

UNIT STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Tenneco Oil Company

3. ADDRESS OF OPERATOR
 1860 Lincoln St., Suite 1200 Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 Unit E, 1980' FNL, 400' FWL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles South of Maljama; New Mexico

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

16. NO. OF ACRES IN LEASE
 520

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 3900'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 EST. 3690' GL

22. APPROX. DATE WORK WILL START*
 Dec. 15, 1975

5. LEASE DESIGNATION AND SERIAL NO.
 LC 067230

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Lusk (Seven Rivers) Unit

8. FARM OR LEASE NAME
 Lusk (Seven Rivers) Unit

9. WELL NO.
 7

10. FIELD AND POOL, OR WILDCAT
 Lusk (Seven Rivers)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 3, T19S, R32E

12. COUNTY OR PARISH
 Lea

13. STATE
 New Mexico

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# | 300 | Circulate |
| 7 7/8 | 5 1/2" | 17# | 3900 | 200 SX Cement behind casing must fill to Base Salt |

Will drill 7 7/8" hole to test Seven Rivers Formation using fresh water to 1300' and brine to T.D. Will run dill and FDC-CNL logs. 5 1/2" casing will be run and cemented if well indicates production or plugged per USGS requirements. We will stimulate as necessary to establish commercial oil production.

MAR 19 1976

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

SIGNED Jim Mc Cormick TITLE Senior Drilling Engineer DATE 11-21-75
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

APPROVED
AS AMENDED
DEC 19 1975
ARTHUR R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side

7 POINT WELL CONTROL PROGRAM

1. Surface casing: 8 5/8" OD, 24#/ft. approximately 300', grade K-55, used.
2. Casinghead will be 10" 600 series, 2000 psi pressure rating.
3. No intermediate casing will be run.
4. Blowout Preventors: Hydraulic, double ram 10", series 600. One set of rams will be provided for each size drill pipe being used. One set of blind rams will be in the preventor at all times. Fill lines, kill lines and relief lines will be 2". Relief line will contain a variable choke.
5.
 - (1) Kelly cock will be in use at all times.
 - (2) A stabbing valve to fit drill pipe will be on the floor at all times.
 - (3) Mud will be monitored visually.
6. This is an area of known pressures. Maximum pressure will not exceed 1200 psi at total depth.
7. Drilling Fluids:
 - 0 - 300 Spud mud
 - 300 - 1300 Fresh water mud, low solids, sufficient viscosity to maintain good hole conditions.
 - 1300 - T.D. Salt-water mud, near saturated, sufficient vis and chemical to maintain good hole conditions.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAN

Form 11-1-75
Superseded 11-1-75
Effective 1-1-75

All data on this form is from the office records of the Commission.

| | | | | | | |
|--|---------------------|--------------------------|-------------------------|-----|--|---|
| Operator Tenneco Oil Company | | | Lusk Seven Rivers Unit | | | 7 |
| Section E | Section 3 | Range 19 South | Range 32 East | Lea | | |

400 feet from the West 1980 North

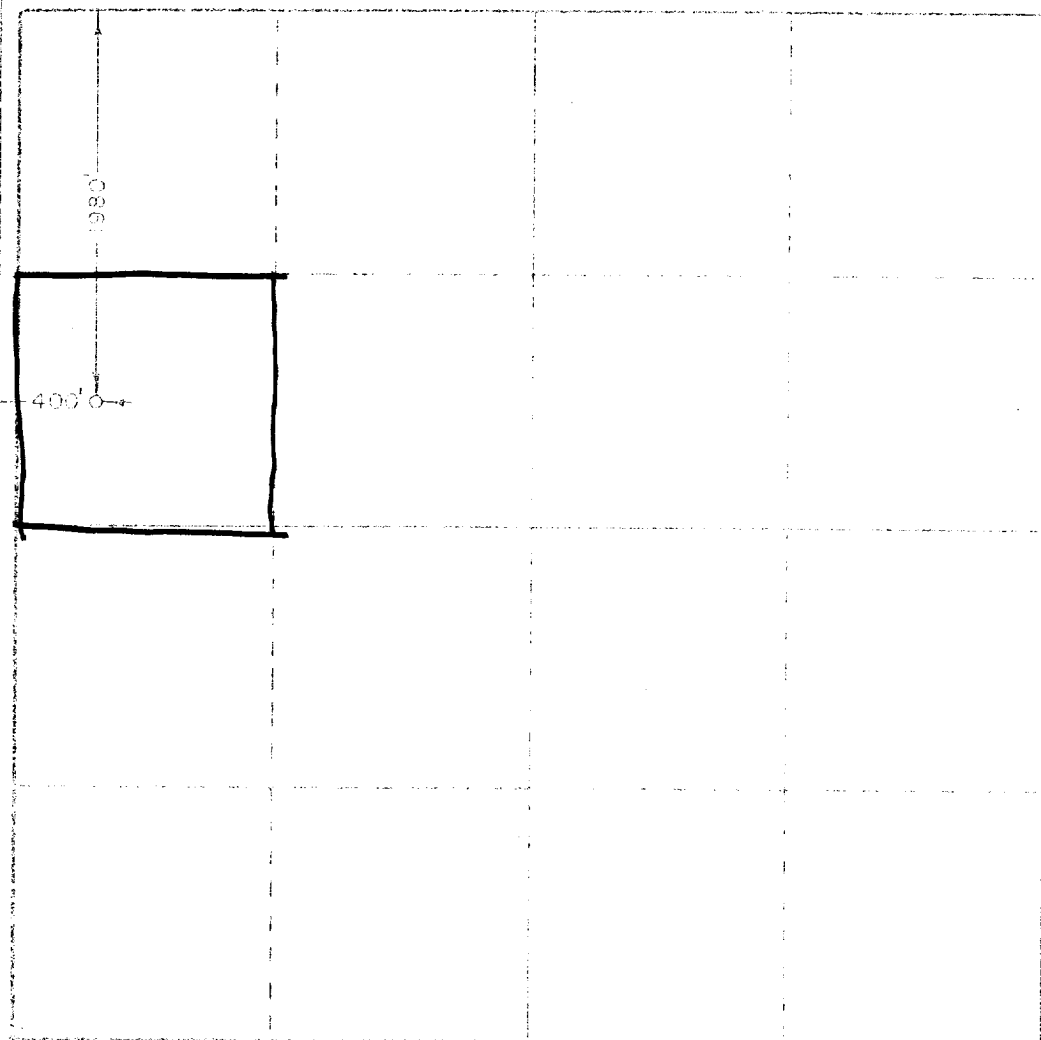
3468 $\frac{3}{4}$ SEVEN RIVERS LUSK (SEVEN RIVERS) 40

1. Outline the acreage dedicated to the subject well by colored pencil or ink on the plot below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership (share of the lease, working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc?

Yes No If answer is "yes" type of consolidation UNITIZATION

If answer is "no" list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



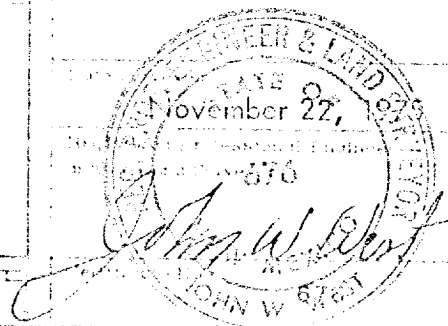
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

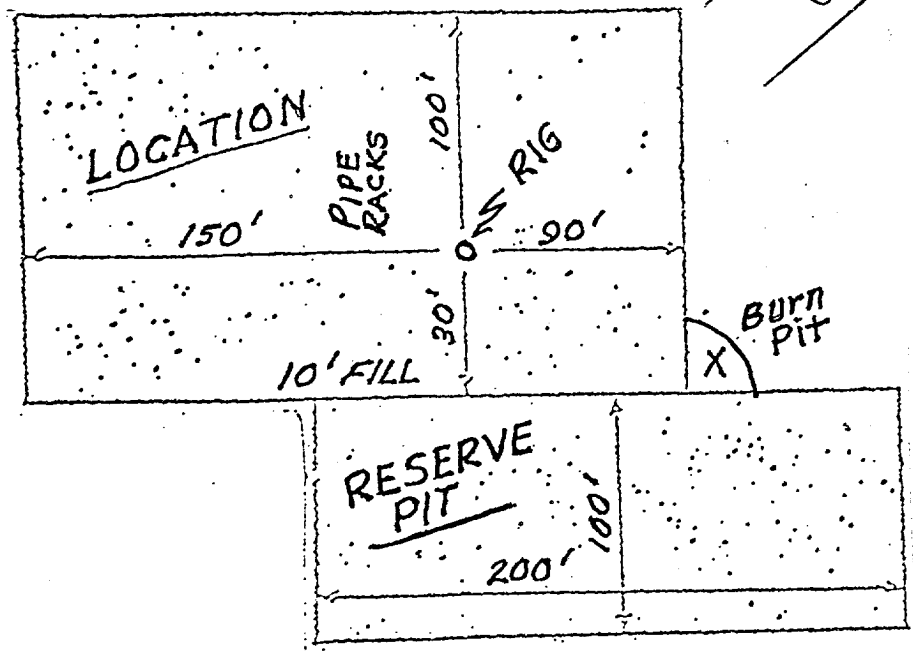
Jim F. McCormick
SR. DRILLING ENGINEER
TENNECO OIL CO.

11-26-75

I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



1100' OF
16' WIDE ROAD
CATCHED



SURFACE USE PLAN

1. Shown on attached map.
2. Approximately 1100' of 16' wide caliched road as shown on topo map will be built.
3. Shown on attached map.
4. Shown on attached map.
5. Existing tank battery will be used. 2600' of flow line will be layed from new well to tank battery.
6. Fresh water will be hauled from Phillips Petroleum Co. Plant. Salt water will be hauled from pot ash mines.
7. All waste disposal will be buried in the reserve pit when the location is cleaned up.
8. No camps will be required.
9. No airstrip will be required.
10. Shown on attached diagram.
11. Topsoil will be stock piled if any is present. Upon completion or abandonment of this well the location will be cleaned and levelled and a dry hole marker installed if applicable.
12. This location is sandy, semi desert, typical for this area. Vegetation is sage brush, and very little grass.

RECEIVED

2015

U.S. CONSTITUTION COMM.