

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED

OMB NO. 1004-0135

Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

LC-029512-C

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Sinagua 18 2

Fed-Gem

9. API Well No.

30-025-32694

10. Field and Pool, or Exploratory Area

Wildcat (Delaware)

11. County or Parish, State

Lea Co., NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Santa Fe Snyder Corp.

3a. Address

550 W. Texas, Suite 1330, Midland, TX 79701

3b. Phone No. (include area code)

915/686-6612

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surf Location: (J), 2041' FSL & 2171' FEL, Sec. 18, T20S, R-34E

Bottom Hole: (P), 1300' FSL & 1300' FEL, Sec. 18, T20S, R-34E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☒ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other

13. Describe Proposed or Coompleted Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Santa Fe Snyder Corp. intends to plug back the Bone Spring interval by setting a CIBP at 9450' and placing 20' of cement on top. The Delaware formation will then be perforated from 5670' to 7786'. The Delaware formation will then be acidized, fracture treated, and tested per the attached procedure.

Approved For Temporary Abandonment Of Bone Spring Interval. A Minimum Of 35 Feet Of Cement On Top Of CIBP At 9450 Feet Will be Required For Permanent Abandonment Of Bone Spring Interval.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Terry McCullough

Title

Sr. Production Clerk

Date

March 14, 2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) DAVID R. GLASS

PETROLEUM ENGINEER

Date

MAR 16 2000

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

SANTA FE SNYDER CORPORATION
MIDLAND CENTRAL DIVISION
DELAWARE COMPLETION PROCEDURE
SINAGUA 18 FEDERAL #2

DATE: February 17, 2000

LOCATION: Sec. 18, 20S, 34E
2041' FSL & 2171' FEL
Lea County, New Mexico

FIELD: Teas

LSE/UNIT: Sinagua 18 Federal

WELL NO.: 2

OBJECTIVE: To plug back and complete the Delaware.

TOTAL DEPTH: 13,925 **PBTD:** 12,550'

K.B. 3644.5' **G.L.** 3626'

PERFORATIONS: 9462'-9484', 9493'-9506'

Casing: 20" 94# H-40 @ 468', cmt'd w/700 sx
13 3/8" 68# K-55 @ 3,265', cmt'd w/2,650 sx
8 5/8" 32# K-55 @ 5,140', cmt'd w/1,000 sx
5 1/2" 17# N-80 @ 13,925', cmt'd w/1,800 sx DV Tool @ 9,835'

TUBING DETAIL: 2 7/8" 6.5# N-80 **Rods:** 193-34", 94-7/8", 81-1"

CURRENT STATUS: Well is shutin

PROCEDURE: P&A Bone Spring and complete Delaware
5670'- 5680', 5696'- 5706', 6664'- 6678', 7770'- 7786'

1. RU workover unit. TOH w/rods & pump. NU BOP, release TAC & TOH w/tbg.
2. MIRU wireline company and set CIBP @ 9450' & cap w 20' cmt. GIH w/ hollow carrier gun and tie into Schlumberger's Compensated Neutron, Litho-Density Gamma Ray log dated 12/13/94. Perforate 5" csg 5670'- 5680', 5696'- 5706', 6664'- 6678', 7770'- 7786' w/2 deep penetrating JHPF, 120 degree phasing. RDMO wireline company.
3. TIH w/trtg Pkr and RBP on 2 7/8" N-80 tbg and set RBP @ +/- 7850' and test. PUH and leave pkr swinging with EOT @ 7786'.
4. MIRU acid treating company and acid wash tbg w/300 gals of 15% NEFE HCL and reverse out. Spot 150 gals of 15% NEFE HCL across perms 7770'- 7786' and above. PUH and set pkr @ +/- 7550'. Break down perms w/spot acid. Treat perms w/2200 gals of 15 % NEFE HCL @ a rate of 2-3 BPM dropping 1 - 1.3 RCN ball sealer every bbl of acid. Maximum pressure 5000 psi. If ballout occurs surge off balls and continue treatment. Flush to bottom perf plus 2 bbls w/2% KCL wtr. RDMO acid company.
5. Flow/swab back acid residue and test.
6. If testing indicates frac treatment is needed proceed otherwise go to step 8. MIRU frac treating company and frac treat perms. Size of frac will be determined from results of swab testing. RDMO frac company.
7. Flow/swab back frac residue and test interval.
8. Kill well if necessary. Release pkr circulate out frac sand, RCN ball sealers and release RBP.
9. PUH and set RBP @ 6750' and test. Leave pkr swinging w/EOT @ +/- 6678'.
10. MIRU acid treating company spot 150 gals of 15% NEFE HCL across perms 6664'- 6678' and above. PUH and set pkr @ +/- 6450'. Break down perms w/spot acid. Treat perms w/2000 gals of 15 % NEFE HCL @ a rate of 2-3 BPM dropping 1 - 1.3 RCN ball sealer every bbl of acid. Maximum pressure 5000 psi. If ballout occurs surge off balls and continue treatment. Flush to bottom perf plus 2 bbls w/2% KCL wtr. RDMO acid company.
11. Flow/swab back acid residue and test.
12. If testing indicates frac treatment is needed proceed otherwise go to step 14. MIRU frac treating company and frac treat perms. Size of frac will be determined from results of swab testing. RDMO frac company.
13. Flow/swab back frac residue and test interval.
14. Kill well if necessary. Release pkr circulate out frac sand, RCN ball sealers and release RBP.
15. PUH and set RBP @ 5800' and test. Leave pkr swinging w/EOT @ +/- 5706'.

16. MIRU acid treating company spot 200 gals of 15% NEFE HCL across perfs 5670' - 5706' and above. PUH and set pkr @ +/- 5450'. Break down perfs w/spot acid. Treat perfs 5670' - 5680', 5696' - 5706' w/2800 gals of 15 % NEFE HCL @ a rate of 2-3 BPM dropping 1 - 1.3 RCN ball sealer every bbl of acid. Maximum pressure 5000 psi. If ballout occurs surge off balls and continue treatment. Flush to bottom perf plus 2 bbls w/2% KCL wtr. RDMO acid company.
17. Flow/swab back acid residue and test.
18. If testing indicates frac treatment is needed proceed otherwise go to step 20. MIRU frac treating company and frac treat perfs. Size of frac will be determined from results of swab testing. RDMO frac company.
19. Flow/swab back frac residue and test interval.
20. Kill well if necessary. Release pkr circulate out frac sand, RCN ball sealers and release RBP. TOH w/tbg, pkr and RBP.
21. MI production facilities and pumping equipment and place well on production.

MSV

02/17/2000

RECEIVED
100 MAR 15 A 10:23
U.S. DEPT. OF JUSTICE
ROSNELL OFFICE