Form 3160-5
(August 1999)

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
NM-94186

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Thistle Unit No. 2

2. Name of Operator
Santa Fe Snyder Corp.

9. API Well No.
30-025-33424

3a. Address
550 W. Texas, Suite 1330, Midland, TX 79701

3b. Phone No. *(include area code)*
(915)-686-6612

10. Field and Pool, or Exploratory Area
Wildcat Atoka

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
(E), 1980' FNL & 660' FWL, Sec. 28, T-23S, R-33E

11. County or Parish, State
Lea NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Coommpleted 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 recomplete 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 recompletion 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.)

It is planned to drill out the CIBP set at 14,230', clean out wellbore to a depth of 15,450' and perforate the Atoka formation 14,499'-14,756' (20 holes).

See attached workover procedure.

Send plat C-102 to NMOCD for Atoka formation! CW

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.) ALEXIS C. SWOBODA

Title PETROLEUM ENGINEER

Date MAR 15 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 CORP.
MIDLAND CENTRAL DIVISION
COMPLETE ATOKA
THISTLE UNIT #2

DATE: January 19, 2000

LOCATION: Sec. 28, 23S, 33E
1980' FNL & 660' FWL
Lea County, New Mexico

FIELD: Wildcat

LSE/UNIT: Thistle Unit

WELL NO.: No. 2

OBJECTIVE: Complete Atoka

WELL DATA:

Reference elevation: KB 3711' GL 3686'

Casing:
13 3/8" 48# H-40 STC @ 605', cmt'd w/600 sx
9 5/8" 40# S-95 & J-55 LTC @ 5011', cmt'd w/1500 sx
7" 26.6# S-95 LTC @ 12602', TOC @ 7350' by TS
4 1/2" 13.5# S-95 liner @ 15850', TOL @ 12207'
cmt'd w/426 sx

TD: 15860'

TUBING DETAIL: 2 3/8" 4.7# P-110.

NOTE: 4.5" 13.5# liner has a drift of 3.795" and an ID of 3.92".
Casing volume = 0.6269 gal/ft.

PROCEDURE:

1. Notify Terry McCullough of workover.

2. MIRU pressure testing company and set pressure bombs in SN prior to opening up well for flow period. Open well and flow and MIRU swab unit and swab well to SN or 8 hrs. RDMO swab unit. Allow well to build up for 48 hrs. POH w/pressure bombs.

3. MIRU workover unit and BOP. Release pkr and POH w/tbg and pkr. Redress pkr.

4. MIRU reverse unit and TIH w/BHA on 2 3/8" tbg, testing tbg in hole. Drill-out CIBP at 14,230'. Circ out possible gas bubble. Clean out to 35' cmt cap on CIBP @ 15,450'. Circ hole w/10 lb brine. TOH lying down BHA.

5. TIH w/pkr on tbg and set @ +/- 15,300' and pressure test CIBP @ 15,450' to 4,000 psi. If plug leaks TOH w/tbg & pkr and MIRU wireline company and set CIBP @ +/- 15,300' and cap w/2 sx cmt.

6. GIH w/casing gun loaded w/32 gram charges and perforate 1 JHPF @ 14,756', 14,748', 14,740', 14,732', 14,727', 14,717', 14,710', 14,701', 14,691', 14,671', 14,653', 14,647', 14,642', 14,603', 14,597', 14,591', 14,582', 14,575', 14,561', 14,499' (total of 20 holes). Get on depth using Halliburton Spectral Density Dual Spaced Neutron log dated 08/07/96. RDMO wireline company.

7. GIH w/RBP (w/ball catcher) & pkr on tbg. Set RBP @ 14,800'.

8. PUH & leave pkr swinging with EOT @ 14,756'

9. MIRU acid treating company and spot acid across perfs 14,756' to 14,642'. PUH and set pkr @ 14,615'. Break down perfs and acidize w/3,300 gals of 15 % HCL and 21 - 7/8" - 1.3 sg RCNBS. Drop 1 RCNBS every 150 gals of acid. If ballout occurs surge off balls and continue treatment. Flush to bottom perf w/2 % KCL water and overflush by 2 bbls.

10. Release pkr and latch on to RBP. PUH and set RBP @ 14,620' and test. Leave pkr swinging with EOT @ 14,603'.

11. Spot acid across perfs 14,603' to 14,499'. PUH and set pkr @ 14,450'. Break down perfs and acidize w/1,800 gals of 15% HCL and 11 - 7/8" - 1.3 sg RCNBS. Drop 1 RCNBS every 150 gals of acid. If ballout occurs surge off balls and continue treatment. Flush to bottom perf w/2 % KCL water and overflush by 2 bbls.

12. Release pkr and latch on to RBP. PUH and set RBP @ 14,470' and test. Leave pkr swinging with EOT @ 14,438'.

13. Spot acid across perfs 14,438' to 14,424'. PUH and set pkr @ 14,374'. Break down perfs and acidize w/1,100 gals of 15% HCL and 21 - 7/8" - 1.3 sg RCNBS. Drop 1 RCNBS every 50 gals of acid. If ballout occurs surge off balls and continue treatment. Flush to bottom perf w/2 % KCL water and overflush by 2 bbls. RDMO acid treating company.

14. Release pkr and latch onto RBP. Lower RBP and set @ 14,800'. PUH and set pkr @ 14,438'.

15. Swab/flow back load and test.

16. Release pkr and recover RBP. POH laying down RBP, pkr, and tbg.

17. GIH w/WL re-entry guide, 10'x 2 3/8" pup joint, 1.781" "F" profile nipple, 10' pup jt, 4.5" 13.5# UNI VI 10K pkr, XL on-off tool w/ 1.812 "F" profile nipple, 32 jts 2 3/8" P-105 tbg (make sure sufficient 2 3/8" tbg is ran to clear top of liner @ 12,207'), 3 ½" workstring to surface. GIH to +/- 13,170'. Set pkr w/25,000# compression.

18. MIRU acid treating company and acid frac perfs 14,424' - 14,756' with 34,000 gals 20% Xlinled HCL using 7/8" 1.3 sg RCNBS and Graded Rock Salt (GRS) as block. Treat at a rate of 20 BPM and a max press of 8000 psi. Treat as follows

    a) Pump 6800 gals 20% X-Linked acid.

    b) Drop 10 RCNBS and 300 lbs GRS in 1000 gals of gelled 10 lb brine.

    c) Pump 6800 gals 20% X-Linked acid.

    d) Drop 10 RCNBS and 400 lbs GRS in 1000 Gals of gelled 10 lb brine

    e) Pump 6800 gals 20% X-Linked acid.

    f) Drop 10 RCNBS and adjust size of GRS based on response of 2 prior blocks.

    g) Pump 6800 gals 2% X-Linked acid.

    h) Flush to bottom perf w/2% KCL water.

    RDMO acid treating company.

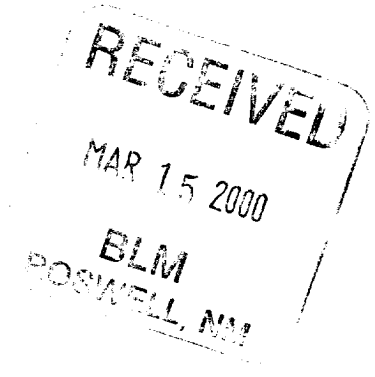
19. Swab/flow back load.

20. MIRU slickline company and set plug in "F" nipple.

21. Release on-off tool and POH laying down 3 ½" workstring.

22. GIH W/on-off tool, 1 jt 2 3/8" tbg, SN and 2 3/8" P-110 4.7# tbg string. Return well to production.

MSV
01/19/2000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MAR 15 2000
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