Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instruction reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: NM 050475 A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME: CA 3W 587
8. FARM OR LEASE NAME: Federal 22
9. WELL NO.: 2
10. FIELD AND POOL, OR WILDCAT: West Sawyer (San Andres)
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 22-T9S-R37E
12. COUNTY OR PARISH: Lea
13. STATE: New Mexico

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

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Oil Development Company of Texas

3. ADDRESS OF OPERATOR: P. O. Box 12058, Amarillo, TX 79101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FSL & 660' FWL
At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 12 miles east of Crossroads

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	17. NO. OF ACRES ASSIGNED TO THIS WELL
660	80	80
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
1320	5100	rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3972.2 GR

22. APPROX. DATE WORK WILL START*: 7-1-77

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# K-55	420	250 sx 'C', 2% gel, 7% salt
7-7/8"	4-1/2"	10.5# K-55	5100	1st stage 250 sx 'C'
				2nd stage (DV tool @ 2350±) 700 sx 'Lite' cement

1. Drill 12-1/4" surface hole. Run 420' ± 8-5/8" 24# K-55 casing & cement. Install double-ram BOP and test to 500 psi prior to drilling out.

2. Drill 7-7/8" hole to TD and run 4-1/2" 10.5# K-55 casing with DV tool @ 2350' or 50' into Rustler Anhydrite. Cement 1st stage with 250 sx 'C', 2% gel, 7% salt. Cement 2nd stage with sufficient volume to circulate to surface, estimate 700 sx.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Unless Drilling Operations Have Commenced, this drilling approval expires 10-11-77

RECEIVED
JUN 1 1977
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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 D. L. Stogner Jr. TITLE Drilling Superintendent DATE May 25, 1977

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED AS AMENDED
JUL 11 1977
BERNARD MOROZ
ACTING DISTRICT ENGINEER

"APPROVAL TO FLARE GRANTED WHILE DRILLING AND TESTING"

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT

Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
OIL DEVELOPMENT CO. OF TEXAS	FED. 22	2

Unit Letter	Section	Township	Range	County
M	22	9 South	37 East	Lea

Actual Footage Location of Well:
660 feet from the South line and 660 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
3972.2	San Andres	West Sawyer	80 Acres

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

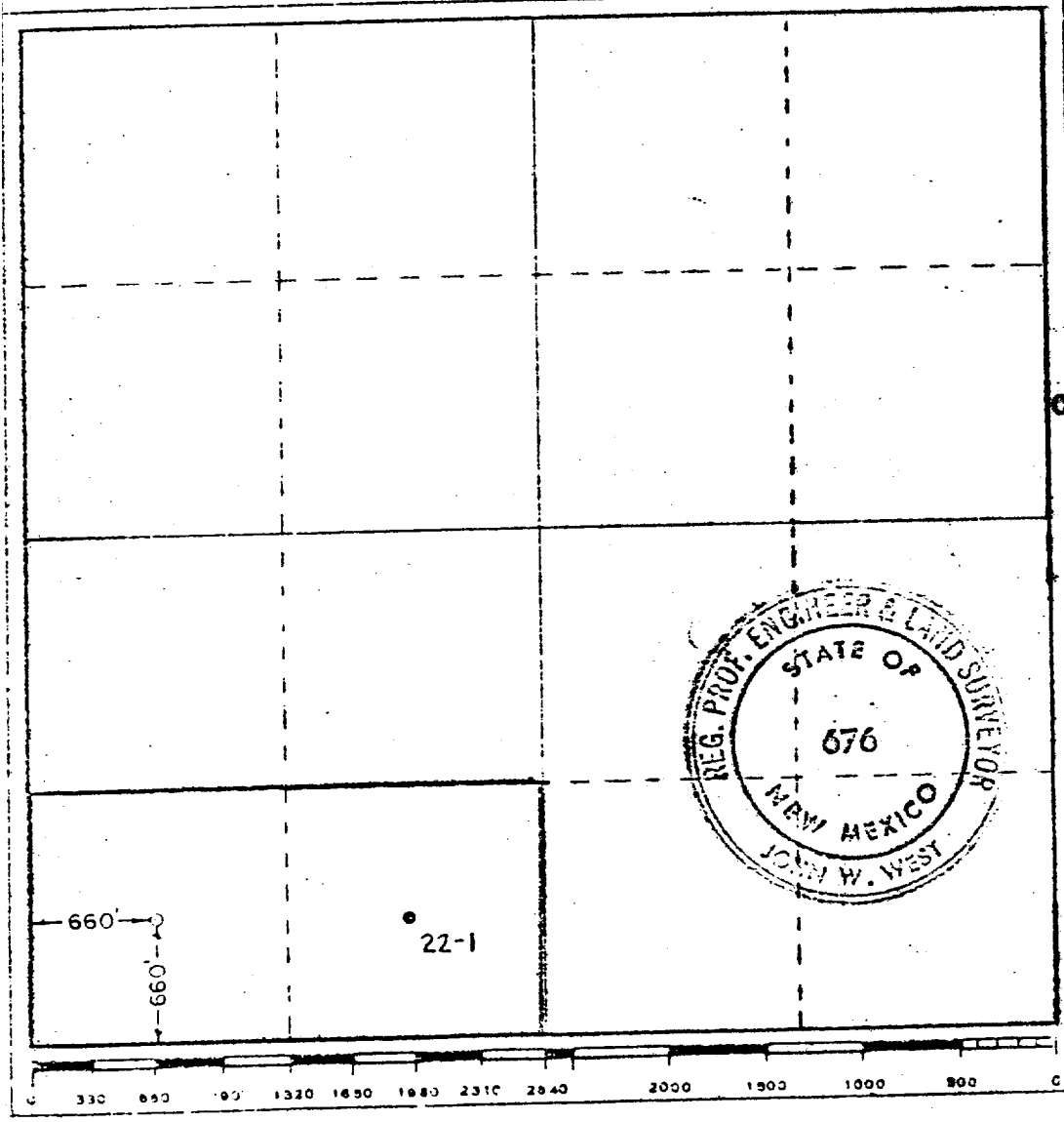
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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?

☒ Yes ☐ No If answer is "yes," type of consolidation IN CA SW 587

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.

Name: D. T. Stogner Jr.

Position: Drilling Superintendent

Company: Oil Development Company of Texas

Date: May 25, 1977

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.

Date Surveyed: May 7, 1977

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. 676

SUPPLEMENT TO FORM 9-331C

1. Surface Formation: Ogallala

2.

Formation	Estimated Depth KB
Rustler Anhydrite	2300
San Andres	4245
Slaughter Pay	4958

3. All fresh water will be protected by surface casing. Slaughter (San Andres) is the only hydrocarbon bearing formation.

4. See Form 9-331C.

5. 10" 900 Series double-ram BOP will be used. Pipe rams will be checked each day, blind rams each trip. 10" and 6" 2000 psi wellhead equipment will be installed. See Diagram 1.

6. Circulating system:

0 - 420	Spud Mud
420 -4900	Native Mud 9.2-10.0 ppg
4900 - TD	Salt water gel chemical 10.0 - 10.2 ppg, 34-38 Vis, 10-20 cc WL

7. Auxiliary equipment includes:

   1. Double ram BOP.
   2. Stab in kill valve.
   3. Kill manifold with choke.

8. No cores or tests anticipated. Logs run will be GR/SNP and SP/LL.

9. No abnormal pressures, temperatures, or H_2S anticipated.

10. Duration of 20 days.

OIL DEVELOPMENT COMPANY OF TEXAS

13 Point Surface Use Plan

for

Federal 22 #2

Sec. 22-T9S-R37E
Lea County, New Mexico

1. Existing Roads

Map A shows the proposed location and its distance and direction from Crossroads, New Mexico. Lease road leaves highway approximately nine miles east of Crossroads.

Map B shows all lease roads in the area in detail. Lease roads are topped with caliche and well maintained.

2. Planned Access Road

Map B indicates the planned access road leading to the Federal 22-2. It will be approximately 600 feet long from the turnout.

The new road will be 12' wide to 20' at the turnout with a maximum 2% grade. There will be a 6" drop on either side of the center line for drainage and the road will be surfaced with 4" of caliche.

3. Location fo Existing Wells

Map B (Scale 1" = 2000') shows all wells within a one mile radius..

4. Location of Existing/Proposed Facilities

Map B shows all of Oil Development Company of Texas' flowlines, water lines, and tank batteries in the West Sawyer Field. The proposed flowline will be a buried 2" steel line running along the road from the Federal 22-2 to the Federal 22-1 storage facility. The line will be approximately 1320' long.

5. Location and Type of Water Supply

Fresh water will be transported to location from a well located in Section 32-T9S-R37E and owned by Mr. Mike Wharton. Salt water, if needed, will be hauled from the central tank battery in Section 33-T9S-R37E.

6. Source of Construction Materials

The caliche for the location and road will come from a pit owned by Mr. Wilson Bilbrey and located in SW/4 of Section 27-T9S-R37E.

7. Methods of Handling Waste Disposal

A reserve and burn pit shall be constructed. All trash and flammables will be burned. Non-flammable materials such as cuttings, salts, chemicals, etc. will be buried in the reserve pit and covered. Both the burn and reserve pits will be fenced prior to drilling and remain fenced until they can be back-filled. A portable chemical toilet will be supplied for human waste.

8. Ancillary Facilities

There are no ancillary facilities planned for at the present time.

9. Wellsite Layout

See Diagram 2.

10. Plans for Restoration of Surface

Upon completion of the well, all materials not needed for production will be removed. The surface, being essentially blown sand, offers very little topsoil. After the reserve pit has dried up and been back-filled, every effort will be made to return the area to as near its original state as possible.

11. Other Information

The terrain in the general area is flat with small sand hills. There are no major drainages in the area and annual precipitation is low.

Due to the low rainfall average, climate conditions, and soil type, the vegetation that is found in the area is common of the semi-arid region. This includes mesquite, sand sage and native range grasses.

The fauna common to this area consists of rabbits, rodents, and reptiles. Birds include hawks, sparrows and finches.

There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archeological, historical or cultural sites within any reasonable proximity of the proposed location site.

12. Lessee's or Operator's Representative

C. Brad Crouch
Oil Development Company of Texas
P. O. Box 12058
Amarillo, TX 79101

806-376-5741

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familair with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Oil Development Company of Texas and its contractors and sub-contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Nov 26 1977
Date

C. Brad Crouch
C. Brad Crouch

OIL DEVELOPMENT COMPANY OF TEXAS
Federal 22 No. 2
Sec. 22-T9S-R37E
Lea County, New Mexico

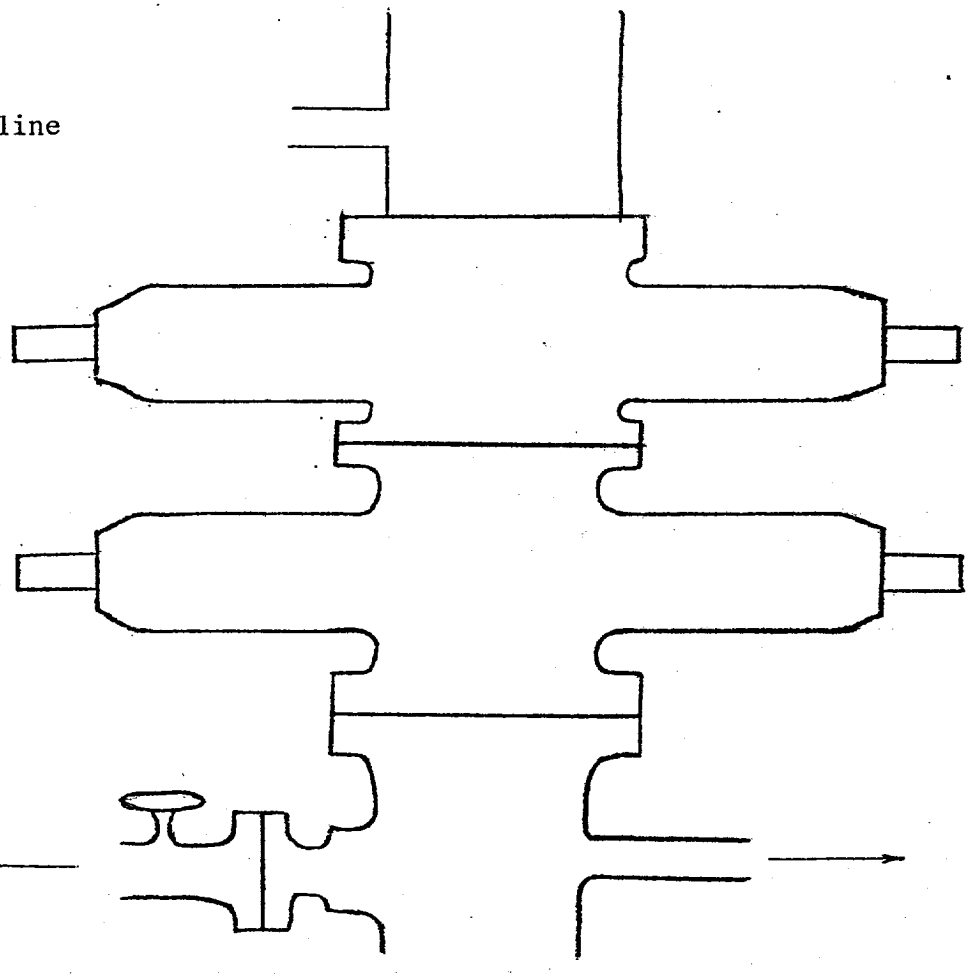
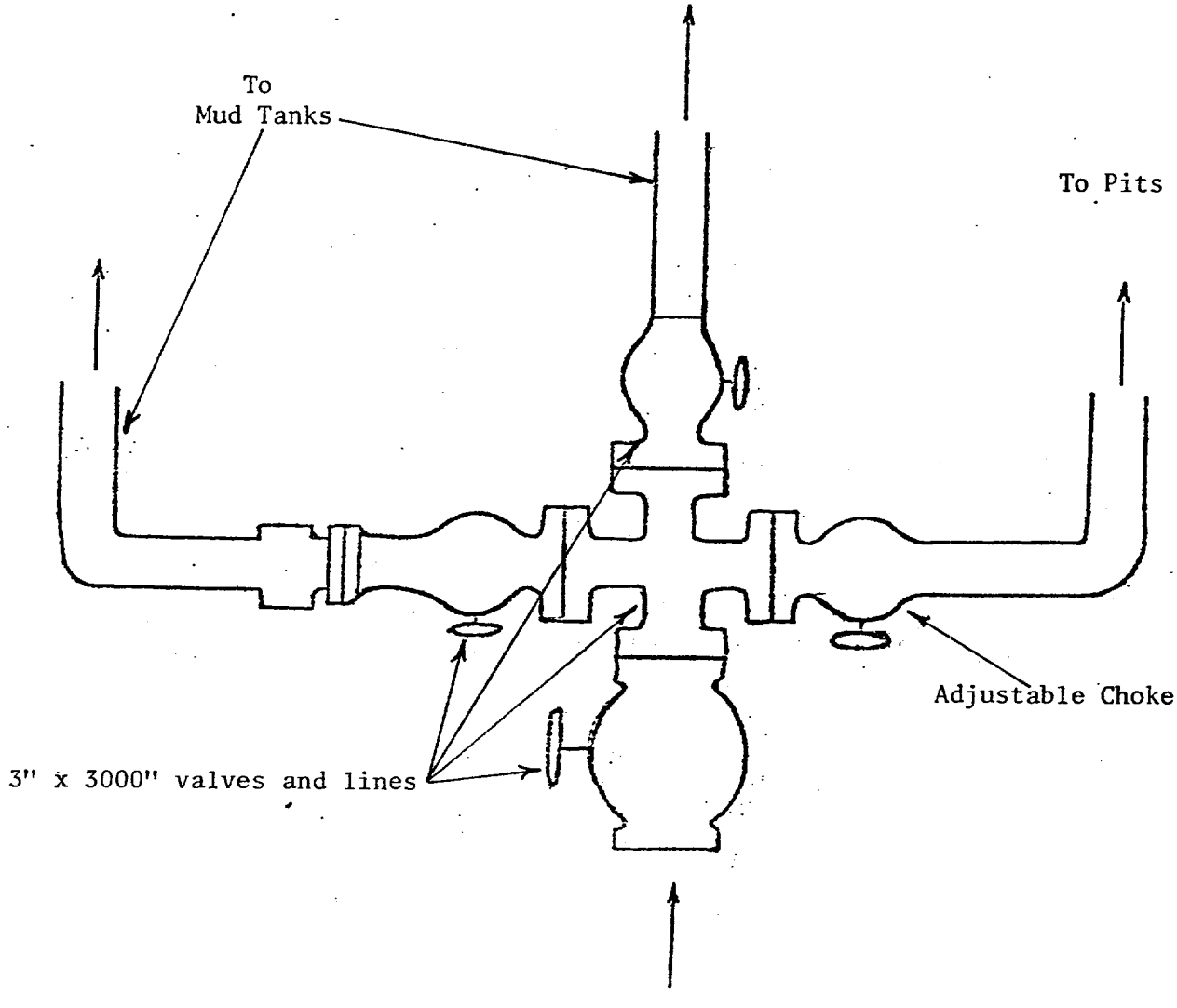


Diagram 1

CHOKE MANIFOLD SCHEMATIC
Oil Development Company of Texas
Section 22-T9S-R37E
Lea County, New Mexico



Oil Development Company of Texas
Federal 22-2
Sec.22-T9S-R37E
Lea County, New Mexico

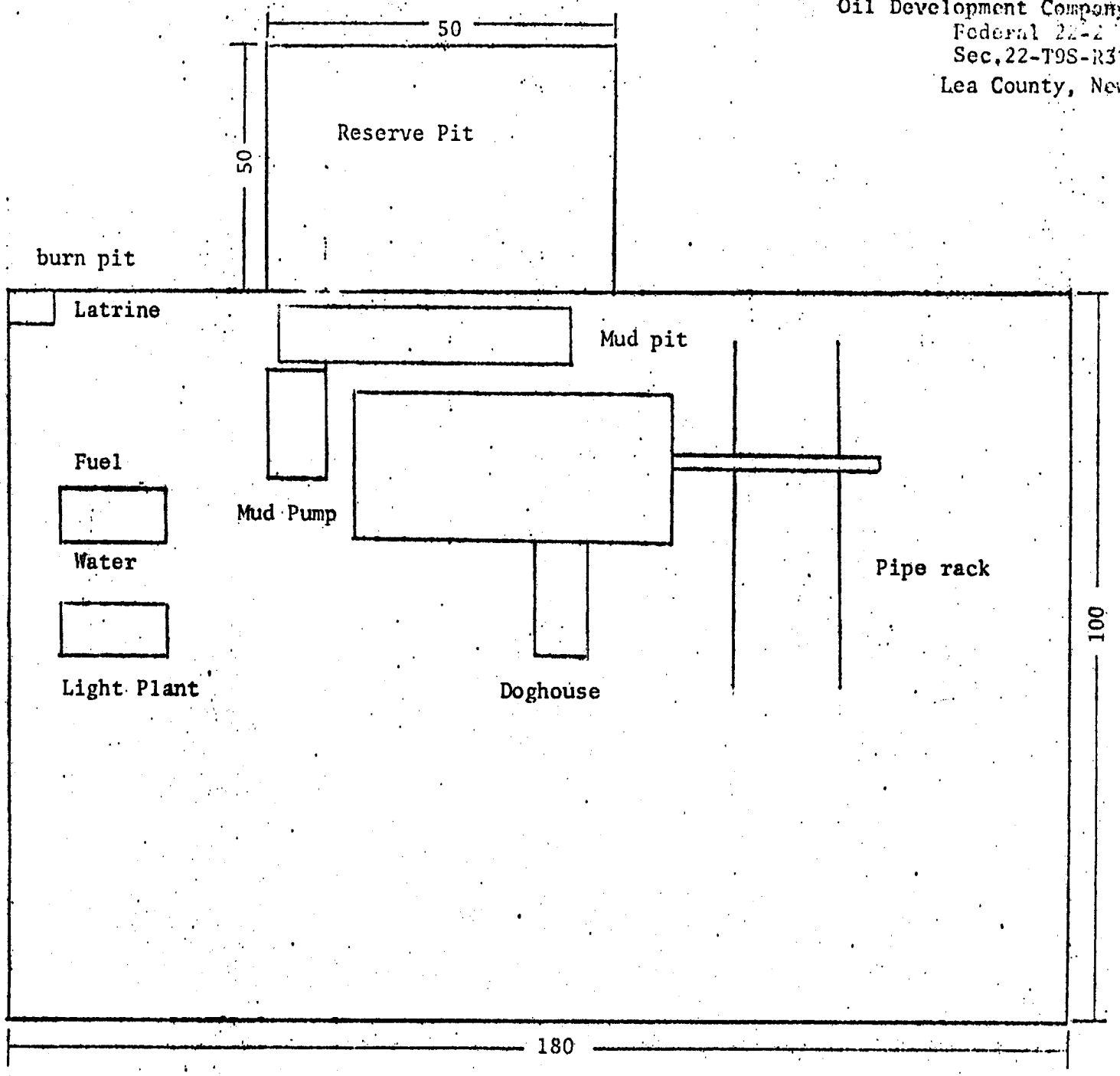
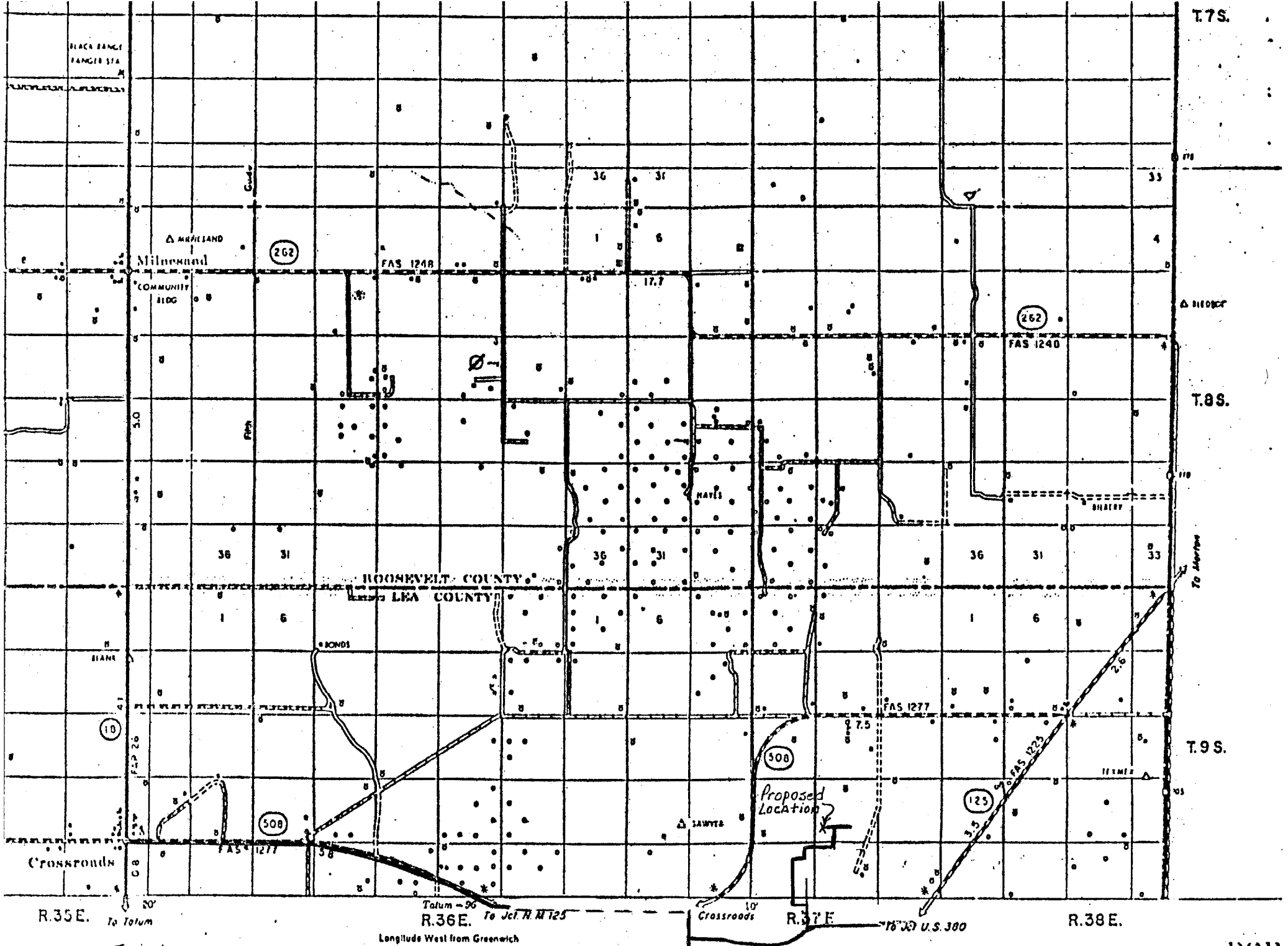


Diagram 2


T.7S.
T.8S.
T.9S.
R.35E.
R.36E.
R.37E.
R.38E.
Milnesand
COMMUNITY BLDG
FAS 1248
FAS 1240
262
ROOSEVELT COUNTY
LEA COUNTY
BONDS
HAYES
SHEARY
FAS 1277
FAS 1225
508
125
10
Crossroads
Proposed Location
Existing road
Proposed Access road
Scale 1/mile or 1 Inch = 2 Miles
STATUTE MILES
Longitude West from Greenwich
DATE OF INVENTORY
LEA COUNTY 1963
ROOSEVELT COUNTY 1964
MAP A
DOR
QUADRA
84

U. S. Geological Survey

HOBBS DISTRICT

Oil Development Co. of Texas
No. 2 Federal 22
SW¼SW¼ sec. 22-9S-37E
Lea County, N. M.

Above Data Required on Well Sign

CONDITIONS OF APPROVAL

1. Drilling operations authorized are subject to compliance with the attached General Requirements for Drilling Operations on Federal Oil and Gas Leases, dated January 1, 1977.

2. Notify this office (telephone (505) 393-3612) when the well is to be spudded and in sufficient time for a representative to witness all cementing operations. Attached are names and telephone numbers of Geological Survey and Bureau of Land Management personnel who are available for consultation during construction, drilling, completion, and rehabilitation activities.

3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.

4. Secure prior approval of the District Engineer for variance from the approved drilling program and before commencing plugging operations, plug-back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely.

5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.

6. 1st. stage of 4½" must have sufficient cement to fill to base of salt.

7. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.