

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL. E\*

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 63361

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Lusk 15 Fed Com

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat Bone Spring

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 15, T-19S, R-31E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

1a. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR ☐ 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 660' FSL & 660' FEL, Sec. 15, T-19S, R-31E, C.D. ARTESIA, OFFICE

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

6-17-88

15. DATE SPUDDED

7-1-88

16. DATE T.D. REACHED

7-24-88

17. DATE COMPL. (Ready to prod.)

9-24-88

18. ELEVATIONS (DF, RNB, RT, GR, ETC.)\*

3539' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

11,500'

21. PLUG, BACK T.D., MD & TVD

10,145'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

All

CABLE TOOLS

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

8934-9174' Bone Spring

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

BHC Acoustilog, Z-Densilog Neutron, Dual Laterolog

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      | 54.5            | 465            | 17 1/2    | 480 SX circ'd    | None          |
| 8 5/8       | 28.0 & 32.0     | 3,465          | 12 1/4    | 2975 SX circ'd   | None          |
| 5 1/2       | 17.0            | 11,500         | 7 7/8     | 1632 SX          | None          |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE  | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|-------|----------------|-----------------|
|      |          |             |               |             | 2 7/8 | 8885           | N/A             |

31. PERFORATION RECORD (Interval, size and number)

11,242-322' (35 holes) 1 JSPF(Plugged)  
10,253-454' (76 holes) 1 JSPF(Plugged)  
8934-9174' (29 holes) 1 JSPF  
Bone Spring

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                                            |
|---------------------|---------------------------------------------------------------------------------------------|
| 11,242-11,322       | Set CIBP @ 11,200' w/35' cmt on to                                                          |
| 10,253-10,454       | Set CIBP @ 10,180' w/35' cmt on to                                                          |
| 8,934- 9,174        | Acidz w/1500 gal 15% NEFe. Frac w/170,000# sd, 66,000# RCS & 3216 bbls x linked 1% CaCl wtr |

33.\* PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| 9-24-88               |                 | Pumping - 2 1/2 x 1 1/4 x 30 pump                                    |                         |          |            |                         | Prod                               |  |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO                      |  |
| 10-3-88               | 24              | N/A                                                                  | →                       | 97       | 97         | 69                      | 1000                               |  |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |                                    |  |
| N/A                   | 0               | →                                                                    | 97                      | 97       | 69         | 36.1                    |                                    |  |

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

Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Log, C-104, Deviation Survey

ACCEPTED FOR RECORD  
SJS

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

SIGNED

Bilmi Hood

TITLE Sr. Production Clerk

DATE 10-6-88

\*(See Instructions and Spaces for Additional Data on Reverse Side) CARLSBAD, NEW MEXICO

| 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<br>TRUE<br>VERT. DEPTH |
| Queen<br>Bone Spring<br>Wolfcamp                                                                                                                                                                                                    | 4372<br>6880<br>10354 | 4462<br>6930<br>10437 | DST #1, rec 10' drlg mud<br>DST #2, rec 2' oil & 118' mud<br>DST #3, rec 6 BO @ 45.5 deg API and<br>drlg mud. BHT 144 deg. BHP<br>5156 psig | Rustler<br>Salado Top<br>Salado Base<br>Yates<br>Queen<br>Delaware<br>Cherry Canyon<br>Marker<br>Bone Spring<br>Wolfcamp<br>Strawn | 536<br>1080<br>2154<br>2360<br>3510<br>4560<br>5144<br><br>6898<br>10150<br>11182 |                            |