

CORRECTED COPY

Form 3160-3
(November 1983)
(formerly 9-331C)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

30-015-26362
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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

Fred Pool Drilling, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1393, Roswell, N.M. 88201

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

At surface

1980' FNL and 660' FWL
At proposed prod. zone

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

17.5 miles N.E. of Carlsbad, N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660

16. NO. OF ACRES IN LEASE

400

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1320

19. PROPOSED DEPTH

5000'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3330' Gr

22. APPROX. DATE WORK WILL START*

May 20, 1990

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	75#	350'	sufficient to circulate
14 3/4"	11 3/4"	47#	1200'	" CIRCULATE
11"	7"	23#	3200'	" [see slips]
6 1/2"	4 1/2"	11.6#	5000'	

Attachments: 1) C-102; form 3160-3

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

Denta Roaf

TITLE Vice President

DATE 4-20-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

RECEIVED

MAY 20 11 21 AM '90

Post ID-1
5-18-90
New Loe & API

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-120
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

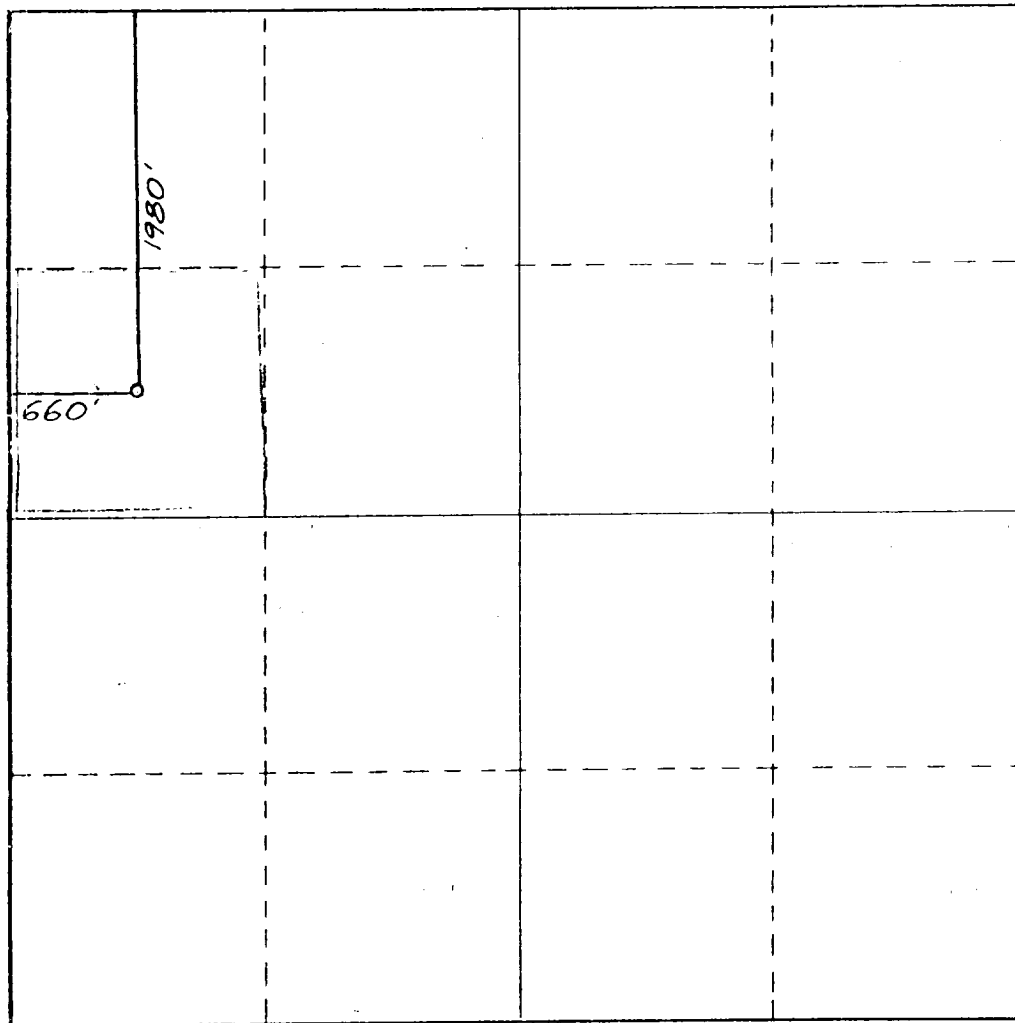
Operator FRED POOL DRILLING, INC.			Lease Ronadero Federal		Well No. 3
Unit Letter E	Section 31	Township 19 South	Range 30 East	County Eddy County, N.M.	
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the West line					
Ground Level Elev. 3330.	Producing Formation Delaware		Pool Wildcat	Dedicated Acreage: 40 Acres	

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

Penta Pool

Name

Vice President

Position

Fred Pool Drilling, Inc.

Company

April 20, 1990

Date

Penta Pool

Date Surveyed

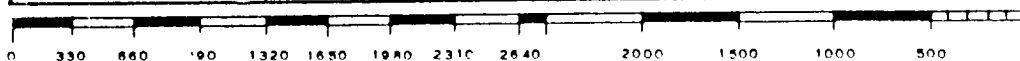
January 26, 1990

Registered Professional Engineer
and/or Land Surveyor

Dan R. Reddy

Certificate No.

NM PE&PS NO, 5412



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SUPPLEMENTAL DRILLING DATA

FRED POOL DRILLING, INC.
RONADERO FEDERAL NO.3
SW/NW SEC. 31, T19S, R30E
Eddy County, New Mexico

- 1) SURFACE FORMATION: Artesia Group of Permian Age. Elevation 3330.
- 2) ESTIMATED TOPS OF GEOLOGIC MARKERS:
- | | |
|---------------|------|
| Rustler | 340 |
| Base Salt | 1150 |
| Yates | 1300 |
| Seven Rivers | 1610 |
| Delaware Sand | 3515 |
| Bone Spring | 5900 |
- 3) ANTICIPATED POROSITY ZONES:
- | | |
|--------------|--------------|
| Fresh Water | 250 |
| Capitan Reef | 2000 to 3200 |
| Oil and Gas | 3900 to 4800 |
- 4) CASING PROGRAM DESIGN:
- | <u>INTERVAL</u> | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> |
|-----------------|-------------|---------------|--------------|
| 0 - 350 | 16" | 75# | K-55 |
| 0 - 1200 | 11 3/4" | 47# | K-55 |
| 0 - 3200 | 7" | 23# | K-55 |
| 0 - 5000 TD | 4 1/2" | 10.5# | K-55 |
- 5) SURFACE CONTROL EQUIPMENT:
- A double-ram type BOP will be used.
- 6) CIRCULATING MEDIUM:
- Fresh water mud conditioned as necessary for control of viscosity and water loss, except the salt section, which will be drilled with brine water.
- 7) AUXILLIARY EQUIPMENT: None considered necessary.
- 8) TESTING, LOGGING, AND CORING:
- No coring or DST's are planned. A mudlogging unit will be used. Electric logs will include a CNL-FDC and a DLL-RXO with GR and hole caliper.
- 9) ABNORMAL PRESSURES, TEMPERATURES OR CASES: None Anticipated.
- 10) ANTICIPATED STARTING DATE:
- It is planned that operations will commence about May 25, 1990. Duration of drilling, completion, and testing operations could be two to six weeks.

SURFACE USE PLAN
FOR
DRILLING, COMPLETING AND PRODUCING

FRED POOL DRILLING, INC.
RONADERO FEDERAL NO. 3
SW/NW, Sec. 31, T19S, R30E
EDDY COUNTY, NEW MEXICO

LOCATED: 17 air miles Northeast of Carlsbad, New Mexico.

OIL AND GAS LEASE: NM 62210

RECORD LESSEE: Ronadero Company, Inc.

OPERATOR'S AUTHORITY: Designation of Operator from lessee.

BOND COVERAGE: Fred Pool Drilling, Inc. Blanket Bond #AR 7138939.

ACRES IN LEASE: 80 acres.

SURFACE OWNER: U.S. Government with a grazing permit issued to Snyder Ranches, Box 2158, Hobbs, NM 88241

WELL SPACING: 40-acres (Parkway Delaware).

EXHIBITS:

- A. County Road Map
- C. Oil and Gas Map
- D. Sketch of Well Pad

ROAD LOG TO PROPOSED DRILLSITE
RONADERO FEDERAL NO. 3

Starting Point is approximately 12.5 miles east of Carlsbad, NM at the junction of US 62 - 180 with NM 31.

- 0.00 Exit US 62-180 to the north and proceed northeast on paved NM-31 for approximately 6.0 miles to the junction of NM-31 and 360.
- 6.00 At this point turn left on county road and continue northwest for 4.0 miles.
- 10.00 Turn left and go south 1/2 mile on dirt road, turn right and go west 1/2 mile on dirt road, turn left and go south again 1/2 mile on dirt road to the start of the proposed new access road.
- 11.50 Go east for 3/4 mile to the well pad, Ronadero Federal No. 1, go North for 1/4 mile to proposed well pad.
- 12.50 Drillsite

FRED POOL DRILLING, INC.
RONADERO FEDERAL NO. 3
SW/NW, SEC. 31, T. 19S, R. 30E

THIRTEEN POINT PROGRAM

- 1) Existing roads: Existing roads which lead to the proposed drillsite are shown on Exhibit "A".
- 2) Proposed New Road: The proposed new road is shown on Exhibits "A" & "B".
- 3) Location of Existing Wells: Existing wells in the vicinity of the proposed drillsite are shown on exhibit "C".
- 4) Location of Existing and/or Proposed Facilities: This is a new lease and production facilities will be placed on the well pad.
- 5) Location and Type of Water Supply: Fresh water will come from a water supply well 1/4 mile south. Brine water will be purchased.
- 6) Source of Construction Materials: Materials needed for construction of the wellpad and road will be obtained from material found in place.
- 7) Methods of Handling Waste Disposal:
 - A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during tests will be disposed of in the drilling pits.
 - D. Oil produced during tests will be stored in test tanks until sold.
 - E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".
 - F. All trash and debris will be buried or removed from the wellsite within 45 days after finishing drilling and/or completion operations.
- 8) Ancillary Facilities: None Anticipated.
- 9) Wellsite Layout:
 - A. The wellsite has been surveyed and a 400' x 400' area has been staked and flagged.
 - B. The dimensions and relative location of the drill pad, mud pit, and trash pit with respect to the well bore are shown on Exhibit "D".
 - C. The well pad will be surfaced with material found in place.

10) Plans for Restoration of the Surface:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned.

11) Other Information:

- A. Topography: The undisturbed wellsite is at an elevation of 3330'.
- B. Soil: Top soil at the wellsite is gypsy loam.
- C. Land Type & Use: The vicinity surrounding the drillsite is semi-arid rangeland and its primary use is for grazing and for the production of oil and gas.
- D. Flora: Vegetative cover is sparse. Flora consists primarily of grass interspersed with mesquite and desert weeds.
- E. Fauna: No wildlife was observed, however fauna for this type of habitat normally consists of lizards, snakes, rabbits, rodents, quail, dove and other small birds.
- F. Ponds & Streams: None.
- G. Water Wells: Nearest water well is $\frac{1}{4}$ mile to the South.
- H. Residences & Other Structures: There are no occupied dwellings in the vicinity.
- I. Archaeological, Historical & Cultural Sites: An archaeological survey has been done by Archaeological Survey Consultants; ASC report has been forwarded under separate cover.

12) Operator's Representative: Representative responsible for assuring compliance with the approved surface use plan:

Fred F. Pool, III - Box 1393, Roswell, New Mexico 88202
Phone: office - (505) 623-8202 or home - (505) 622-4818

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 Fred Pool Drilling, Inc. and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.


Fred F. Pool, III - Engineer

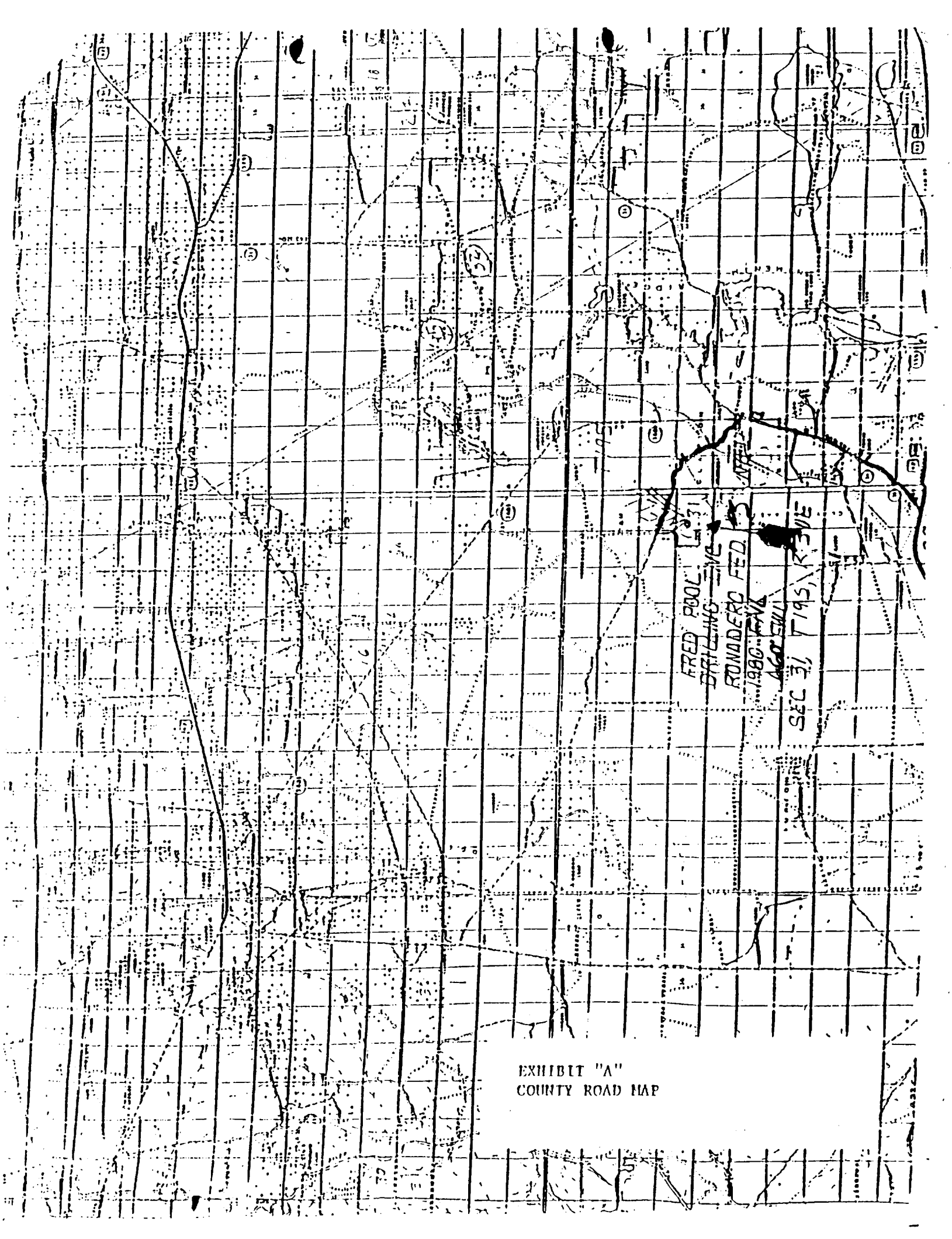
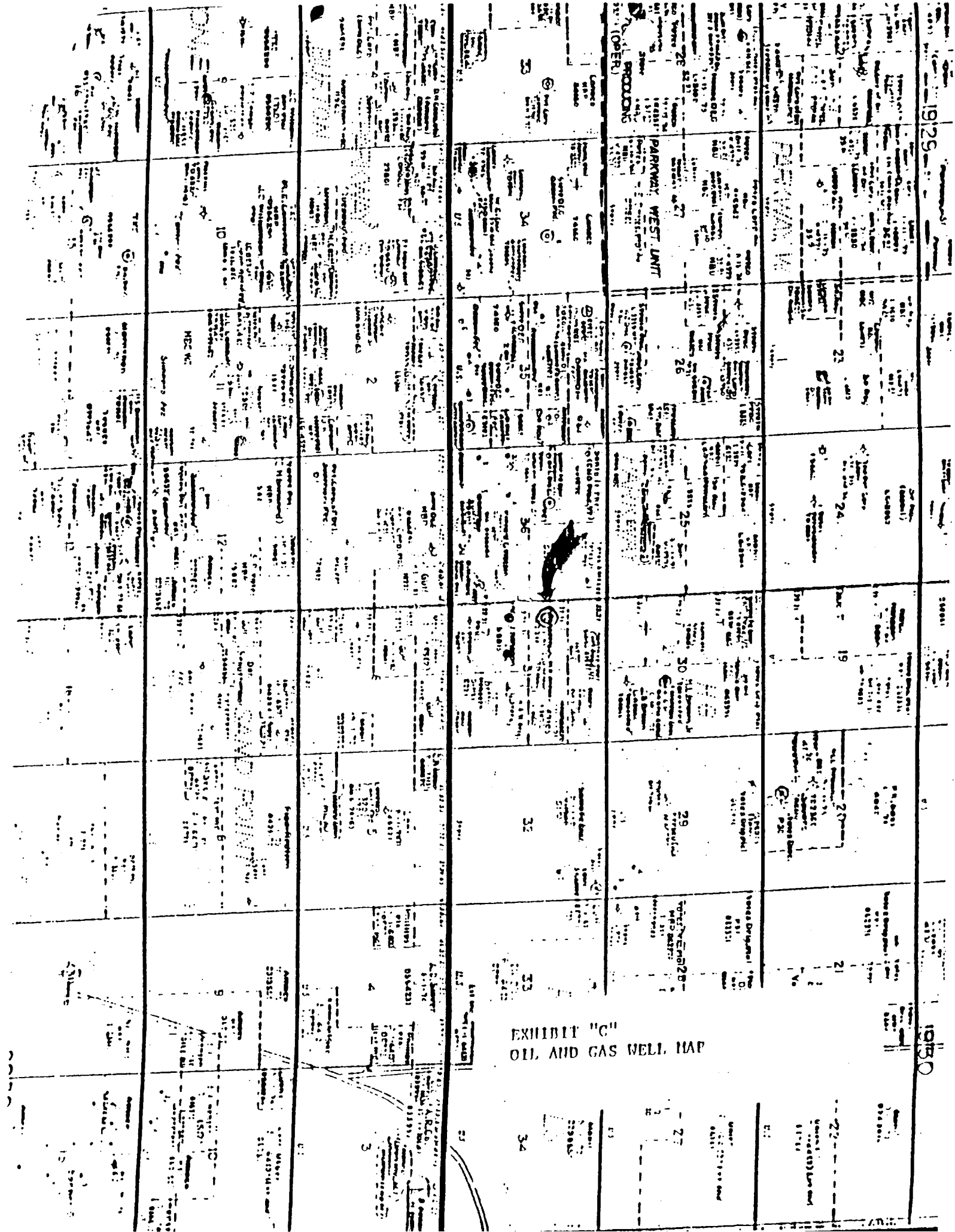


EXHIBIT "A"
COUNTY ROAD MAP

1913

1925

EXHIBIT "C"
OIL AND GAS WELL MAP



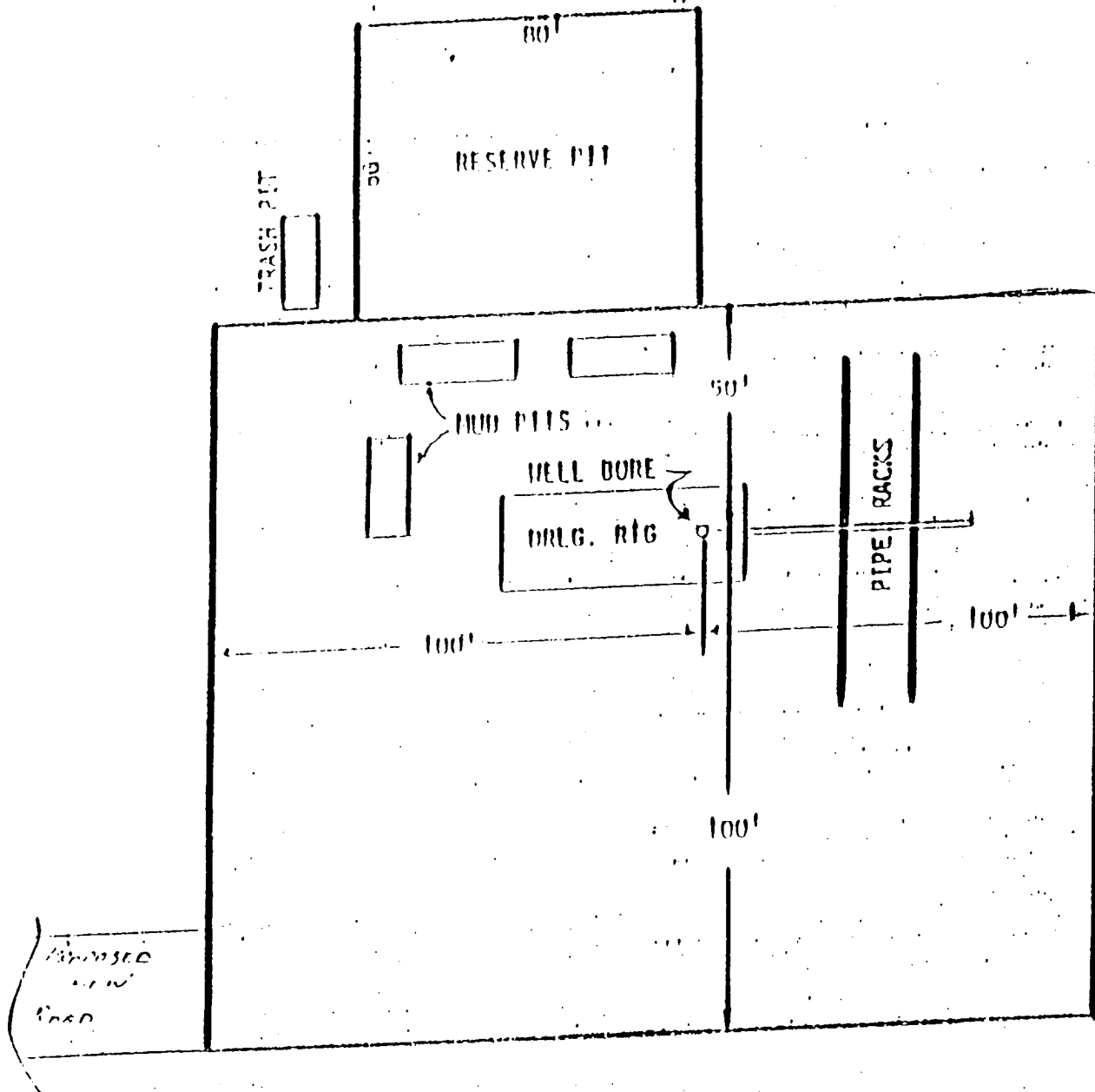
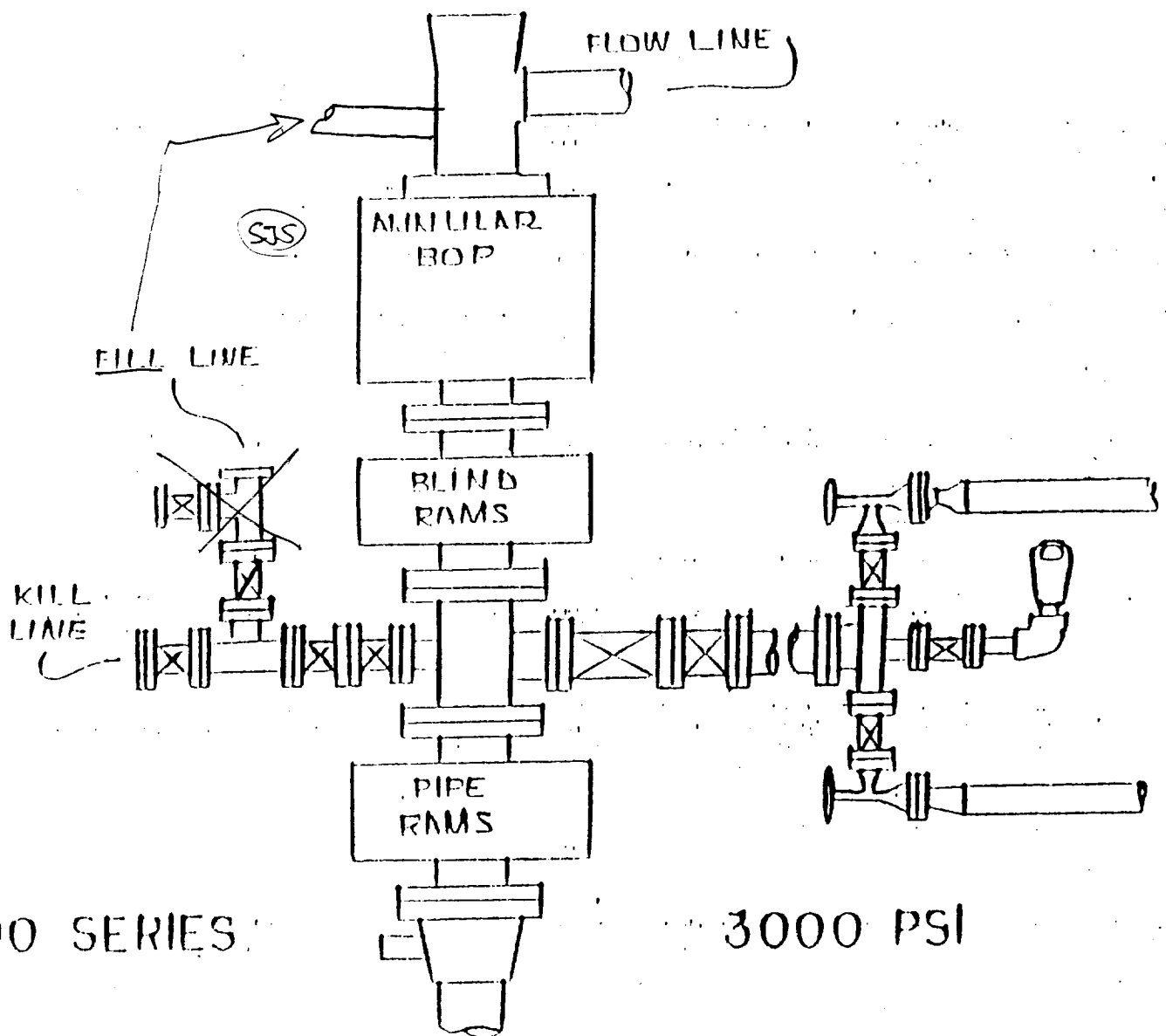


EXHIBIT "D"
SKETCH OF WELL PAD

BOP



900 SERIES

3000 PSI