

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. EXCVL. ☐ Other ☐

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

3. ADDRESS OF OPERATOR  
550 W. Texas, Suite 1330, Midland, Texas 79701 O. C. D.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface (1) 1980' FSL and 660' FEL, Sec. 20, 23S, 26E  
At top prod. interval reported below  
At total depth

14. PERMIT NO. API # 30-015-26530 DATE ISSUED JUL 24 1991

5. LEASE DESIGNATION AND SERIAL NO.  
NM-69578

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Sheep Dip 20 Fed Com

9. WELL NO.  
1

10. FIELD AND POOL OR WELD NAME  
South Central Morrow and Morrow

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 20, 23S, 26E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

15. DATE SPUDDED 11-23-90 16. DATE T.D. REACHED 1-1-91 17. DATE COMPL. (Ready to prod.) 5-18-91 18. ELEVATIONS (DF, RKB, RT, GE, ETC.)\* 3367.7' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11,840' 21. PLUG, BACK T.D., MD & TVD 11,744' 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS A11 CABLE TOOLS --

24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* 11,381'-11,494' ( 51 holes ) Morrow 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN LDT/CNL; DLL/RXO; BHC 27. WAS WELL CORED No

| 28. 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#             | 617'           | 17 1/2"   | 800 sx "C" (circ to surf)    |               |
| 9-5/8"                                             | 36#             | 2660'          | 12 1/4"   | 1160 sx lite + 300 sx "C"    | None          |
| 7"                                                 | 26#             | 9275'          | 8 1/2"    | 900 sx POZ (TOC 4920' by TS) |               |

| 29. LINER RECORD |          |             |               |             | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
| 4-1/2"           | 8865'    | 11,836'     | 450 sx H      |             | 2-3/8"            | 11,317'        | 11,317'         |

| 31. PERFORATION RECORD (Interval, size and number) |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                              |
|----------------------------------------------------|--|------------------------------------------------|----------------------------------------------|
| 11,275'-11,296' (30 holes) not producing           |  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED             |
| 11,474'-11,494' (28 holes)                         |  | 11,275-296'                                    | 1000 gal 7 1/2% Morrow acid + 60 BS.         |
| 11,381'-11,428' (14 holes - NC)                    |  | 11,381-459'                                    | 1500 gal 7 1/2% MA + 23 BS.                  |
| 11,451'-11,459' (9 holes)                          |  | 11,381-494'                                    | Frac w/ 41,000 gal ALCOFOAM and 25,900# sand |

33.\* PRODUCTION  
DATE FIRST PRODUCTION 5-18-91 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

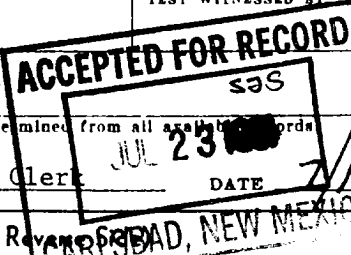
DATE OF TEST 7-1-91 HOURS TESTED 4 CHOKE SIZE var PROD'N. FOR TEST PERIOD 0 OIL--BBL. 0 GAS--MCF. 305 WATER--BBL. 0 GAS-OIL RATIO --  
FLOW. TUBING PRESS. 2190 CASING PRESSURE pkr CALCULATED 24-HOUR RATE 0 OIL--BBL. 0 GAS--MCF. MMCF CAOF = 3.630 WATER--BBL. 0 OIL GRAVITY-API (CORR.) N/A

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

35. LIST OF ATTACHMENTS  
C-104, Inclination Survey, Logs, C-122 + attach.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED [Signature] TITLE Sr. Production Clerk DATE 7/16/91

\*(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.                                                                                                                                                                                                                                                                                     |
|-----------|-------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Morrow    | 11262 | 11334  | <p>DST #1</p> <p>IHP 5893#</p> <p>FHP 5893#</p> <p>5" IFP 559-596#</p> <p>60" ISIP 5344#</p> <p>160" FFP 622-1207#</p> <p>480" FSIP 5344#</p> <p>GTS in 12" @ rate of 790 MCF/D</p> <p>DP rec: 694' water cushion</p> <p>120' GCOM.</p> <p>Sample Chamber rec: 5.34 cu.ft. gas @ 1850 psi</p> <p>BHT: 160°F</p> |

38. GEOLOGIC MARKERS

| NAME          | TOP         |                  |
|---------------|-------------|------------------|
|               | MEAS. DEPTH | TRUE VERT. DEPTH |
| Delaware      | 1830'       |                  |
| Bone Spring   | 5090'       |                  |
| Wolfcamp      | 8712'       |                  |
| Cisco         | 9474'       |                  |
| Canyon        | 10106'      |                  |
| Strawn        | 10230'      |                  |
| Atoka         | 10588'      |                  |
| Morrow        | 11065'      |                  |
| Middle Morrow | 11357'      |                  |
| Lower Morrow  | 11613'      |                  |