          |            |                         | Producing                          |  |
| DATE OF TEST          | HOURS TESTED    | CHOKER SIZE                                                          | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO                      |  |
| 4-22-91               | 24              | 22/64                                                                | →                       | 489      | 477        | 10                      | 975                                |  |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |                                    |  |
| 390                   | pkp             | →                                                                    | 489                     | 477      | 10         | 37.6                    |                                    |  |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

Sold - Conoco, Inc.

35. LIST OF ATTACHMENTS

Deviation Survey, Logs, Request for Confidentiality

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

SIGNED Jerry McCullough TITLE Sr. Production Clerk DATE April 25, 1991

\*(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, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION   | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                                                                                          | NAME                                                                                 | TOP                                                  |                  |
|-------------|-------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------|------------------|
|             |       |        |                                                                                                                                                                                      |                                                                                      | MEAS. DEPTH                                          | TRUE VERT. DEPTH |
| Bone Spring | 9260  | 9291   | 5-60-60-180<br>IH 4153 Rec: 1380' mud<br>IF 69-280 650' mud & water<br>ISIP 3542 518' water<br>FF 326-1221<br>FSIP 3514 MFE: 2150 cc water<br>FH 4133 @ 390 psi                      | Rustler<br>Seven Rivers<br>Queen<br>Premier<br>San Andres<br>Delaware<br>Bone Spring | 1485<br>3408<br>4207<br>4859<br>4959<br>5522<br>6787 |                  |
|             |       |        | 5-60-90-180 Rec: 1758' GCDM w/<br>IH 4840 trace oil<br>IF 956-2009 5756' water<br>ISIP 3709 MFE: 3.08 CFG<br>FF 1952-3702 550 cc oil<br>FSIP 3708 1650 cc water<br>IH 4877 @ 170 psi | 1st BS SS<br>2nd BS SS<br>3rd BS SS<br>Wolfcamp                                      | 8165<br>8789<br>9562<br>10506                        |                  |
| Wolfcamp    | 10682 | 10794  |                                                                                                                                                                                      |                                                                                      |                                                      |                  |

38. GEOLOGIC MARKERS