

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Budget Bureau No. 42-R142
5. LEASE DESIGNATION AND SERIAL NO.

NM-7951

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT" for such proposals.)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Leonard Federal

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

Leonard Queen South

11. SEC., T., R., N., OR BLK. AND
SURVEY OR AREA

Sec. 14, T26S, R37E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

720 So. Colorado Blvd., Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

660' FSL and 1980' FW, Unit N

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

2989.6' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting at
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones per-
tinent to this work.)*

2/25 - 3/8/78 Drilled 7-7/8" hole to 3671'. Set and cemented 83 joints of 5-1/2" casing at 3671' with 930 sacks of Howcolite cement. Tailed in with 200 sacks of Class "C" cement. Will test cement when completion unit arrives.

RECEIVED
May 13 1978
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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

SIGNED

D. R. Myers

TITLE: Div. Production Manager

DATE 3-9-78

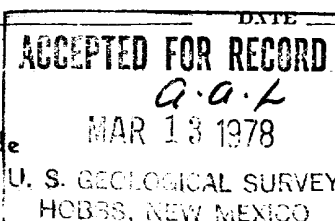
(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

*See Instructions on Reverse Side



RECEIVED

MAR 14 1978

OIL CONSERVATION COMM.
DOBBS, N. M.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒CAR WELL ☐

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☐

2. NAME OF OPERATOR

TENNECO OIL COMPANY

3. ADDRESS OF OPERATOR

720 So. Colorado Blvd., Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FSL and 1980' FWL

Unit N

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

See Point 1:b of Surface Use Plan

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

2989.6' GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	+ 500'	Suff. to circulate to surface.
7-7/8"	5-1/2"	15.5#	+4000'	Suff. to circulate back up into surface casing.

6. LEASE DESIGNATION AND SERIAL NO.

NM-7951

7. IF INDIAN, ALLOTTEE OR TRUST NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Leonard Federal

9. WELL NO

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10. FIELD AND POOL OR WILDCAT

Leonard Queen, South

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Sec 14, T26S, R37E

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TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

2989.6' GL

22. APPROX. DATE WORK WILL START

February 1, 1978

1. The geologic name of this surface formation is the Ogallala Lime (Miocene).

2&3. Formation Tops (Estimated)

Salado	+ 1155'	Salt
Yates	+ 2700'	Possible oil or gas producer
7 Rivers	+ 2700'	Possible oil or gas producer
Queen	+ 3425'	Oil and gas
Penrose	+ 3540'	Oil and gas

4. Run 8-5/8" OD, K-55 new casing to +500' and circulate cement to surface. Run 5 1/2" OD, 15.5#, K-55 new casing to T. D. and cement with a sufficient amount to circulate up into surface casing in two stages. Casinghead will be a 10" 900 series w/a 3000 psi rating.

5. Blowout preventors: Hydraulic, double ram, 10". One set of rams will be provided for each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2" with variable choke. BOP's will be installed, tested and in working order before drilling below surface casing and shall be maintained ready for use until drilling operations are completed. BOP's; drills, and tests will be recorded in the drillers logs.

6. We will use; spud mud = 0-+500'. (8.5 - 9.0 lb. per gallon) Brine gel = 500'-TD. (9.0 - 10.0 lb. per gallon)

7. Auxiliary Equipment

a. Kelly cock will be in use at all times.

b. Stabbing valve to fit drill pipe will be present on floor at all times.

c. Mud monitoring will be visual, no abnormal pressures are anticipated in this area.

d. Floats at bits.

e. Drill string safety valve (s) to fit all pipe in the drill string will be maintained on the rig floor while drilling operations are in progress.

8. This well will be pump tested after recovery of any load oil or water. No cores will be taken. DLL-GR, CNL-FDC-GR caliper, and BHC Sonic logs will be taken. Any other evaluation that may be necessary during the drilling of this well will be conducted as needed.

9. No abnormal pressures or temperatures are anticipated. See point #5 for blowout prevention equipment.

10. The drilling of this well will take approximately eight days. The gas (is, isxxxxx) dedicated to El Paso Natural Gas Company.

11. Your office (Telephone 505/393-3612) will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

SEE ATTACHED FOR

CONDITIONS OF APPROVAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present well, zone, and depth of proposed well. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

A. D. Myers

TITLE Div. Production Manager

DATE

1-10-78

(Leave space for Federal or State office use)

PERMIT NO.

Unless Drilling Operations have

Commenced, this drilling approval

APPROVAL DATE

Expires

5-1-78

APPROVED BY

TITLE

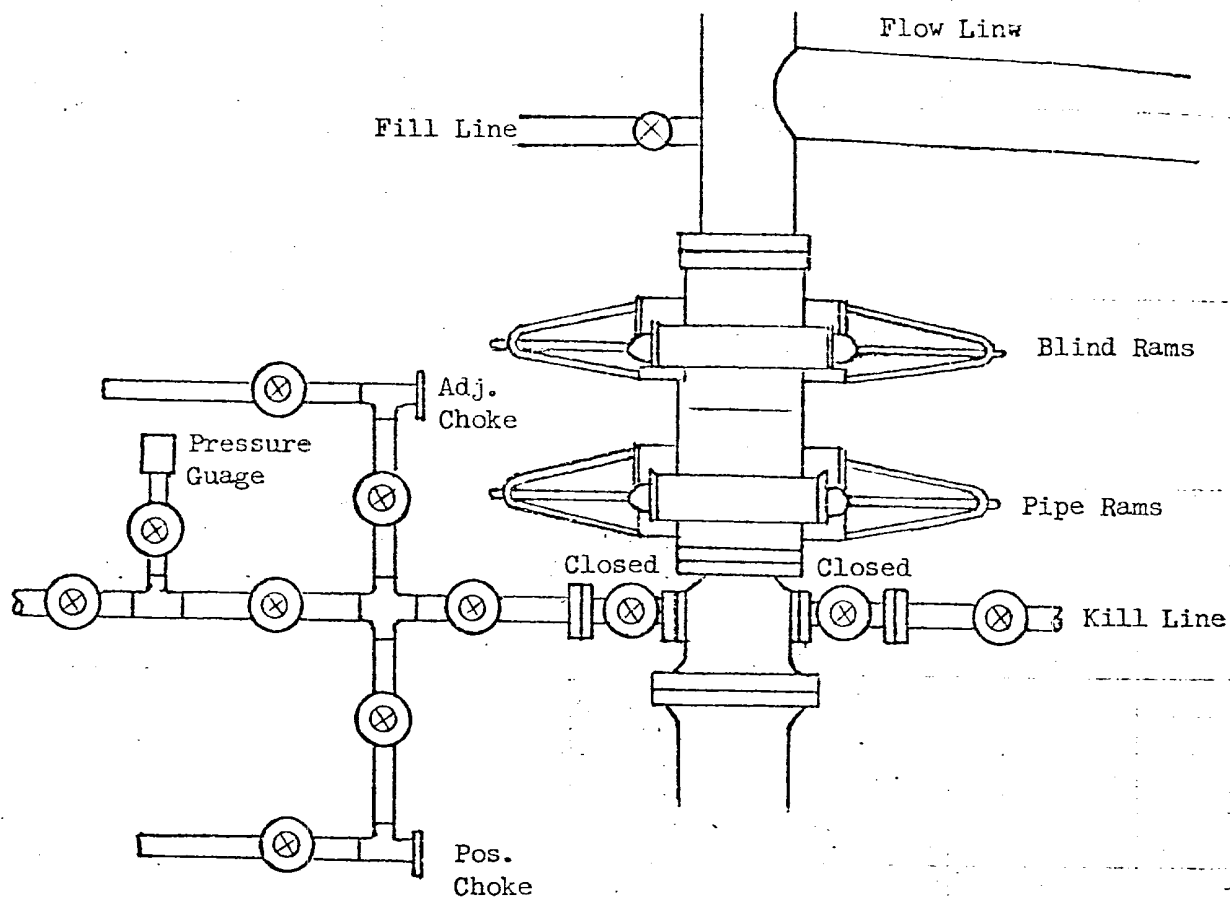
CONDITIONS OF APPROVAL, IF ANY:

APPROVED-
AS AMENDED

FEB 1 1978

DATE

ACTING DISTRICT ENGINEER



All valves 2"

All BOPs, flanges, spools, valves, & lines must be series 900 or 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOOKUP

FEB 7 1978

Denver, Colorado

OIL CONSERVATION COMM.

HOBBS, N. M.