

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form approved.  
SUBMIT IN N. M. CONS. COMMISSION No. 1004-0137  
Expires August 31, 1985

P.O. BOX 1980

HOBBS, NEW MEXICO 88240

NM-89174

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                        |                                        |                                              |                                                     |                                  |                                       |                                                                          |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------|-----------------------------------------------------|----------------------------------|---------------------------------------|--------------------------------------------------------------------------|--------------------------------|
| 1a. TYPE OF WELL:                                                                                                                                                                                                      |                                        | OIL WELL <input checked="" type="checkbox"/> | GAS WELL <input type="checkbox"/>                   | DRY <input type="checkbox"/>     | OTHER <input type="checkbox"/>        |                                                                          |                                |
| b. TYPE OF COMPLETION:                                                                                                                                                                                                 |                                        | NEW WELL <input checked="" type="checkbox"/> | WORK OVER <input type="checkbox"/>                  | DEEP-EN <input type="checkbox"/> | PLUG BACK <input type="checkbox"/>    | DIFF. RESER. <input type="checkbox"/>                                    | Other <input type="checkbox"/> |
| 2. NAME OF OPERATOR<br>Santa Fe Energy Operating Partners, L.P.                                                                                                                                                        |                                        |                                              |                                                     |                                  |                                       | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                     |                                |
| 3. ADDRESS OF OPERATOR<br>550 W. Texas, Suite 1330, Midland, Texas 79701                                                                                                                                               |                                        |                                              |                                                     |                                  |                                       | 7. UNIT AGREEMENT NAME                                                   |                                |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface (H), 1980' FNL and 660' FEL, Sec. 6, T-24S, R-32E<br>At top prod. interval reported below<br>At total depth |                                        |                                              |                                                     |                                  |                                       | 8. FARM OR LEASE NAME<br>Zia 6 Federal                                   |                                |
| 14. PERMIT NO.<br>30-025-32505                                                                                                                                                                                         |                                        |                                              |                                                     |                                  |                                       | 9. WELL NO.<br>1                                                         |                                |
| DATE ISSUED                                                                                                                                                                                                            |                                        |                                              |                                                     |                                  |                                       | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat (Bone Spring)                  |                                |
| 12. COUNTY OR PARISH<br>Lea                                                                                                                                                                                            |                                        |                                              |                                                     |                                  |                                       | 11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA<br>Sec. 6, T-24S, R-32E |                                |
| 13. STATE<br>NM                                                                                                                                                                                                        |                                        |                                              |                                                     |                                  |                                       |                                                                          |                                |
| 15. DATE SPUDDED<br>5/20/94                                                                                                                                                                                            | 16. DATE T.D. REACHED<br>6/9/94        | 17. DATE COMPL. (Ready to prod.)<br>7/3/94   | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>3580' GR |                                  | 19. ELEV. CASINGHEAD<br>--            |                                                                          |                                |
| 20. TOTAL DEPTH, MD & TVD<br>9930'                                                                                                                                                                                     | 21. PLUG, BACK T.D., MD & TVD<br>9917' | 22. IF MULTIPLE COMPL. HOW MANY*<br>N/A      | 23. INTERVALS DRILLED BY<br>All                     | ROTARY TOOLS                     | CABLE TOOLS<br>N/A                    |                                                                          |                                |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>9690'-9706' (Bone Spring)                                                                                                             |                                        |                                              |                                                     |                                  | 25. WAS DIRECTIONAL SURVEY MADE<br>No |                                                                          |                                |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN                                                                                                                                                                                   |                                        |                                              |                                                     |                                  | 27. WAS WELL CORED<br>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              | 585'           | 17-1/2"   | 400 sx Lite + 200 sx "C" | None          |
| 8-5/8"                                             | 32              | 4550'          | 11"       | 1350 sx PSL + 200 sx "C" | None          |
| 5-1/2"                                             | 15.5 & 17.0     | 9930'          | 7-7/8"    | 550 sx Cl "H"            | None          |

| 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"            | 9516'          | 9524'           |

|                                                                                          |                                                |                                  |
|------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------|
| 31. PERFORATION RECORD (Interval, size and number)<br><br>9690'-9706' (2 SPF - 33 holes) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                  |
|                                                                                          | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED |
|                                                                                          | 9690'-9706'                                    | 1000 gal 15% NEFe acid           |
|                                                                                          |                                                | 11,000 gal gel w/ 22,573#        |
|                                                                                          |                                                | 20/40 sand                       |

| 33.* PRODUCTION                  |                        |                                                                                                     |                              |                |                  |                                                 |                       |
|----------------------------------|------------------------|-----------------------------------------------------------------------------------------------------|------------------------------|----------------|------------------|-------------------------------------------------|-----------------------|
| DATE FIRST PRODUCTION<br>6/24/94 |                        | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Pumping - 2 1/2"x1 1/2"x26' |                              |                |                  | WELL STATUS (Producing or shut-in)<br>Producing |                       |
| DATE OF TEST<br>7/6/94           | HOURS TESTED<br>24     | CHOKE SIZE<br>N/A                                                                                   | PROD'N. FOR TEST PERIOD<br>→ | OIL—BBL.<br>41 | GAS—MCF.<br>78   | WATER—BBL.<br>30                                | GAS-OIL RATIO<br>1902 |
| FLOW, TUBING PRESS.<br>N/A       | CASING PRESSURE<br>pkr | CALCULATED 24-HOUR RATE<br>→                                                                        | OIL—BBL.<br>41               | GAS—MCF.<br>78 | WATER—BBL.<br>30 | OIL GRAVITY-API (CORR.)<br>41.3°                |                       |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Vented during test - waiting on pipeline connection

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

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 7/27/94

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

38. GEOLOGIC MARKERS

| FORMATION                     | TOP                     | BOTTOM         | DESCRIPTION, CONTENTS, ETC.                         | NAME | TOP         |                  |
|-------------------------------|-------------------------|----------------|-----------------------------------------------------|------|-------------|------------------|
|                               |                         |                |                                                     |      | MEAS. DEPTH | TRUE VERT. DEPTH |
| Delaware<br>Bone Spring<br>TD | 4630'<br>8414'<br>9928' | 8514'<br>9928' | Sandstone, Siltstone, Shale<br>Sandstone, Limestone |      |             |                  |