

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐
SINGLE ZONE ☐ MULTIPLE ZONE ☐

3. NAME OF OPERATOR

4. ADDRESS OF OPERATOR

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1980 FSL; 1980 FWL
At proposed prod. zone

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

7. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)
1980'

8. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
2640'

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

3321 Gr

10. 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'	" CIRCULATE
6 1/2"	4 1/2"	11.6#	9000'	850 sx

Attachments: 1) C-102

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

SEP 28 11 33 AM '89
CARLSBAD RESOURCE AREA

RECEIVED
POSTED
APR 10 1989

11. 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 prevention program, if any.

SIGNED Santa Pool TITLE Vice-Pres. DATE 9-26-89

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

CARLSBAD RESOURCE AREA

APPROVED BY Sandra Fuentes TITLE DATE 10-23-89

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

Form C-102
Supersedes C-128
Effective 1-1-65

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

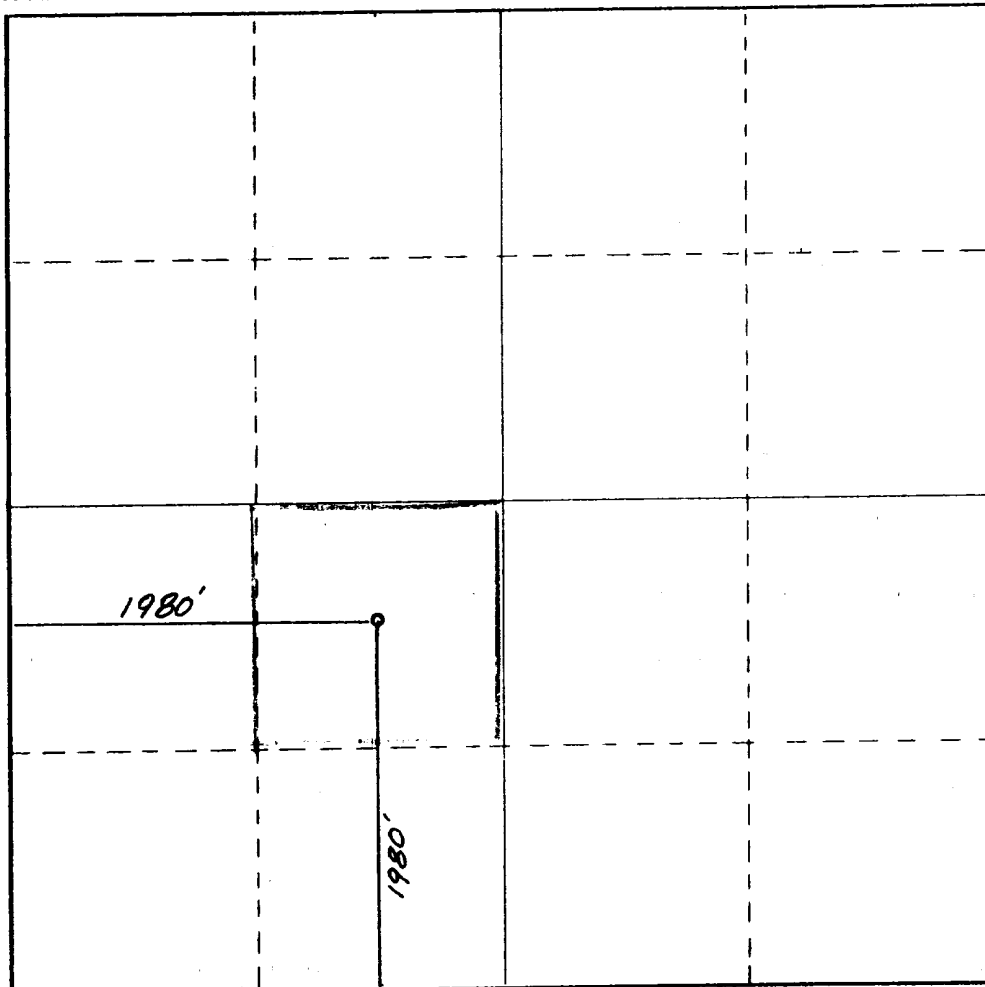
Operator FRED POOL DRILLING, INC.			Lease Ronadero Federal		Well No. 2
Section Letter K	Section 31	Township 19 South	Range 30 East	County Eddy County, N.M.	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1980 feet from the South line and 1980 feet from the West line </div>					
Ground Level Elev. 3321.	Producing Formation Bone Springs	Pool WC	Dedicated Acreage: 40 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 _____

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

Penta Pool

Position

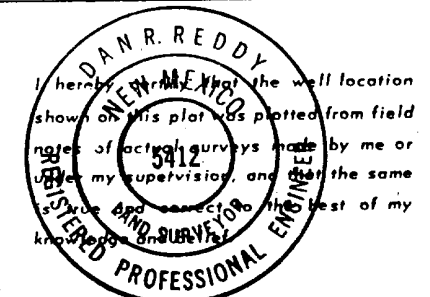
Vice President

Company

Fred Pool Drilling, Inc.

Date

Sept. 19, 1989



Date Surveyed

September 15, 1989

Registered Professional Engineer
and/or Land Surveyor

Dan R. Reddy

Certificate No.

NM PE&LS NO. 5412

NOTICE OF STAKING

(Not to be used in place of Application for Permit to Drill Form 3160-3)

1. Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (Specify) _____		6. Lease Number NM 58815	
2. Name of Operator: FRED POOL DRILLING, INC.		7. If Indian, Allottee or Tribe Name	
3. Name of Specific Contact Person: SONNY POOL		8. Unit Agreement Name	
4. Address & Phone No. of Operator or Agent P. O. Box 1393/604 N. Richardson Roswell, New Mexico 88201		9. Farm or Lease Name Ronadero Federal	
5. Surface Location of Well 1980' FSL, 1980' FWL Attach: a) Sketch showing road entry into pad, pad dimensions, and reserve pit. b) Topographical or other acceptable map showing location, access road, and lease boundaries.		10. Well No. 2	
		11. Field or Wildcat Name PARKWAY DELAWARE	
		12. Sec., T., R., M., or Blk and Survey or Area Sec. 31, T19S, R30E	
15. Formation Objective(s) DELAWARE	16. Estimated Well Depth 6000 ±	13. County, Parish or Borough Eddy County	14. State N.M.

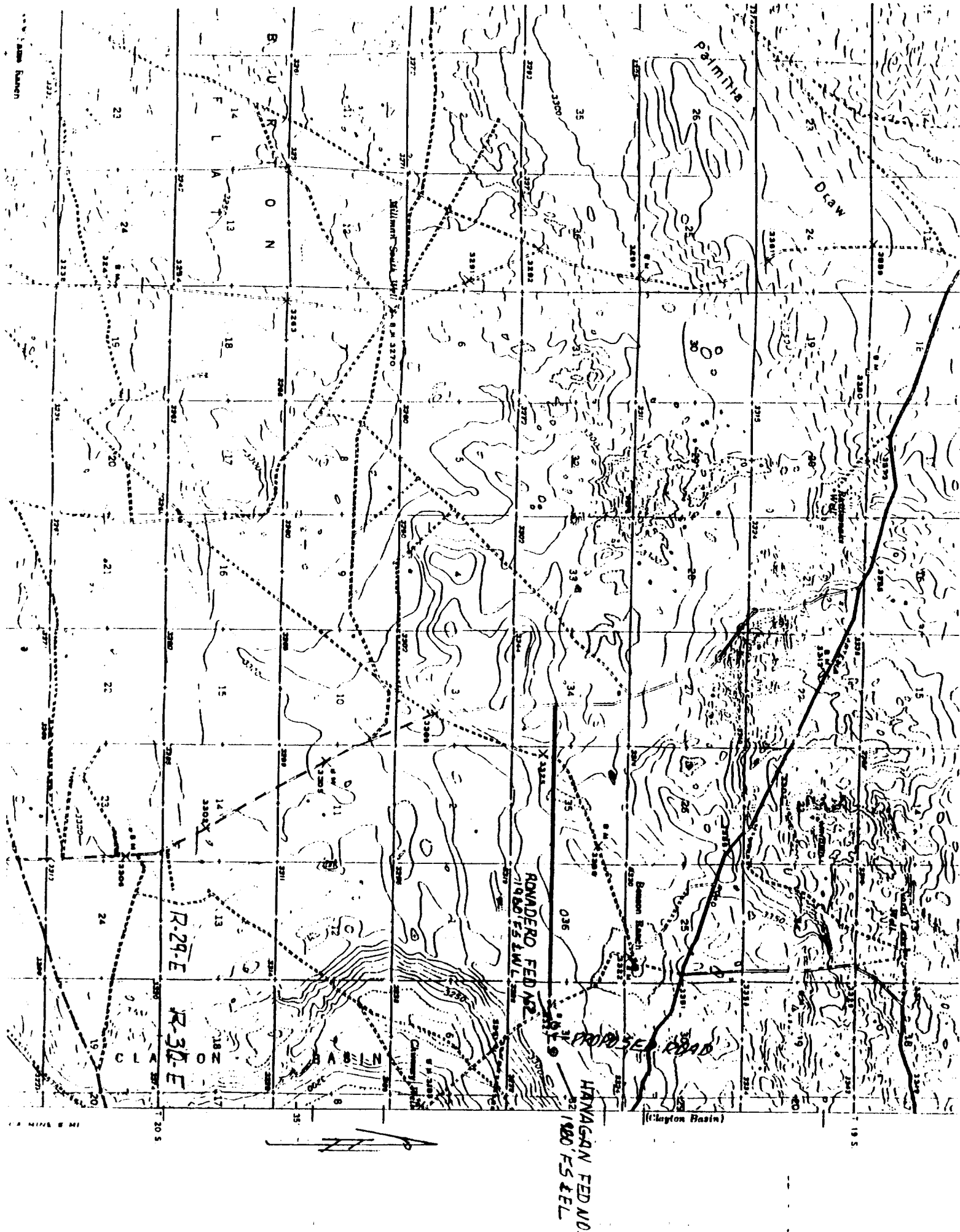
17. Additional Information (as appropriate; must include surface owner's name, address, and telephone number).

18. Signed Dan R. Reddy Professional Engineer
Title & Land Surveyor Date 9/18/89
DAN R. REDDY FOR SONNY POOL

Note: Upon receipt of this Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operators must consider the following prior to the onsite:

- a) H2S Potential
- b) Cultural Resources (Archeology)
- c) Federal Right of Way or Special Use Permit



RECEIVED

SUPPLEMENTAL DRILLING DATA

FRED POOL DRILLING, INC.
RONADERO FEDERAL NO. 2
NE/SW, SEC. 31, T19S, R30E
EDDY COUNTY, NEW MEXICO

OCT 3 10 34 AM '89

CARL J. JONES
AREA GEOL. ENGINEER

- 1) SURFACE FORMATION: Artesia Group of Permian Age. Elevation 3321.
- 2) ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler	350
Base Salt	1160
Yates	1310
Seven Rivers	1620
Delaware Sand	3525
Bone Spring	5910
- 3) ANTICIPATED POROSITY ZONES:

Fresh Water	250
Capitan Reef	2000 to 3200
Oil and Gas	3900 to 4800 and 6000 to 8400
- 4) CASING PROGRAM DESIGN:

<u>INTERVAL</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>
0 - 350	16" 3/4	75#	K-55
0 - 1200	11" 7/8	47#	K-55
0 - 3200	7"	23#	K-55
0 - 9000	4 1/2"	11.6#	N-80
- 5) SURFACE CONTROL EQUIPMENT:

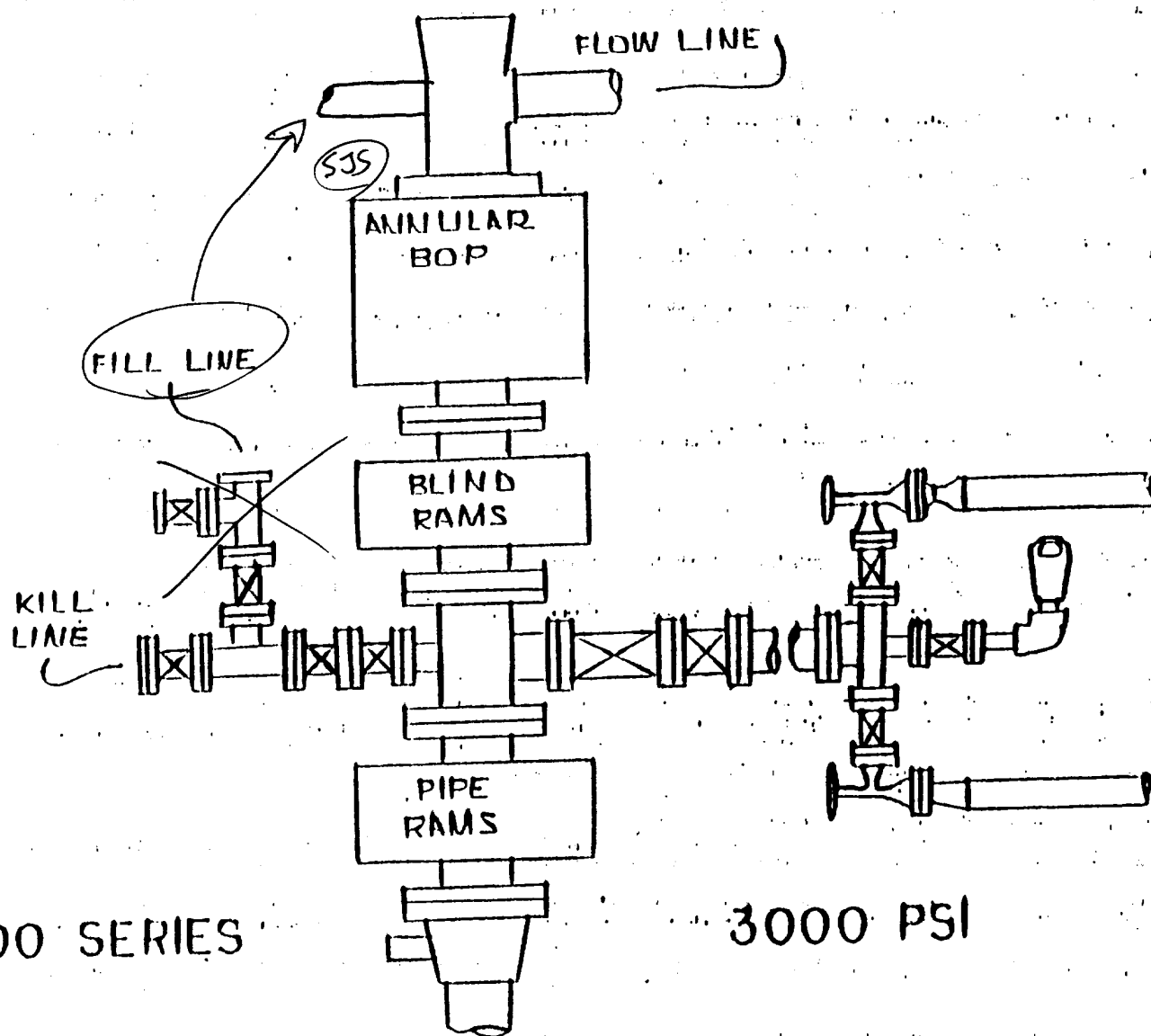
A double-ram type BOP will be used.
- 6) CIRCULATING MEDIUM:

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 GASES: None Anticipated.
- 10) ANTICIPATED STARTING DATE:

It is planned that operations will commence about Nov. 1, 1989. Duration of drilling, completion, and testing operations should be two to six weeks.

BOP



SURFACE USE PLAN

FOR

DRILLING, COMPLETING AND PRODUCING

Fred Pool Drilling, Inc.
Ronadero Federal No. 2
NE/SW, Sec. 31, T19S, R30E
Eddy County, New Mexico

LOCATED: 17 air miles northeast of Carlsbad, New Mexico

OIL AND GAS LEASE: NM 58815

RECORD LESSEE: Nancy Hanagan

OPERATOR'S
AUTHORITY Designation of Operator from lessee

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

ACRES IN LEASE: 400 acres

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

WELL SPACING: 40-acres (Parkway Delaware)

EXHIBITS:

- A. County Road Map & Plat of Proposed New Road
- B. Oil and Gas Map
- C. Sketch of well pad

ROAD LOG TO PROPOSED DRILLSITE
RONADERO FEDERAL NO. 2

Starting point is approximately 12.5 miles east of Carlsbad, N.M. 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 $\frac{1}{2}$ mile on dirt road, turn right and go west $\frac{1}{2}$ mile on dirt road, turn left and go south again $\frac{1}{2}$ mile on dirt road to the start of the proposed new access road.

11:50 Go east for 1 mile to southwest corner of proposed well pad.

12:50 Drillsite.

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: Water for all drilling and completion operations will be obtained from a water supply well located at the Ronadero Federal #1.
- 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 3328'.
- 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 $\frac{1}{2}$ mile to the West..
- 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 is attached.

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

Fred F. Pool, III - P.O. Box 1393, Roswell, N.M. 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.

Date 9-27-89


Fred F. Pool, III - Engineer

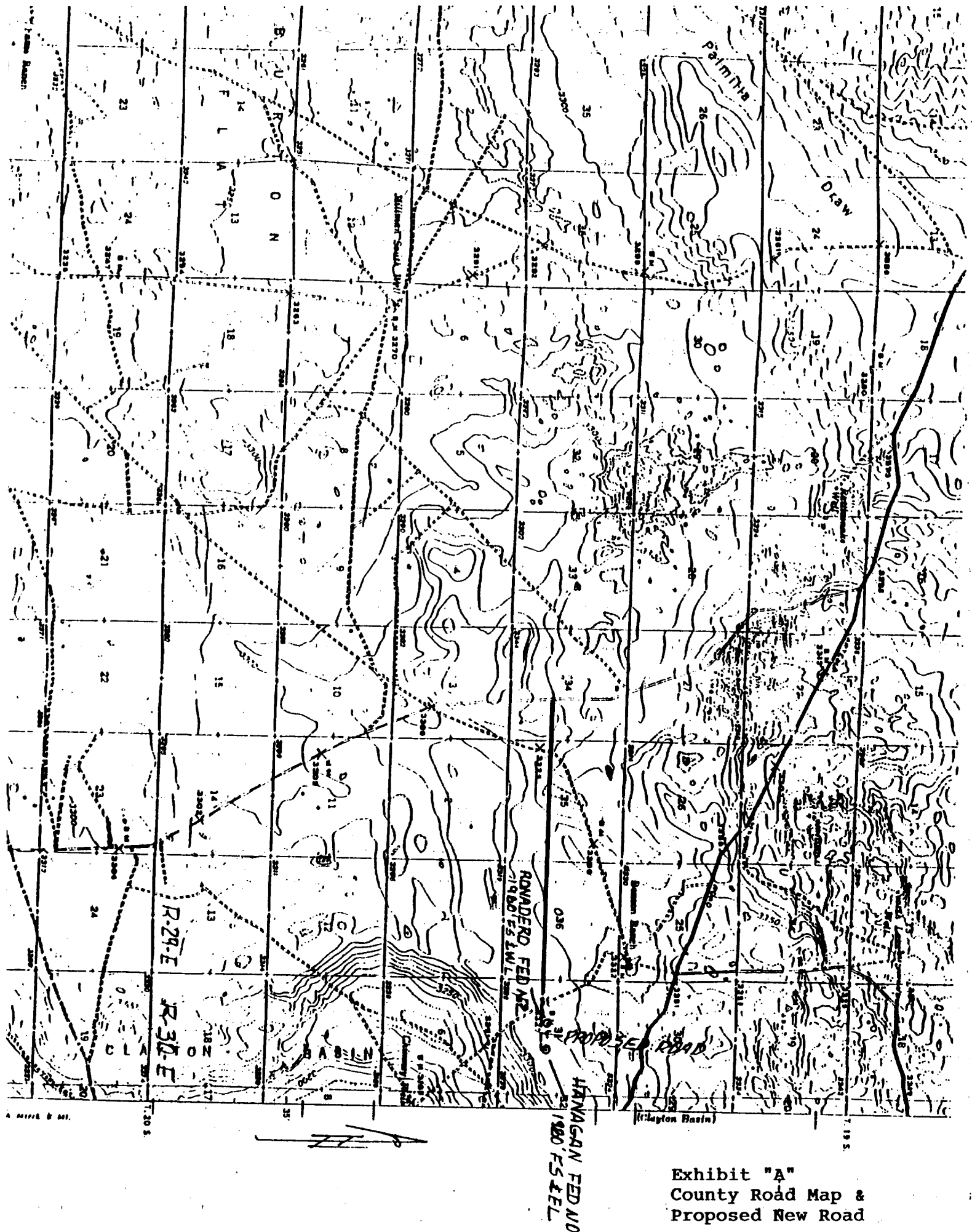
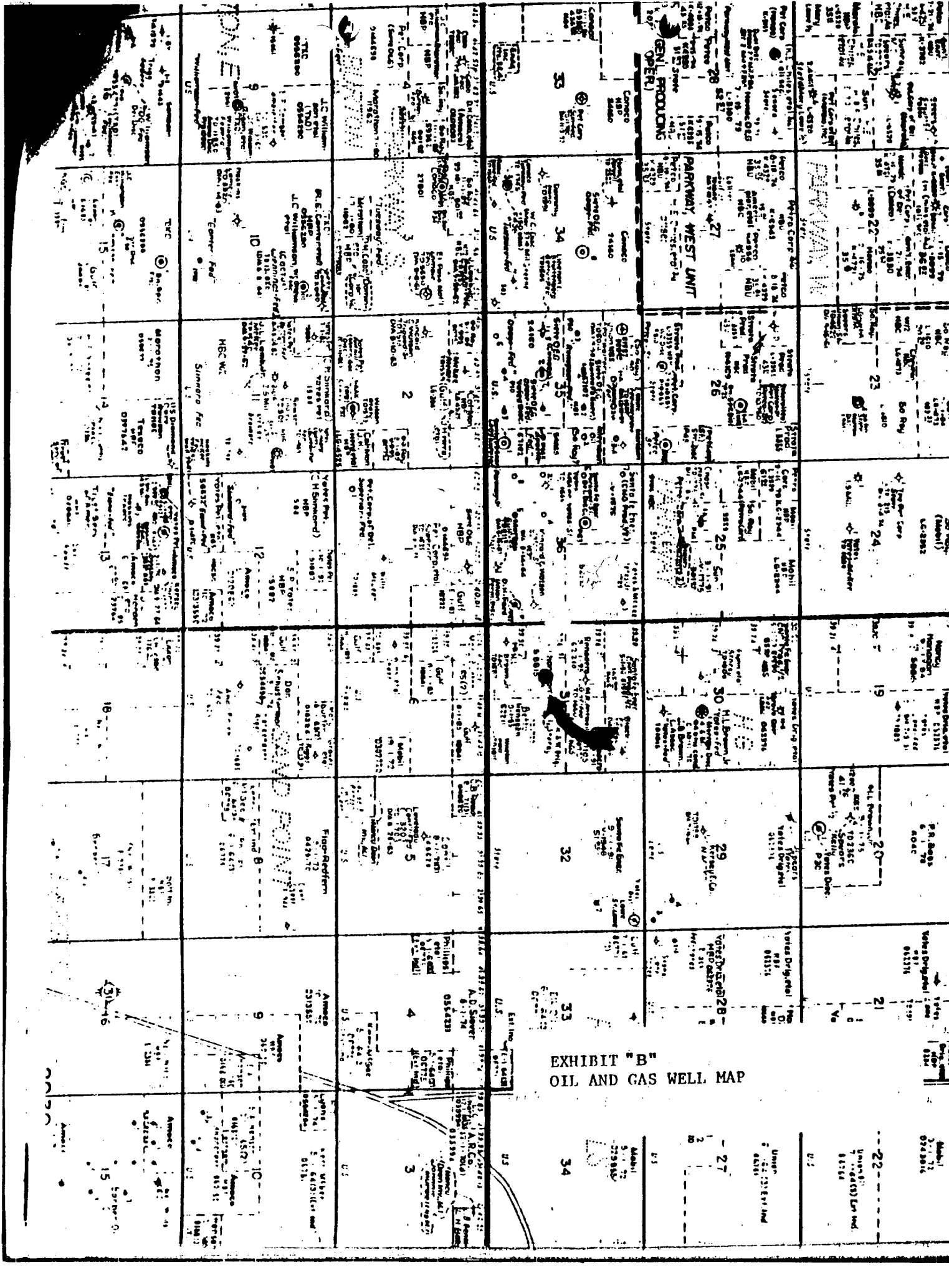


Exhibit "A"
County Road Map &
Proposed New Road

EXHIBIT "B"
OIL AND GAS WELL MAP



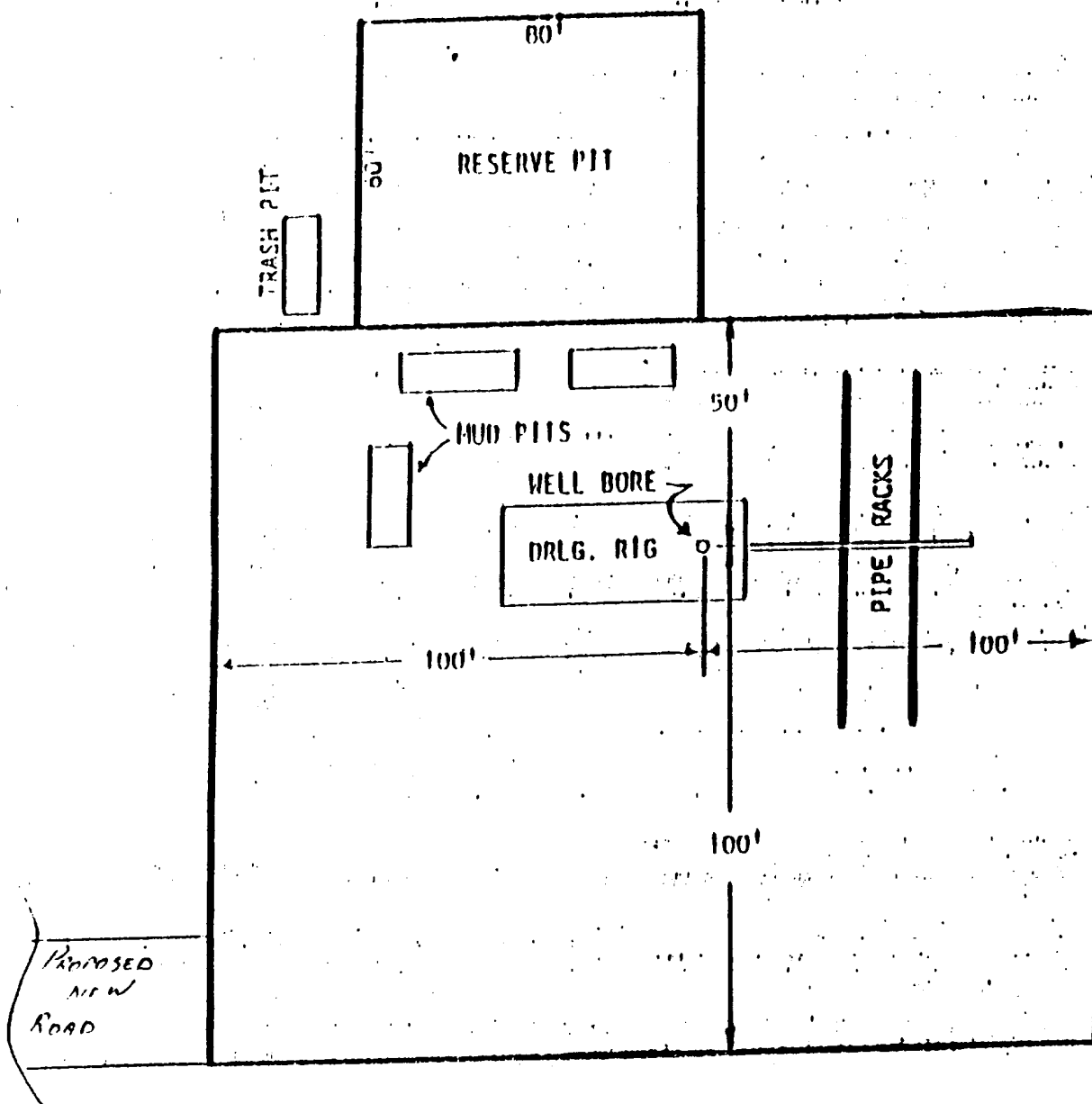


EXHIBIT "C"
SKETCH OF WELL PAD