Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

API-30-045-22023

5. LEASE DESIGNATION AND SERIAL NO.: 14-08-001-2966

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Lawson

9. WELL NO.: #1A

10. FIELD AND POOL, OR WILDCAT: Blanco Mesa Verde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 10, T30N, R8W

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] 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: 1590' FNL and 1040' FWL
At proposed prod. zone:

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OIL CON. COM.
DIST. 3

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1040'

16. NO. OF ACRES IN LEASE: 320

17. NO. OF ACRES ASSIGNED TO THIS WELL: W/320

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

19. PROPOSED DEPTH: 5570'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6300' GL

22. APPROX. DATE WORK WILL START*: upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12¼"	9 5/8"	36#	200' ±	Suff. to circulate to surface.
8 3/4"	7"	23#	3400' ±	Suff. to cement back to surface csg.
6 1/8"	4½"	10.5#	3150'- 5570'±	Suff. to cement back to 7" csg.

Plan to drill well as follows:

1. MIRURT, drill 12¼" hole to ±200'.
2. Set and cement 9 5/8" casing to ± 200' & cement with suff. cement to circ. to surface.
3. Drill out with 8 3/4" bit to ± 3400 feet.
4. Run 7" casing and cement back to surface casing.
5. Drill out of 7" using gas as the circulating fluid, do not drill more than 10' below the 7" casing shoe until the hole has dried up completely and is dusting.
6. Drill the hole to T.D., log the hole dry as requested by drillsite geologist.
7. Run 4½" liner to T.D., load hole with mud and cement liner back to top of 4½". Set liner hanger and POH w/drill pipe.
8. This well will be completed through casing perforations and stimulated as necessary to establish commercial production.
9. Clean up area.

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.

24.

SIGNED: Z Z Pack TITLE: Div. General Manager DATE: 3-24-76

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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U. S. GEOLOGICAL SURVEY

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

	Lease	Well No.
[illegible]	DAWSON	1A

Township	Range	County
[illegible]	8 WEST	SAN JUAN

[illegible] feet from the [illegible] line and 1040 feet from the WEST line

[illegible]	Pool	Dedicated Acreage:
[illegible]	Blanco Mesaverde	[illegible]

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to 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, force-pooling, etc?

[illegible] If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually 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.

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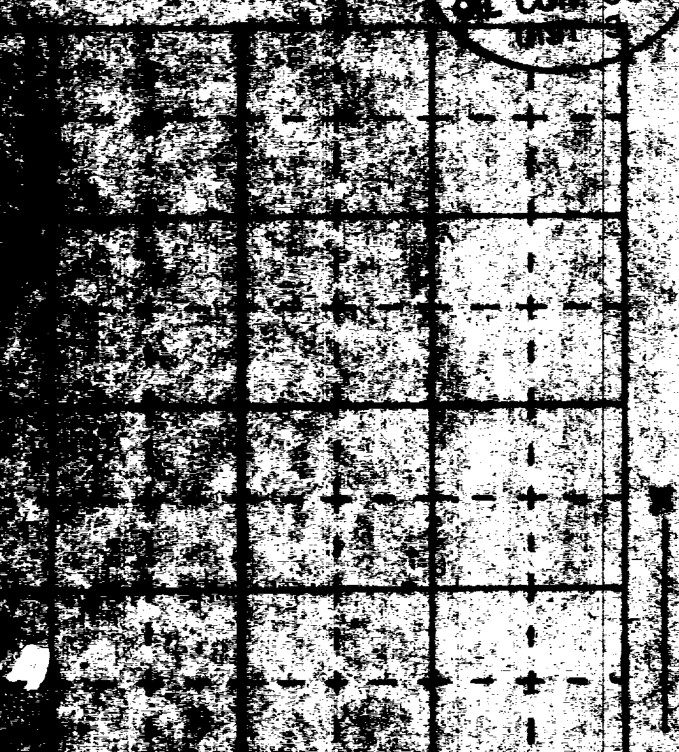


CERTIFICATION

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

Name [signature]

Position Production Clerk

Company Tenneco Oil Co.

Date 3/23/76

I hereby certify that the well location shown on this plat 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.

11 March, 1976

Date Surveyed

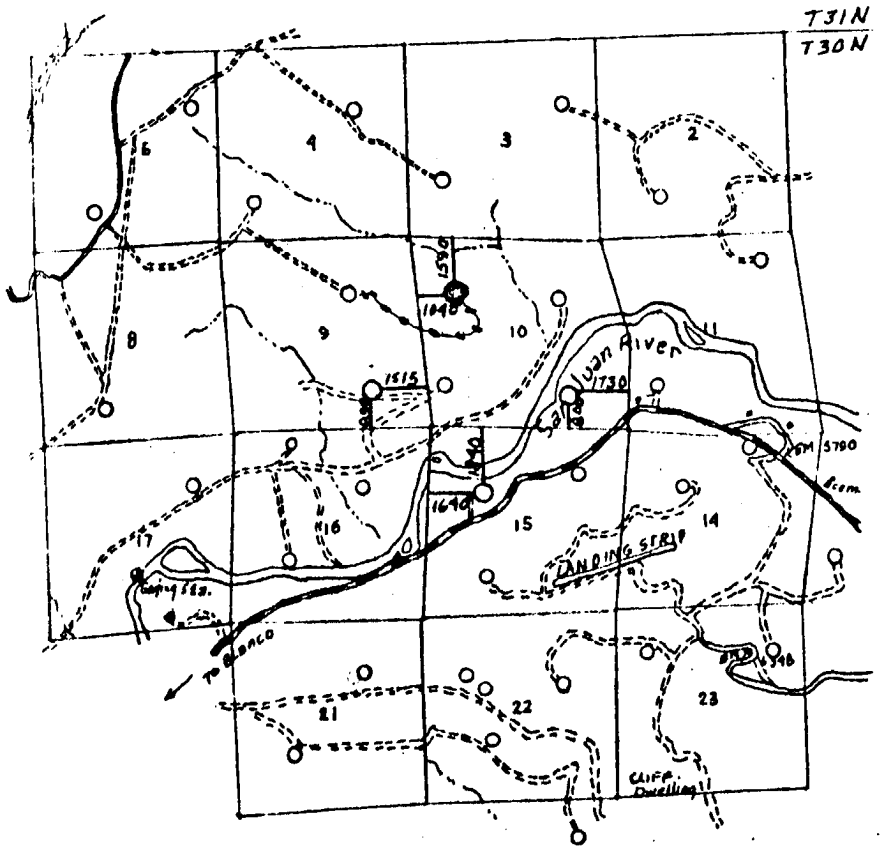
[signature]

Registered Professional Engineer and/or Land Surveyor

James P. Leese

1463

Certificate No.



ROW

= = = = = Existing Roads

●——●——● Proposed Roads

N

1" = 1 mile

Lawson 1-A

Vicinity Map for

Tenneco Oil Company

Showing

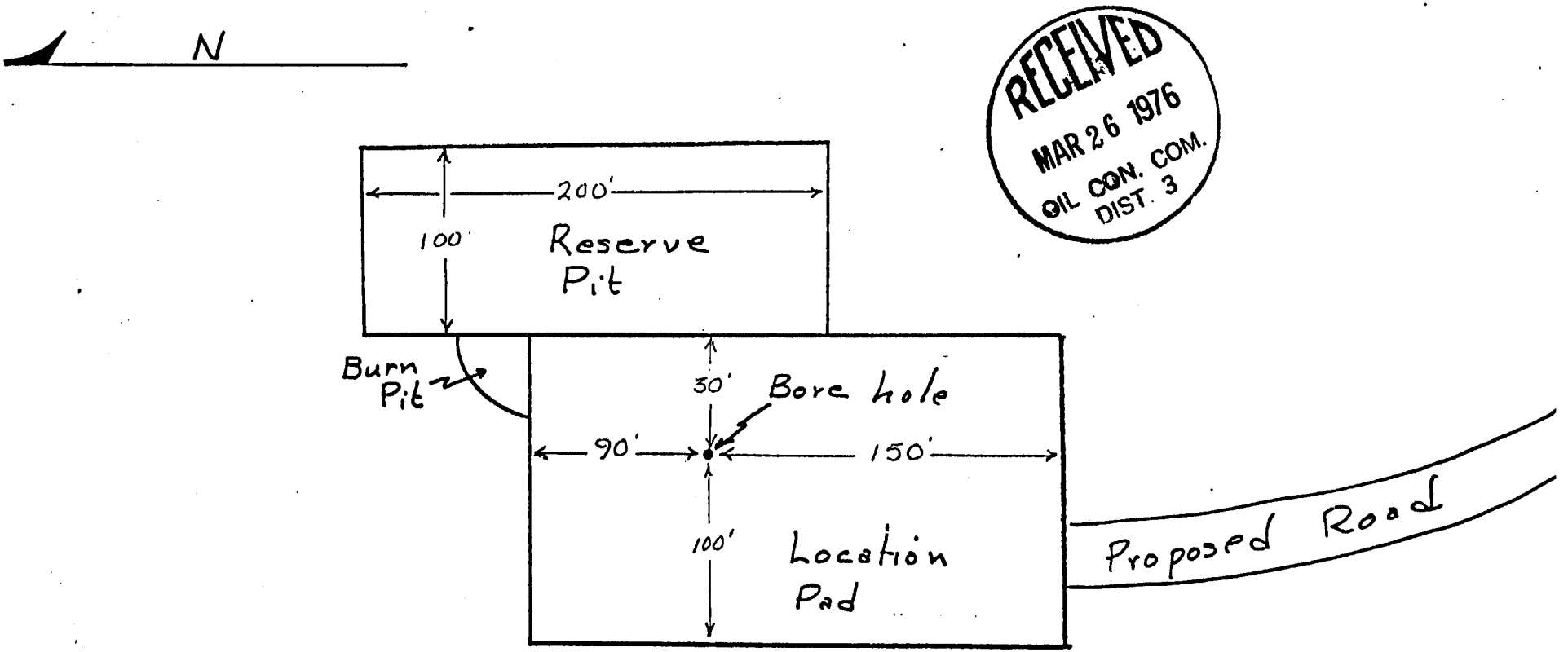
Well locations in SE/4 of Sec 9; NW/4 of Sec 10; SE/4 of Sec 10; NW/4 of Sec 15; T30N, R8W, N.M.P.M., San Juan County, New Mexico

Scale: 1" = 1 Mile

Date: 15 March 1976

San Juan Engineering Company
Farmington, New Mexico

RIG LAYOUT
LAWSON 1-A



Lawson #1A
SURFACE USE PLAN

1. Shown on attached map.

2. Shown on attached map. Approximately 4800' of 14'wide road will be required.

3. Shown on attached map.

4. Shown on attached map.

5. This is expected to be a dry gas well, therefore, a tank battery will not be required.

6. Water will be hauled from the San Juan River or nearest wash.

7. All waste material will be buried in reserve pit at time of location clean up.

8. No camps will be associated with this operation.

9. No airstrip will be built for this operation.

10. Shown on attached diagram.

11. Upon completion or abandonment of this well, the location will be cleaned and levelled and a dry hole marker placed, if applicable.

12. The location is sandy, rocky, typical for the area. Vegetation is sage brush, scrub oak, and scrub cedar.

Lawson #1A

7 POINT WELL CONTROL PLAN

1. Surface casing: 9 5/8", 24#, approximately 200, grade K-55, new condition.

2. Casinghead will be 10", 900 Series, 3,000 psi rating.

3. Intermediate casing - 7", 20#, K-55, will be set at ± 3400' and cemented to surface casing.

4. 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.

5. Auxiliary equipment:

   (1) Kelly cock will be in use at all times.
   (2) Stabbing valve to fit drill pipe will be present on floor at all times.
   (3) Mud monitoring will be visual, no abnormal pressures are anticipated in this area.
   (4) Rotating head will be used when drilling with gas.

6. Anticipated bottom-hole pressure:

   This is an area of known pressure. Maximum anticipated pressure at 5700' T.D. is psi.

7. Drilling Fluids:

   0 - 200' Spud mud

   200- 3400' Gel water - low solids as needed to maintain good conditions.

   3400'- T.D. Compressed gas