

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

811 S. 1st Street
Artesia, NM 88210-2834
SUBMIT IN DUPLICATE*
(62-2834)
Instructions on
reverse side

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

C/SF

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. RESVR. <input type="checkbox"/> | Other <input type="checkbox"/> |
| 2. NAME OF OPERATOR | | | | | | 3. ADDRESS AND TELEPHONE NO. | |
| Santa Fe Energy Resources, Inc. | | | | | | 550 W. Texas, Suite 1330, Midland, TX 79701 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* | | | | | | 5. LEASE DESIGNATION AND SERIAL NO. | |
| At surface (L), 1650' FSL and 400' FWL, Sec. 11, T-24S, R-29E | | | | | | NM-88134 | |
| At top prod. interval reported below | | | | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| At total depth | | | | | | 7. AGREEMENT NAME | |
| 8. FARM OR LEASE NAME, WELL NO. | | | | | | 9. API WELL NO. | |
| H. B. "11" Fed. No. 2 | | | | | | 30-015-29248 | |
| 10. FIELD AND POOL, OR WILDCAT | | | | | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA | |
| Pierce Crossing (Bone Spring), East | | | | | | Sec. 11, T-24S, R-29E | |

| | | | | | | | | | |
|---------------------------|--|-------------------------------|--|-----------------------------------|--|---|--|----------------------|--|
| 14. PERMIT NO. | | DATE ISSUED | | 12. COUNTY OR PARISH | | 13. STATE | | | |
| | | | | Eddy | | NM | | | |
| 15. DATE SPURRED | | 16. DATE T.D. REACHED | | 17. DATE COMPL. (Ready to prod.) | | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | | 19. ELEV. CASINGHEAD | |
| 11/18/96 | | 11/30/96 | | 12/16/96 | | 2959' GR; 2975' KB | | | |
| 20. TOTAL DEPTH, MD & TVD | | 21. PLUG, BACK T.D., MD & TVD | | 22. IF MULTIPLE COMPL., HOW MANY* | | 23. INTERVALS DRILLED BY | | 24. ROTARY TOOLS | |
| 8200' | | 8097' | | N/A | | → | | All | |

| | | | |
|---|--|---------------------------------|--|
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* | | 25. WAS DIRECTIONAL SURVEY MADE | |
| 7839'-7980' (Bone Spring) | | No | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN | | 27. WAS WELL CORED | |
| DLL/MSFL/LDT/CNL/GR | | No | |

| | | | | | |
|--|-----------------|----------------|-----------|---------------------------------|---------------|
| 28. CASING RECORD (Report all strings set in well) | | | | | |
| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
| 13-3/8" H-40 | 48.0 | 386' | 17-1/2" | 400 sx Lite & C (circ'd) | None |
| 8-5/8" J-55 | 32.0 | 2953' | 11" | 800 sx POZ & C (circ'd) | None |
| 5-1/2" K55/J55 | 15.5 & 17.0 | 8196' | 7-7/8" | 850 sx Lite & H (TOC @ | 1220' (CBL) |

| | | | | | | | |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| 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" | 7699' | N/A |

| | | | |
|--|--|--|--|
| 31. PERFORATION RECORD (Interval, size and number) | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | |
| 7839'-7980' (28 holes) w/4" csg gun | | DEPTH INTERVAL (MD) | |
| | | 7839'-7980' | |
| | | AMOUNT AND KIND OF MATERIAL USED | |
| | | 1500 gals 15% NeFe acid. | |
| | | Frac w/220,000# 16/30 sand + | |
| | | 24,000# 16/30 resin sand in | |
| | | 42,630 gals gelled water. | |

| | | | | | | | |
|--|-----------------|--|-------------------------|------------|--------------|------------------------------------|-----------------|
| 33.* PRODUCTION | | | | | | | |
| DATE FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) | | | | WELL STATUS (Producing or shut-in) | |
| 12/15/96 | | Flowing | | | | Producing | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL - BBL. | GAS - MCF. | WATER - BBL. | GAS - OIL RATIO |
| 12/18/96 | 24 hrs. | 18/64" | → | 320 | 629 | 495 BLW | 1966:1 |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL - BBL. | GAS - MCF. | WATER - BBL. | OIL GRAVITY - API (CORR.) | |
| 900# | 900# | → | 320 | 629 | 495 BLW | 44.1 deg | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | | | | | | TEST WITNESSED BY | |
| Sold | | | | | | | |

| | |
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| 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 | TITLE |
| | Sr. Production Clerk |
| DATE 12/18/96 | |

*(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. | NAME | TOP | |
|----------------|------|--------|-----------------------------|---------------|-------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| Delaware | 3044 | | | Delaware | 3044 | |
| Cherry Canyon | 3928 | | | Cherry Canyon | 3928 | |
| Manzanita Mrk | 4032 | | | Manzanita Mrk | 4032 | |
| Brushy Canyon | 5486 | | | Brushy Canyon | 5486 | |
| le Spring | 6772 | | | Bone Spring | 6772 | |
| 1st BS Sand | 7801 | 7950 | Oil, Gas, and Water | 1st BS Sand | 7801 | |
| Brushy Cny Snd | 6741 | 6760 | Oil and Water | | | |

38. GEOLOGIC MARKERS