

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
720 S. Colo. Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 900'FSL, 900'FWL, Unit M
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☒
(other)

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
SF-078062

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Canyon

9. WELL NO.
4

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5; T25N; R11W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5856'KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1/24/80

Tenneco Oil Company plans to plug and abandon the Canyon 4 by using the procedure outlined on the attached form.

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED Charles M. Anderson TITLE Admin. Supervisor DATE 1/24/80

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED

NMOCC

*See Instructions on Reverse Side

FEB 13 1980
JAMES F. SIMS
DISTRICT OIL & GAS SUPERVISOR

FEDERAL SURFACE

Attachment to Notice of
Intention to Abandon

U. S. GEOLOGICAL SURVEY
P. O. Box 959
Farmington, New Mexico 87401

Re: Permanent Abandonment

Well: No. 4 Canyon

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases".
2. The Farmington office (telephone (505) 325-4572) is to be notified in sufficient time for a representative to witness all plugging operations.
3. Blowout prevention equipment is required.
4. In addition to normal filling of pits and cleanup of location, additional surface restoration work may be required, i.e. ripping of pad and/or access road, reseeding, etc. We have asked the Bureau of Land Management for the surface restoration requirements for this well and we should be able to furnish you these requirements within 30 days. After plugging the well and before making final clean-up, you should contact this office unless you have already been advised as to what additional surface restoration work is required.
5. The surface management agency is to be notified when surface rehabilitation is complete.
6. The following modifications to your plugging program are to be made (when applicable): The plug proposed over the interval from 1200' to 1450' is to be moved up hole 30' to insure that the coal is covered by 50' of cement. A plug from 1170' to 1430' is approved.

Office Hours: 8:00 A.M. to 5:00 P.M.
Farmington Personnel to be notified:

Home Telephones:

Ray Swanson: Petroleum Engineering Technician - 325-8189
Fred Edwards: Petroleum Engineering Technician - 325-7885
Ken Baker: Petroleum Engineering Technician - 327-2170

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL LEASES
FARMINGTON DISTRICT

1. Secure prior approval before changing the approved plugging program.
2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs.
3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations.
4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 25 sacks or 100 feet in length, whichever is greater.
5. Any cement plug placed when well is not full of fluid, or when well may be taking fluid, will be touched after cement has set to verify proper location.
6. Mud must be placed between plugs. Minimum consistency of plugging mud must be that obtained by mixing at the rate of 25 sacks of gel per 100 barrels of water. Brine is to be utilized for mixing mud where possible.
7. Within 15 days after plugging work is completed, file Subsequent Report of Abandonment, form 9-331, in quintuplicate with District Engineer, U.S.G.S., P. O. Box 959, Farmington, New Mexico 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.
8. All permanently abandoned wells are to be marked with a permanent monument, on which has been stenciled or beaded the well name, well number, and well location by quarter-quarter, section, township, and range. The monument is to be of steel pipe, not less than four inches in diameter, cemented permanently in the ground, and extending four feet above general ground level. The top should be closed with a screw cap, welding, or a cement plug.
9. After plugging work is completed:
 - a. Fill all pits, rat hole and cellar.
 - b. Clean well location of all equipment, concrete bases, pipe, junk and trash.
 - c. Cut or remove tie downs.
 - d. If last well on lease, and no additional drilling is contemplated, fill tank battery pits, remove battery equipment, and clean and level battery location.
 - e. Accomplish surface restoration as specified by the surface management agency or land owner.

All above are minimum requirements. The Subsequent Report of Abandonment will not be approved and the period of liability under the bond of record terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

LEASE Canyon

WELL NO. #4

8-5/8" OD, 24 LB, K-55 CSG.W/ 350 SX
TOC @ Surface

627'

5-1/2" OD, 15.5 LB, K-55 CSG.W/ 765 SX

TOC @ Est 819 1st stage 340 sx cl A
100 sx latex
2nd stage 325 sx cmt.

DETAILED PROCEDURE

- 1) MIRUSU. Kill well w/ water
- 2) NDBH, NUBOP
- 3) POOH w/tbg. PU cmt retainer.
- 4) RIH w/cmt retainer & set it @5690'. Squeeze Dakota w/100 sx class B + 1% latex.
- 5) POOH laying down tbg & spot the following cmt plugs w/class B neat cmt:

ZONE	DEPTH	CMT
Top of Retainer	5690'	10 sx
Gallup	4700-5100	45 sx
PLO	3650-4000	40 sx
CH	2000-2700	80 sx
PC	1200-1450	30 sx
OJO Alamo	0-600	65 sx
- 6) NDBOP. C6 - 100 sg w/ water
- 7) Install drv hole marker.
- 8) Clean, grade & reseed location.

DV TOOL
@ 2294

2-7/8" tbg
@5691'

5800'

5808
2 JSPF

5856'

5890'

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.