

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. RM 18834		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Samedan Oil Corporation			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 900 Wall Towers East, Midland, Texas 79701			8. FARM OR LEASE NAME Chambers Federal No. 1		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FEL and 660' FML At proposed prod. zone Same			9. WELL NO. 1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 8 miles Northwest Lovington			10. FIELD AND POOL, OR WILDCAT Wildcat UNDESIGNATED		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 660 feet		16. NO. OF ACRES IN LEASE 160		17. NO. OF ACRES ASSIGNED TO THIS WELL 80	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		19. PROPOSED DEPTH 10,600'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4013.6 G.L.			22. APPROX. DATE WORK WILL START*		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	460'	400 sz. Class "C" 2X CaCl
12 1/4"	8 5/8"	24# & 32#	4600'	300 sz Class "C" 2X CaCl
7 7/8"	5 1/2"	15 1/2#	10600'	400 sz.

Plan to drill and run casing as outlined above. (DST's may be run on any formation in which production may be expected). If production is indicated, the well will be completed according to Rules and Regulations of New Mexico Oil Conservation Commission.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

See attached well program sheet and BOP and mud program.

RECEIVED
JUN 23 1977

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

24. SIGNED Ken L. Marcar TITLE Production Superintendent DATE June 21, 1977
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Oil and Gas Drilling Operations have
Completed, this drilling permit is
Expiring 10-15-77

*See Instructions On Reverse Side

APPROVED
AS AMENDED
JUL 15 1977
ARTHUR R. BROWN
DISTRICT ENGINEER

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-685231

W. N. HOBBS
MINING CONSERVATION
JUL 19 1967
RECEIVED

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

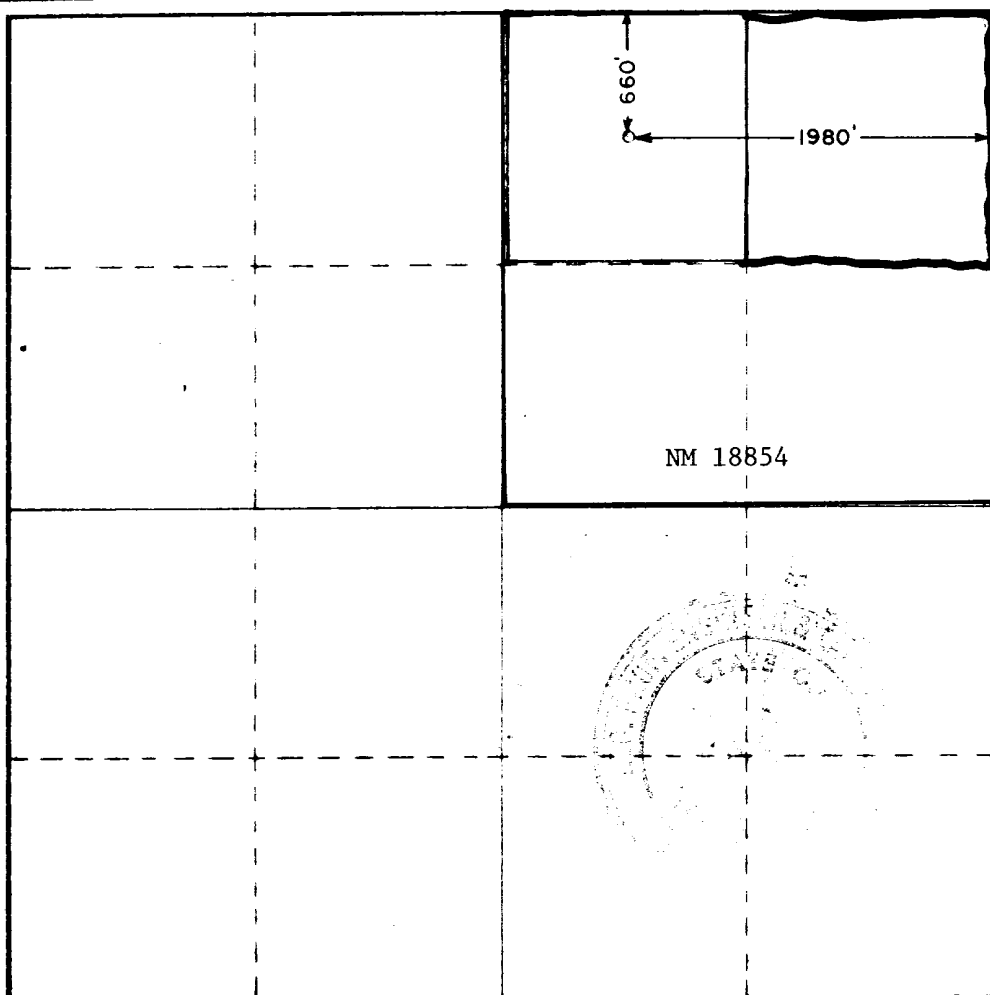
Operator Samedan Oil Corp.			Lease Chamber Fed.		Well No. 1
Unit Letter B	Section 33	Township 14 South	Range 35 East	County Lea	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 660 feet from the North line and 1980 feet to the East line </div>					
Ground Level Elev. 4013.6	Producing Formation Wolfcamp Reef	Pool WILDERNESS		Estimated Acreage 40.80	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 _____

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 hereon is true and complete to the best of my knowledge and belief.

Ron L. Mercer

Ron L. Mercer

Position
Production Superintendent

Company
Samedan Oil Corporation

Date
June 21, 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

June 16, 1977

Registered Professional Engineer
and/or Surveyor

John W. West

Certificate No.

676



RECEIVED

JUL 15 1977

OIL CONSERVATION COMM.
HOBBS, N. M.

APPLICATION FOR DRILLING
SAMEDAN OIL CORPORATION
CHAMBERS FEDERAL NO. 1
660' FNL & 1980' FEL
Sec. 33, T-14-S, R-35-E
Lea County, New Mexico

In conjunction with Form 9-331 C, Application for Permit to Drill, subject well in Section 33, Township 14 South, Range 35 East, Lea County, New Mexico, Samedan Oil Corporation submits the following ten items of pertinent information in accordance with U.S.G.S. requirements.

1. The geologic surface formation is Quaternary Alluvium with sparse vegetation.
2. The estimated tops of geologic markers are as follows:

San Andres	4640'
Abo	8170'
Wolfcamp	9660'
Penn Reef	10420'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered are:

Water: Spotty, probably at 250 feet.

Oil: Penn Reef 10,420.
4. Proposed casing program: See Attachment.
5. Pressure control equipment: See Attachment.
6. Mud Program: See Attachment.
7. Auxiliary equipment: Will use 6" 900 series BOP throughout completion.
8. Testing, logging and coring programs: See Drilling Program.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: July 20, 1977.

Samedan Oil Corporation
Chambers Federal No. 1
660' FNL & 1980' FEL
Sec. 33, T-14-S, R-35-E
Lea County, New Mexico

MULTI-POINT SURFACE USE AND OPERATION PLAN

1. Existing Roads:

- A. Exhibit "A" is a portion of a highway map showing the general location of the proposed well as staked.
Directions to location are as follows: (See Exhibit "A-1")
Go North through Lovington, N.M. on U.S. Highway 82 to North edge of town. Take left and go to 3rd street. Take right on 3rd Street, which is a blacktop, 5 miles. Turn left through cattleguard onto caliche road. Follow caliche road through ranch approximately 5 miles to location. (See Exhibit "B").
- B. Exhibit "B" is a plat showing all existing roads within at least a one mile radius of the wellsite and the proposed access road. An alternate route to the new location would be from the hard surfaced road 1.2 miles North via a ranch "trail". It is planned to caliche the new road to the new location from the existing lease road at Samedan's Carter No. 1.

2. Planned Access Road:

- A. Length and Width: New roads will be required to be 12 feet wide and 5280 feet long. This new road is indicated on Exhibit "B" in blue. The new road will begin at the Southwest corner of the caliche pad at Samedan's Carter No. 1, then directly West to the center of the Section, then North to a point due West of the Southwest corner of the new location, then due East to the location.
- B. Turnouts: Two turnouts will be constructed at equally spaced distances along the road. The turnout will increase the road width to 20 feet for a 30 foot length.
- C. Miscellaneous: There will be no need for culverts, cuts and fills, or gates and cattleguards due to the ownership and lay of the land.

3. Location of Existing Wells:

Existing wells within a two-mile radius are shown on Exhibit "B".

4. Location of Existing and/or Proposed Facilities:

Exhibit "C" shows the proposed location of production facilities should production be encountered. Water disposal will be best handled by laying a plastic lined or fiberglass line to Samedan's Amerada State No. 1 (the current disposal well for the other wells in the area). This line should be buried. The flowline will be laid in a direct route to the battery. It is proposed to bury this line. The equipment will be located on the drilling pad thus minimum additional surface damage will occur.

5. Location and Type of Water Supply:

Water will be purchased and trucked to the wellsite over the existing and proposed roads shown on Exhibit "B".

6. Source of Construction Materials:

Caliche for surfacing the road and well pad will be obtained from an existing pit in the NE/4 NE/4 Sec. 29, T-14-S, R-35-E. The pit is on land owned by Mr. William Anderson. Location of the pit is shown on Exhibit "B".

7. Methods on Handling Waste Disposal:

- A. All drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pit until the pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. Ancillary Facilities:

None required.

9. Wellsite Layout:

- A. Exhibit "D" shows the proposed dimensions and shapes of the well pad, mud pits, reserve pits, trash pit, and location of major rig components.
- B. Only minor leveling of the wellsite will be required. No significant cuts and fills will be necessary.
- C. The reserve pits will be lined with a plastic or rubber material.
- D. The pad and pit area have been staked and flagged.

10. Plans for Restoration of Surface:

After abandonment of the well in the event of a dry hole, surface restoration will be in accordance with an agreement with the surface owner, Mr. William Anderson. See copy of letter attached stating agreement. Pits will be filled and the location cleaned. Rehabilitation should occur within 90 days of abandonment.

11. Other Information:

- A. Topography: Land surface is very flat with only a very slight slope to the Southeast estimated to be 5-10 feet per mile.
- B. Soil: The soil is a very thin dusty layer completely underlain by caliche.
- C. Flora & Fauna: The vegative cover is very sparse and consists mainly of perenial native range grass. Wildlife typical to the area is that of semi-arid desert land, ie, coyotes, rabbits, rodents, quail, and occasional antelope. The area is currently unused grazing pasture for cattle.
- D. Surface Water: There are no ponds, streams, rivers or lakes in the same section. The only visible surface water is approximately .3 miles to the Northwest where a windmill supplies a small pond.
- E. Residences and Structures: There are no structures for residences

or other uses near the wellsite. The nearest house is the farmhouse spotted on Exhibit "B".

- F. Land Use: The surface, owned by Mr. William Anderson from Lovington, is used for occasional grazing by cattle. The entire area to be used for well location and access road is owned by Mr. Anderson.
- G. There is no evidence of archeological, historical, or cultural sites in the area.

12. Owners Representative:

- A. The field representatives responsible for the operations on location is:

Mr. B. E. Frizzell
P.O. Box 190
Hobbs, New Mexico 88240
(505) 393-2512 (Office)
(505) 392-6080 (Home)

- B. The superintendent responsible for all compliance with the approved surface use and operations plan is:

Mr. Ron Mercer
900 Wall Towers East
Midland, Texas 79701
(915) 683-5536

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar 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 Samedan Oil Corporation and it's contractors and sub-contractors in con-forming with this plan and the terms and conditions under which it is approved.

6-20-77
DATE

Ron Mercer
NAME

Prod Supt.
TITLE

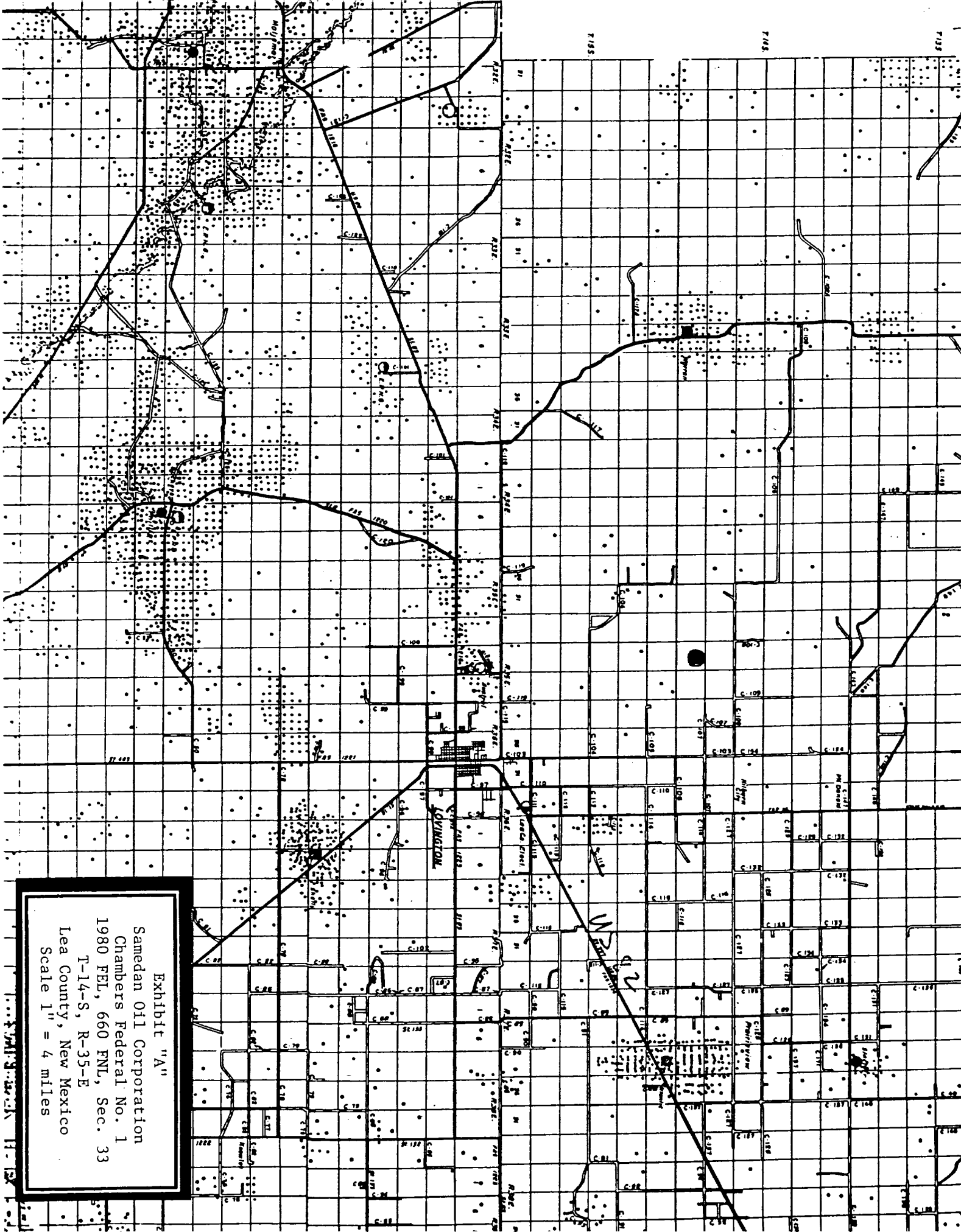
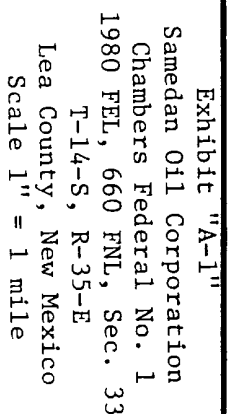
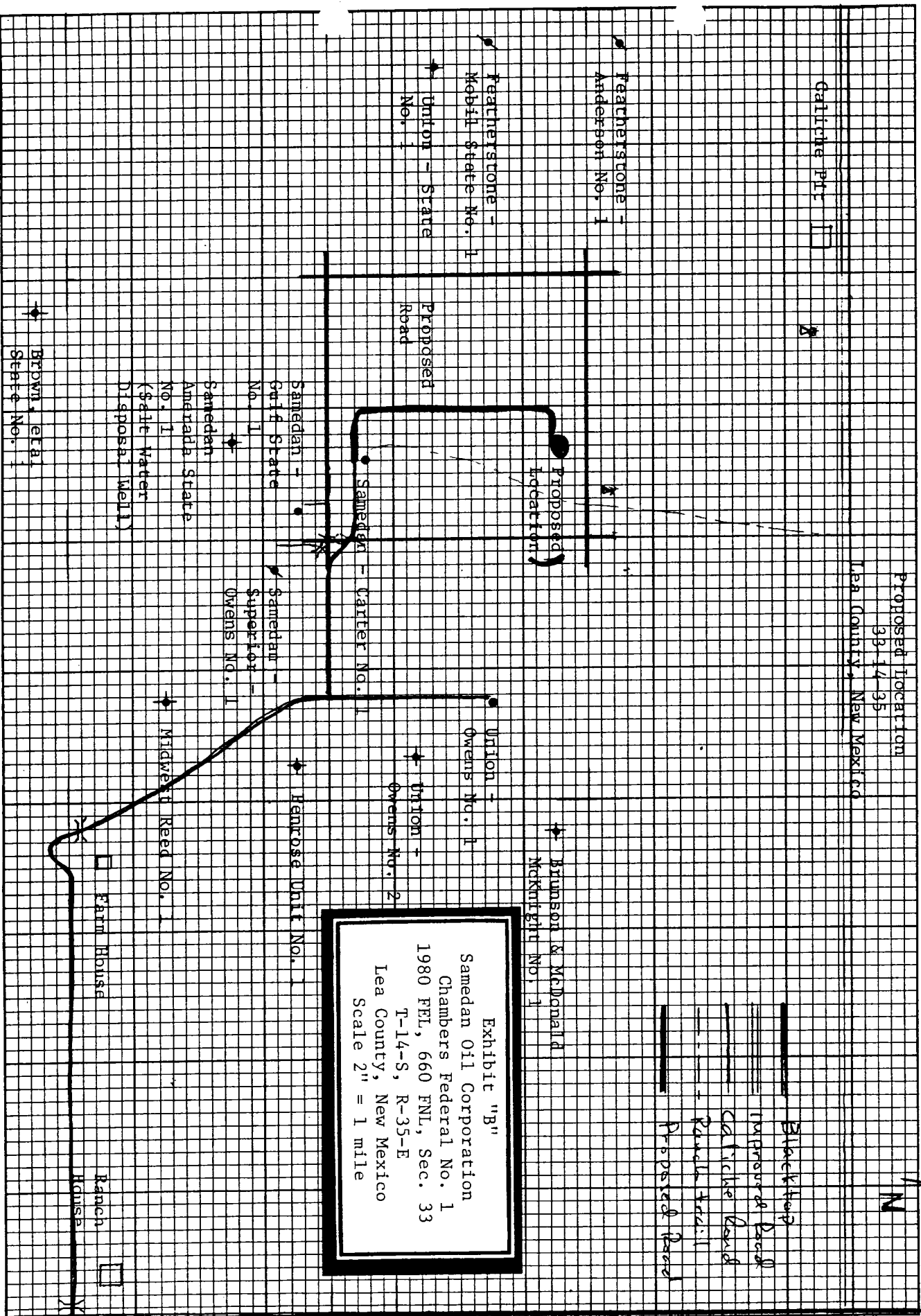


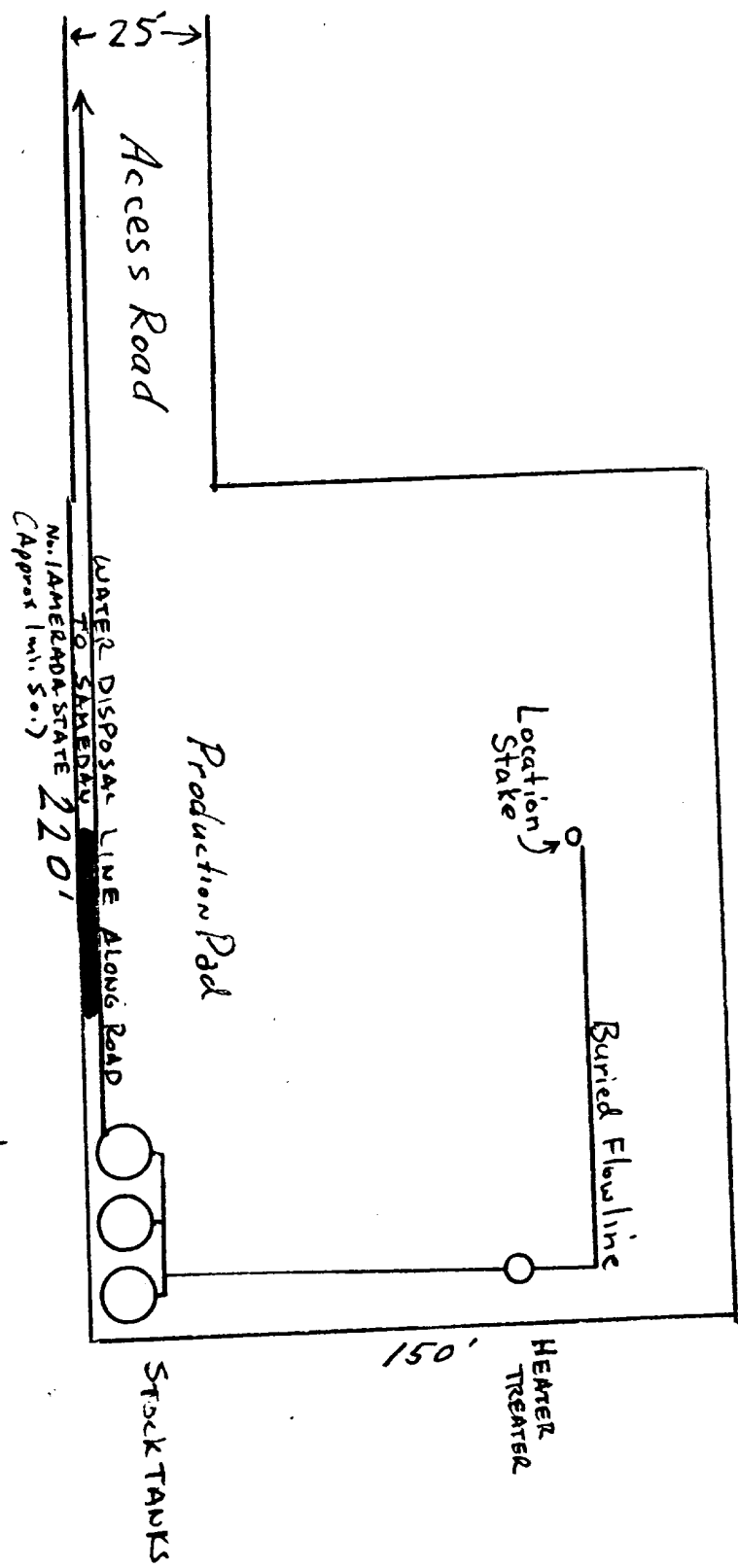
Exhibit "A"
Samedan Oil Corporation
Chambers Federal No. 1
1980 FEL, 660 FNL, Sec. 33
T-14-S, R-35-E
Lea County, New Mexico
Scale 1" = 4 miles



SAMEDAN OIL CORPORATION - CHAMBERS FEDERAL NO. 1

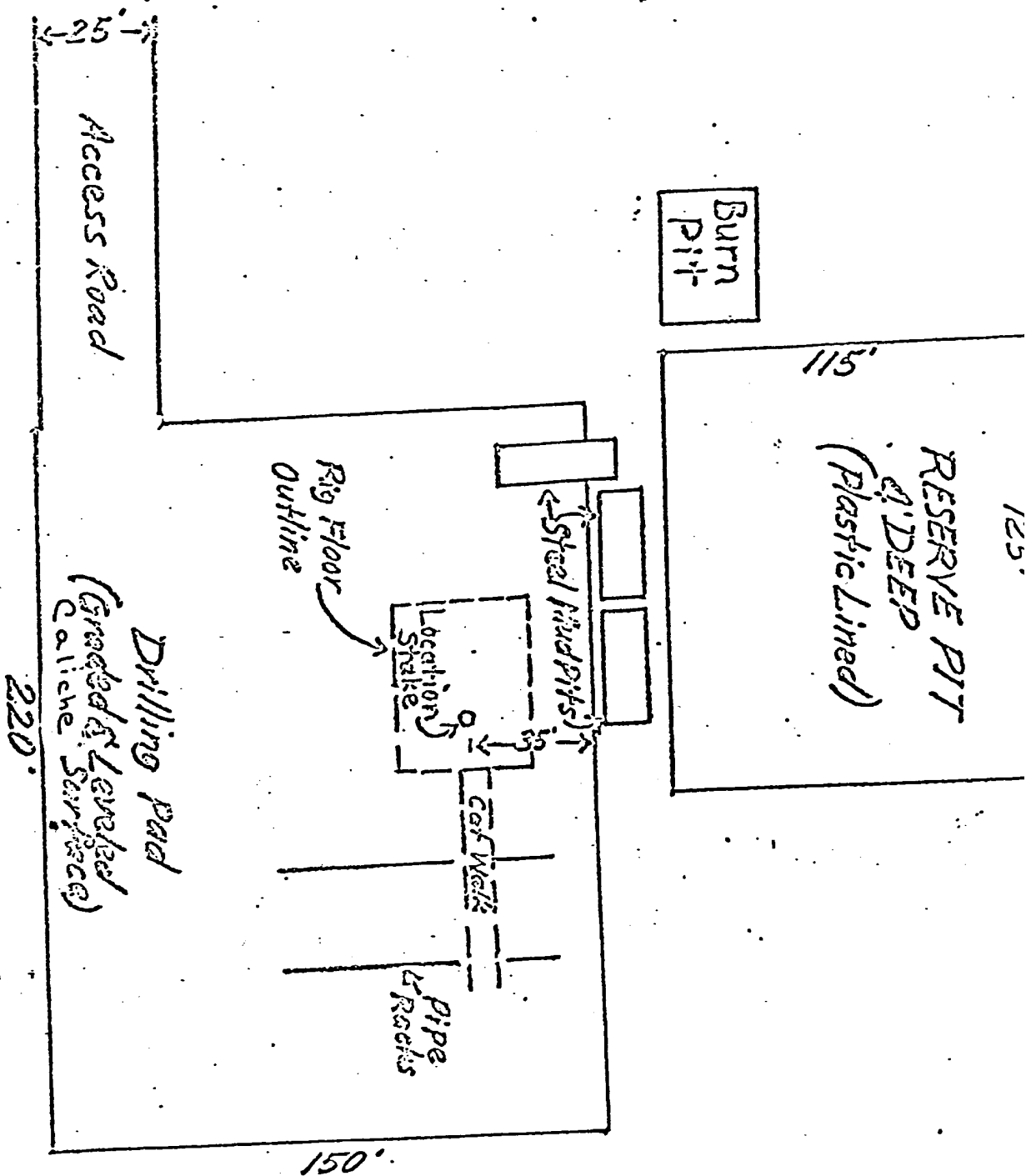


1987



Samedan Oil Corporation
Chambers Federal No. 1
1980 FEL & 660' FNL
Sec 33 T-14-S R-35-E
Lea County, New Mexico

Exhibit "C"
Samedan Oil Corporation
Chambers Federal No. 1
1980 FEL, 660 FNL, Sec. 33
T-14-S, R-35-E
Lea County, New Mexico
Scale 1" = 50 feet



Samedan Oil Corporation
 Chambers Federal No. 1
 1980' FEL + 660' FNL
 Sec. 33, T-14-S, R-35-E
 Lea County, New Mexico

Exhibit "D"
 Samedan Oil Corporation
 Chambers Federal No. 1
 1980 FEL, 660 FNL, Sec. 33
 T-14-S, R-35-E
 Lea County, New Mexico
 Scale 1" = 50 feet

SAMEDAN OIL CORPORATION
WELL PROGRAM SHEET

WELL: Chambers Federal No. 1

FIELD: Wildcat - NE Morton Area, 8 miles NW Lovington

ESTIMATED

TOTAL DEPTH: 10,600 ft.

OBJECTIVE: Wolfcamp

1. LOCATION: NE/4 Sec. 33, T-14-S, R-35-E, Lea County, New Mexico
1980' FEL & 660' FNL.
2. ELEVATION: 4013.6 G.L.
3. MEASUREMENTS:

All measurements will be taken from the Kelly Bushing. The permanent datum will be the bradenhead flange. The distance from the bradenhead flange to the Kelly Bushing will be recorded on the logs and drilling report. An instrument will be utilized to record drilling time.

4. HOLE SIZE: 0 - 460' - 17 1/2"
 460 - 4700' - 12 1/4"
 4700 - 10600' - 7 7/8"

5. HOLE DEVIATION:

Maximum allowable hole deviation will be 5°, limited to 1 1/2° per 100 ft. Deviation Surveys will be run at least once every 500 ft. and reported on daily drilling report.

6. ESTIMATED FORMATION TOPS:

San Andres	4640'	Tubb	7440'	Wolfcamp	9,660
Glorietta	6150'	Abo	8170'	Penn - Reef	10,420

7. DRILLING SAMPLES:

Catch one set of 10' samples from 3000' to T.D. Ten foot drilling time to be recorded (orig. & 1 copy) from 1900' to T.D.

8. BLOWOUT PREVENTERS:

Dual ram, 3000 psi W.P. hydraulically operated preventers to be installed on surface & intermediate casing. Hydril to be installed on intermediate and equipped per Samedan's specifications.

9. DRILLING MUD: 0 - 460 Fresh water. Spud mud.

 460 - 4700 Drill out with brine, circulating reserve pit. Maintain viscosity at 32. Use paper as needed for seepage. May use Diesel if needed.

 4700 - 9800 Drill out with fresh water. Pretreat at 5400 with LCM. Control wt. at 8.7 ppG.

9800 - T.D. Mud up with FW gel & CMC. Use shaker to keep solids at minimum. Control wt. at 8.7ppg. VISC 36 - 38. WL 10 - 12 cc. Complete lost circulation can be expected at 10,400 - 10,500.

10. CASING PROGRAM:

<u>Surface</u>	460'	13 3/8"	48#	H-40	STC
<u>Intermediate</u>	2600'	8 5/8"	24#	K-55	STC (Top)
	2000'	8 5/8"	32#	K-55	STC
<u>Oil String</u>	5 1/2" casing string to be designed				

11. CEMENTING:

<u>Surface Casing</u>	Run surface casing with Texas Pattern guide shoe, baffle plate, and three centralizers. Cement with 400 sacks Class "C" with 2% CaCl. WOC. 12 hours. Pressure test BOP and casing to 1000 psi for 30 min.
<u>Intermediate</u>	Run 8 5/8" casing with Texas Pattern guide shoe, float collar, and three centralizers. Cement with 300 sacks Class "H" with 2% CaCl. WOC 18 hours. Pressure test BOP and casing to 1500 psi for 30 mins.
<u>Oil String</u>	To be developed

12. LOGGING: BHC Acoustic
Dual Induction

13. FORMATION TESTING: DST - Wolfcamp 10,400 - 10,600

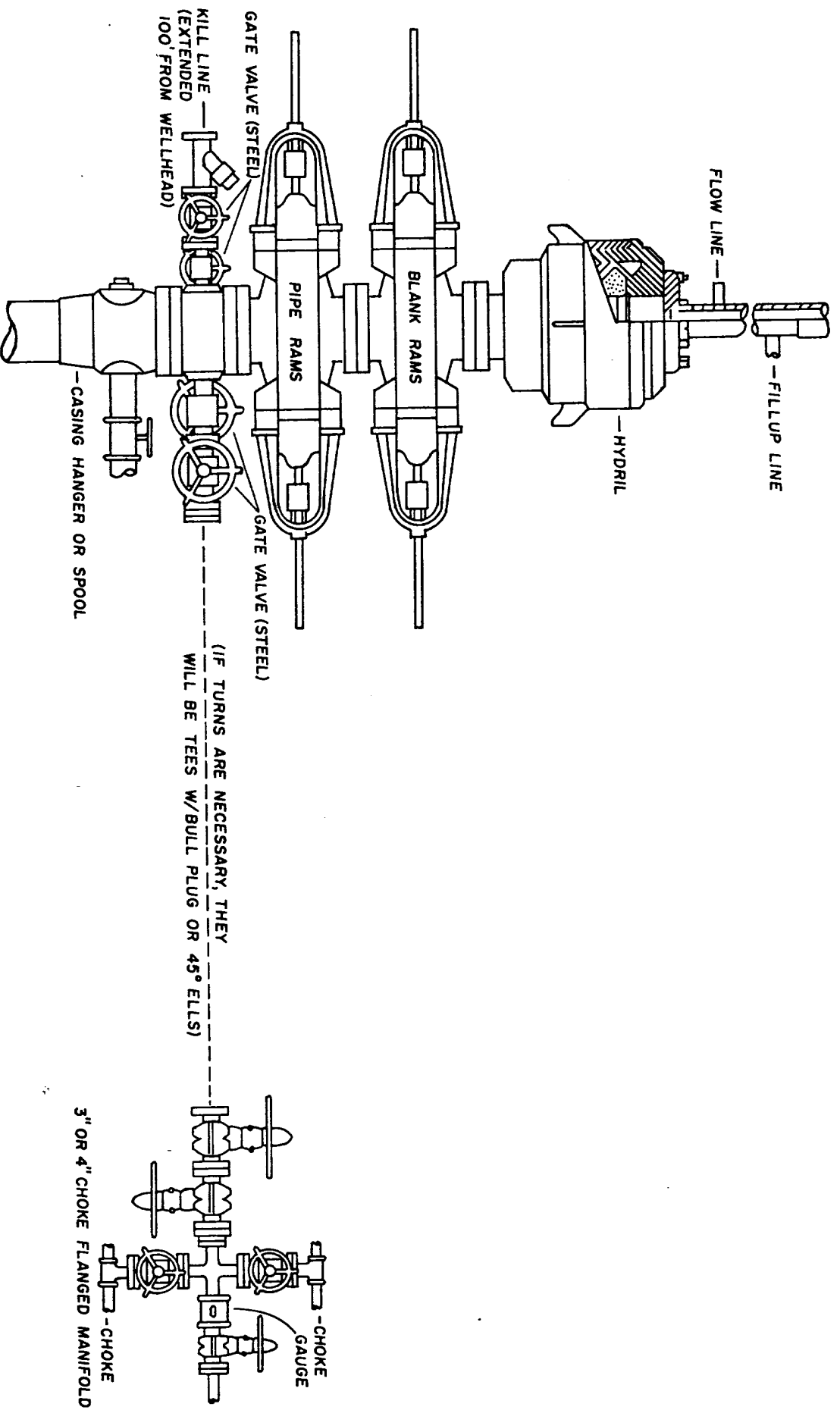
14. CORING: None

15. SPECIAL SURVEYS: None

16. COMPLETION PROGRAM: Single completion is anticipated.


Ron L. Mercer, Production Superintendent

BLOWOUT PREVENTER FOR HIGH PRESSURE WELLS (900 SERIES MINIMUM)



SAMEDAN OIL CORPORATION
900 WALL TOWERS EAST
MIDLAND, TEXAS 79701

June 22, 1977

U. S. Geological Survey
P.O. Box 1157
Hobbs, New Mexico 88240

RE: Samedan Oil Corporation
Chambers Federal No. 1
660' FNL & 1980' FEL
Sec. 33, T-14-S, R-35-E
Lea County, New Mexico

Gentlemen:

The surface on which the subject well is proposed
is owned by Mr. William Anderson of Lovington, New Mexico.

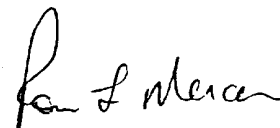
Samedan Oil Corporation and Mr. Anderson have made
an agreement considering damages and restoration of the well-
site and access road.

The restoration includes the following items:

1. Cut and level all reserve pits.
2. Clean up and remove all pieces of
equipment.
3. Dispose of all trash.
4. Level location after moving rig and
accessory equipment.

Sincerely,

SAMEDAN OIL CORPORATION



Ron L. Mercer
Production Superintendent

RLM/vw

U. S. Geological Survey

HOBBS DISTRICT

Samedan Oil Corporation
No. 1 Chambers Federal
NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33-14S-35E
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. 13-3/8" surface casing should be set in the Rustler Anhydrite formation and cement circulated to the surface. If surface casing is set at a lesser depth, the 8-5/8" casing must be cemented from the casing shoe to the surface or cemented to the surface through a stage tool set at least 50 feet below the top of the Rustler, after cementing around the shoe with sufficient cement to fill to the base of the salt section.
7. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.
8. Proposed access road is to be changed in accordance with attached memorandum and as discussed with Mr. Ron Mercer.

UNITED STATES GOVERNMENT

Memorandum

File

DATE:

11 July 77

FROM : CRA Archaeologist

SUBJECT: Archeological Survey

On 8 July 77 an archeological survey was conducted by

Mr. John Botzford for the proposed location

of the 1 Charles Lee Fed well of Samedan Oil Corp.

Location: _____ $\frac{1}{4}$ _____ $\frac{1}{4}$ sec. 33 T. 19S,

R. 3SE. Footages 660'N/1980'E. A foot re-

connaisance of the proposed pad and reserve pits 220 ft.

by 150 ft. and a 5280 ft. road was made.

Comments: A historic ranch site is located 350 feet west of Samedan Center no. 1 oil well. It can best be avoided by construction of new access road straight along the fence line to the south of Center no. 1. instead of from the existing well pad as described in the lease use plan.

SUGGESTED ROUTE FOR
NEW ACCESS ROAD

