| Form  | 3160-5 |
|-------|--------|
| (June | 1990)  |

Approved by

Conditions of approval, if any:

## **UnITED STATES**

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FORM APPROVED dget Bureau No 100

| SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or resently to a different reservoir.  Use "APPLICATION FOR PERMIT " for such proposals  SUBMIT IN TRIPLICATE  1. Type of Wolf    West   Other   Other   Other   Other   | (June 1990)                      | DEPARTMENT OF TH<br>BUREAU OF LAND MA                 |  | Expires: March 31, 1993  5. Lease Designation and Serial No.   |
|--|----------------------------------|---|--|--|
| Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  Use "APPLICATION FOR PERMIT -" for such proposals  SUBMIT IN TRIPLICATE  1. Type of Well  |                                  |   |  | · ·  |
| Submit in Triplicate   To such proposals   T   | Do not use this fa-              |   |  |  |
| Type of Well   Grast   | Do not use this for              | Im for proposals to drill or to dee                   | pen or reentry to a different reserv   | voir.  |
| Symbol   S   |                                  | JSE APPLICATION FOR PERMIT -                          | for such proposals   |  |
| Second Prince   Second Princ   |                                  | SUBMIT IN TRIF  | PLICATE 15 16 ()   | 7. If Unit or CA, Agreement Designation  |
| 2. Nate of Operator Santa Fe Energy Resources, Inc.  3. Address and Telephone No. 550 W. Texas, Suite 1330, Midland, TX 79701 915/687-3551 40.015-29739  (3) . 2080' FSL and 1930' FEL, Sec. 11, T-24S, R-29E  12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION TYPE OF ACTION    Notice of Inject   Subsequent Report   Abandonment Notice   A |                                  | <u></u>   |  | · · · · · · · · · · · · · · · · · · ·  |
| Santa Fe Energy Resources, Inc.  3. Adviss and Telephone No. 550 M. Texas, Suite 1330, Midland, TX 79701 915/687-3551 10 Field and Pool, or exploratory Artis.  4. Location of Well (Foolage, Sec. T. R. M., or Survey Description)  (J), 2080° FSL and 1930° FEL, Sec. 11, T-24S, R-29E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION TYPE OF ACTION  Notice of Interest Report Report Report Report Report Printing Back Non-Routine Freshring Back Non-Routine Freshr |                                  | Other   | <u>?*</u>  | 8. Well Name and No.   |
| 3. Address and Telephone No.  550 W. Texas, Suite 1330, Midland, TX. 79701 915/687-3551 4R/F/L  4. Location of Well (Picotage, Sec. T. R. M., or survey Description)  (J), 2080' FSL and 1930' FEL, Sec. 11, T-24S, R-29E  12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  Notice of finent  Abandonment  Non-Routine Frictuiting  Plugging Back  Casing Repair  Plugging Back  Altering Casing  Conversion to Injection  Non-Routine Frictuiting  Non-Routine Fric | •                                | V. Danaumana - Tura                                   |  | ii. b. II rederal No. II   |
| 550 W. Texas, Suite 1330, Midland, TX 79701 915/687-3551  4. Document Well [Fecology, Sec. T. R. M., or Survey Description)  (J), 2080° FSL and 1930° FEL. Sec. 11, T-24S, R-29E  12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  Notice of fasest  Abandonment  Recompletion  Plugging Back Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dater, including estimated date of starting any proposed work. If well is directionally drilles give submirfice locations and measured and true vertical duplish for all markets and zones pertinent to this work.]  10/31/97: Spud 17-1/2" hole at 11:00 pp.m. Drlg.  11/01/97: TD 17-1/2" hole (Deth 353°). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353°. Lead cmt w/ 200 sx C1 "C" + 6% gel. 2% CaC12, and 1/4 pps 3-11-12. Tail w/ 200 sx C1 "C" + 2% CaC12. Disp & circ out 71 sx. woC.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  14. Ibersity certify that the foregoing is pure upg correct.  Signed Theory of the correct of the c |                                  |   | - TECEN  | 9. API Well No.  |
| 4. Location of Well (Footage, Sec. T. R. M., or survey Description)  (J), 2080' FSL and 1930' FEL, Sec. 11, T-24S, R-29E  12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION  Notice of finient  Notice of finient  Substantian Report  Pleging Back  Casing Repair  Water Same Off  Non-Routine Frotesting  Water Same Off  Altering Casing  Conversion to Injection  3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and, give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled in the substantiace locations and measured and true vertical depths for all markers and zones pertinent to this work. I'  10/31/97: Spud 17-1/2" hole at 11:00 p.m. Drlg.  11/01/97: To 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx C1 "C" + 6% gel , 2% CaCl2, and 1/4 pos Sail 1-18. Tail w/ 200 sx C1  "C" + 2% CaCl2. Disp & circ out 71 sx. woc.  (CRIG. SGD.) GARRY GOURLEY  BLM  14 I Detaily corefy that the foregoing is gue and correct  Signed The Complete Complete Complete Course and correct and control of 19 hours. Test hydril & csg to 600 psi, ok. Resumed  CORRECTION TO START GOURLEY  BLM  14 I Detaily corefy that the foregoing is gue and correct  Signed The Correct Course of the correct of th | •                                |   | ARTE   | 30-015-29739   |
| (J), 2080' FSL and 1930' FEL, Sec. 11, T-24S, R-29E    Clear Canyon (Bone Spring)   11. Country or Parish, State Eddy NM   | 4. Location of Well (Footage     | re Sec. T. R. M. or Survey Description                | 915/687-3551   |  |
| 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    Notice of them   Ahandonment   Ahandonment   Change of Plans   New Construction   N |                                  |   | 10 0 00  | Cedar Canyon   |
| CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  TYPE OF SUBMISSION  TYPE OF ACTION    Notice of Intent   | (J), 2000 FSL                    | and 1930 FEL, Sec. 11, 1-24                           | ら、R-29E  |  |
| TYPE OF SUBMISSION  TYPE OF ACTION  Notice of Intent  Abandonment  Recompletion  Non-Routine Fracturing  Conversion to Injection  Dispose Water  Non-Routine Fracturing  Conversion to Injection  Conversion to Injection  Dispose Water  Non-Routine Fracturing  Conversion to Injection  Injection  Conversion to Injection  Dispose Water  Non-Routine Fracturing  Conversion to Injection  Injection  Conversion to Injection  Injection  Conversion to Injection  Dispose Water  Non-Routine Fracturing  Conversion to Injection  Injection  Injection  Conversion to Injection  Injection  Conversion to Injection  Injection  Conversion to Injection  Injection  Injection  Conversion to Injection  Injection  Injection  Injection  Conversion to Injection  Injection  Conversion to Injection  Injection  Injection  Conversion to Injection  Injection  Injec |                                  |   | A transfer of the second of th | 4  |
| TYPE OF SUBMISSION    Notice of Intent   | OUTOK                            |   |  |  |
| Notice of Intent   | 12. CHECK A                      | APPROPRIATE BOX(s) TO INC                             | CATE NATURE OF NOTICE, RE  | EPORT, OR OTHER DATA   |
| Subsequent Report   Recompletion   New Construction   Conversion to Injection   Injection   Spud & set casing   Conversion to Injection   Non-Routine Fracturing   | TYPE OF S                        | UBMISSION   | TYPE OF  | ACTION   |
| Recompletion   New Construction   New Construction   Plugging Back   Non-Routine Freturing   Water Shut-Off   Casing Repair   Water Shut-Off   Water Shut-Off   Conversion to Injection   Dispose Water   Conversion to Injection   Other   Spud & set Casing   Dispose Water   Conversion to Injection   Dispose Water   Conversion to Injection   Other   Spud & set Casing   Dispose Water   Conversion Report multis of multiple completion or Recognition or Reco   | Notice of                        | of Intent   | Abandonment  | Change of Plans  |
| Plugging Back    Subsequent Report   Plugging Back   Casing Repair   Water Shut-Off  |                                  |   | Recompletion   |  |
| Casing Repair   Water Shut-Off   Conversion to Injection   Conversion to Injection   Other   Spud & set casing   Student     | X Subsequ                        | ent Report  | Plugging Back  | <del></del>  |
| Altering Casing Other Spud & set Casing Other Hold & starting any proposed work. If well is directionally drilled Other Spud & set Casing Other Spud & |                                  |   |  |  |
| Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled to this work.)*  10/31/97: Spud 17-1/2" hole at 11:00 p.m. Drlg.  11/01/97: TD 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx Cl "C" + 6% gel. 2% CaCl2, and 1/4 pps 3allottes. Tail w/ 200 sx Cl "C" + 2% CaCl2. Disp & circ out 71 sx. woc.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Liereby certify that the foregoing is true and correct.  Signed The Start of maltiple completion on Well on Well and the starting any proposed work. If well is directionally drilled to this work.)*  Completed Operations (New Indicate of Starting any proposed work. If well is directionally drilled to this work.)*  10/31/97: Spud 17-1/2" hole at 11:00 p.m. Drlg.  11/01/97: TD 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx Cl "C" + 6% gel. 2% CaCl2, and 1/4 pps 3allottes. Tail w/ 200 sx Cl "C" + 2% CaCl2. Disp & circ out 71 sx. woc.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Liereby certify that the foregoing is true and correct.  Signed The Start of malting completion Report and Log form.)  Date Nov. 4, 1997  | Final Al                         | bandonment Notice                                     |  | Ħ  |
| (Note: Report results of multiple completion and Wall Completions (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*  10/31/97: Spud 17-1/2" hole at 11:00 p.m. Drlg.  11/01/97: TD 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx Cl "C" + 6% gel. 2% CaCl2, and 1/4 pps California. Tail w/ 200 sx Cl "C" + 2% CaCl2. Disp & circ out 71 sx. wOC.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Lhereby certify that the foregoing is true and correct.  Signed The Court of the completion of t |                                  |   |  |  |
| 3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled substance locations and measured and true vertical depths for all markers and zones pertinent to this work.)*  10/31/97: Spud 17-1/2" hole at 11:00 p.m. Drlg.  11/01/97: TD 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx Cl "C" + 6% gel. 2% CaCl2, and 1/4 pps Calibria s. Tail w/ 200 sx Cl "C" + 2% CaCl2. Disp & circ out 71 sx. woC.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Lhereby certify that the foregoing is true and correct.  Signed That Work and Calibria structured to the completed point of the completed points and some pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled to the completed pertinent dates, and give pertinent dates, and give pertinent dates, and give pertinent details, and give pertinent details, and give pertinent to this work.)*  (CRIG. SGD.) GARY GOURLEY  BLM  14. Lhereby certify that the foregoing is true and correct.  Signed That Work 4, 1997   |                                  |   | A Other Spud & set ca  | (Note: Report results of multiple completion on Well   |
| 10/31/97: Spud 17-1/2" hole at 11:00 p.m. Drlg.  11/01/97: TD 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx Cl "C" + 6% gel, 2% CaCl2, and 1/4 pps Cellottle . Tail w/ 200 sx Cl "C" + 2% CaCl2. Disp & circ out 71 sx. WOC.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Lhereby certify that the foregoing is the angle correct Signed That Wo Children Title Sr. Production Clerk  Date Nov. 4, 1997  | 13. Describe Proposed or Comp    | eleted Operations (Clearly state all pertinent detail | ils, and give pertinent dates, including estimated de  | Completion or Recompletion Report and Log form.)  ate of starting any proposed work. If well is directionally drilled  |
| 11/01/97: TD 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx Cl "C" + 6% gel. 2% CaCl2, and 1/4 pps Callottes. Tail w/ 200 sx Cl "C" + 2% CaCl2. Disp & circ out 71 sx. WOC.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Lhereby certify that the foregoing is the and correct Signed Signed Signed Signed Signed Signed State and correct Signed Si | give substituce foc              | eations and measured and true vertical depths for     | all markers and zones pertinent to this work.)*  | 5 7 1 1 was seen to another strategy difficulty  |
| 11/01/97: TD 17-1/2" hole (Depth 353'). RU csg crew and ran 8 jts 13-3/8" 48.0# H-40 ST&C casing, set shoe at 353'. Lead cmt w/ 200 sx Cl "C" + 6% gel, 2% CaCl2, and 1/4 pps Callottes. Tail w/ 200 sx Cl "C" + 2% CaCl2. Disp & circ out 71 sx. wOC.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Thereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997  | 10/31/97: Spud                   | 17-1/2" hole at 11:00 p.m.                            | Drlg.  |  |
| "C" + 2% CaCl2. Disp & circ out 71 sx. WOC.  11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Lhereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997   |                                  |   | -  |  |
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| 11/02/97: WOC. Cut csg off and weld on head. NU stack. Test blind rams, choke manifold, and csg to 600 psi, ok. PU bit & BHA, TIH. WOC total of 19 hours. Test hydril & csg to 600 psi, ok. Resumed drilling operations.  (CRIG. SGD.) GARY GOURLEY  BLM  14. Lhereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997  | Silve at 333 . [                 | _ead cmt w/ 200 sx C1 "C" + 6                         | $p_{\rm A}^{\rm w}$ gel. 2% CaCl2, and 1/4 pps   | Calloffaia. Tail w/ 200 sx Cl  |
| (CRIG. SGD.) GARY GOURLEY  BLM  14. Thereby certify that the foregoing is true and correct Signed Taxas M.C. and Courted Title Sr. Production Clerk  Date Nov. 4, 1997   | "C" + 2% CaC12.                  | Disp & circ out 71 sx. WOO                            | •  |  |
| (CRIG. SGD.) GARY GOURLEY  BLM  14. Thereby certify that the foregoing is true and correct Signed Taxas M.C. and Courted Title Sr. Production Clerk  Date Nov. 4, 1997   | 11 (00 (07 ) 100                 |   |  |  |
| (CRIG. SGD.) GARY GOURLEY  BLM  14. Thereby certify that the foregoing is true and correct Signed Taxas M.C. and Courted Title Sr. Production Clerk  Date Nov. 4, 1997   | 11/02/9/: WOC.                   | Cut csg off and weld on hea                           | d. NU stack. Test blind ram  | s, choke manifold, and csg to  |
| (CRIG. SGD.) GARY GOURLEY  BLM  14. Thereby certify that the foregoing is true and correct Signed Tritle Sr. Production Clerk  Date Nov. 4, 1997   | out psi, ok. Pt                  | DIT & BHA, IIH. WUC total                             | of 19 hours. Test hydril & c   | sg to 600 psi, ok. Resumed   |
| 14. Thereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997  | uniting operati                  | ons.  |  |  |
| 14. Thereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997  |                                  |   |  | property and the second second   |
| 14. Thereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997  |                                  |   |  |  |
| 14. Thereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997  |                                  |   |  |  |
| 14. Thereby certify that the foregoing is true and correct Signed Title Sr. Production Clerk  Date Nov. 4, 1997  |                                  |   |  | , 19 <b>07</b>   |
| 14. Thereby certify that the foregoing is true and correct Signed Tritle Sr. Production Clerk  Date Nov. 4, 1997   |                                  |   | (CRIG. SGD.) GARY GOU  | RLEY   |
| 14. Thereby certify that the foregoing is true and correct Signed Joseph Cultural Title Sr. Production Clerk  Date Nov. 4, 1997  |                                  |   |  | transport of the second of the |
| Signed Title Sr. Production Clerk Date Nov. 4, 1997  |                                  |   |  | BLM  |
| Signed Title Sr. Production Clerk Date Nov. 4, 1997  | 14. I hereby certify that the fo | pregoing is true and correct                          |  |  |
| Date   | ~                                | - Wiccullough TI                                      | us Sr. Production Clerk  | D. Nov 4 1997  |
|  | (This space for Federal or       | ·   |  | Date 1, 1777   |

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.

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## PS :01 A 01 VON FF?!

BOSMETT CERICE