

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Artesia, NM 88210

NM 58815

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different interval. Use "APPLICATION FOR PERMIT" for such proposals.)

1. ☒ OIL WELL ☐ GAS WELL ☐ OTHER

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. See also space 17 below.)
At surface
1980' FSL, 660' FWL

14. PERMIT NO.
30-015-26161

15. ELEVATIONS (Show whether DP, RT, GR, etc.)
3328' Gr

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true bottom depth for all intervals of work pertinent to this work.)

August 11, 1989: Spud well at 10:00 a.m. with 20" hole.
TD surface hole reached 8:00 p.m.

August 13, Ran 362' of New 16", 75% casing. Cemented with 425 sx Class C, with 2% CaCl₂ POB at 11:15 a.m. Cement did not circulate, Witnessed by Joe Sanchez, BLM staff. Plug down at 11:30 a.m.

tagged cement top at 154' at 3:30 p.m. Recemented thru 1" tubing from 154' to surface with seven stages, using 475 sx Class C with 4% CaCl₂. Circulated 105 sx to surface. WOC 18hrs. Tested casing to 600# with no pressure drop.

August 14, Drilled out from under surface 1:00p.m.

18. I hereby certify that the foregoing is true and correct

SIGNED David R. Glass

TITLE Vice President

DATE August 15, 1989

(This space for Federal or State office use)

(ORIG. SGD.) DAVID R. GLASS

TITLE

DATE

CONDITIONS OF APPROVAL (IF ANY)

RECEIVED

RECEIVED

NM-58815 (PD)
3162.4 (065)

AUG 04 '89

O. C. D.
ARTESIA OFFICE

JUL 27 6 07 AM '89

Fred Pool Drilling, Inc.
P. O. Box 1393
Roswell, New Mexico 88202

JUL 28 1989

Gentlemen:

Your application for Permit to Drill well No. 1 Ronadero Federal in the NW1/4 sec. 31, T. 19 S., R. 30 E. Eddy County, New Mexico, Lease NM-58815, to a depth of 7200 feet to test the Delaware formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the Bureau of Land Management office checked on the attached special stipulation, in sufficient time for a representative to witness all cementing operations.

Sincerely,

Orig. Sgd. David L. Mari

Francis R. Cherry, Jr.
District Manager

Enclosure

cc:
NMOCD, Santa Fe
NM (065, B. Lopez, W. Melton)
NM (067)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OIL & GAS COMMISSION

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. NM 58815
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 Fred Pool Drilling, Inc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1393, Roswell, NM 88202		8. FARM OR LEASE NAME Ronadero Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL & 600' FWL At proposed prod. zone Same		9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17.5 Miles NE of Carlsbad, NM		10. FIELD AND POOL, OR WILDCAT Wildcat, Bone Springs
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Aid to nearest drlg. unit line, if any) 600'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T19S, R30E
16. NO. OF ACRES IN LEASE 400		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4117'		19. PROPOSED DEPTH 7200±
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* 7/1/89
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 3328 GR		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	75#	350'	Suff to Circulate
14 3/4"	11 7/8"	47#	1200'	Suff to Circulate
* 11"	7"	23#	3200'	Suff to Circulate
6 1/2"	4 1/2"	10.5#	7200'	750 sacks

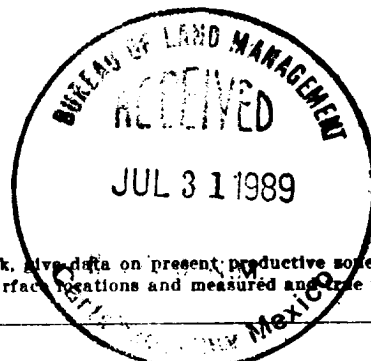
As per conference w/BLM, NMOC, & operator, 7" csg. is to be set & cemented as shown only if Capitan Reef is actually encountered and/or recognized in formation samples.

Attachments:

- 1) C-102
- 2) Supplemental Drilling Data
- 3) Surface Use Plan

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

POST ID-1
N L A P I
8-11-89



RECEIVED
JUL 8 11 17 AM '89

RECEIVED

12. 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: [Signature] TITLE: Engineer DATE: 5/25/89
(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

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.

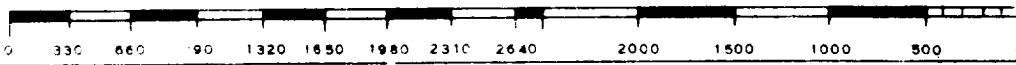
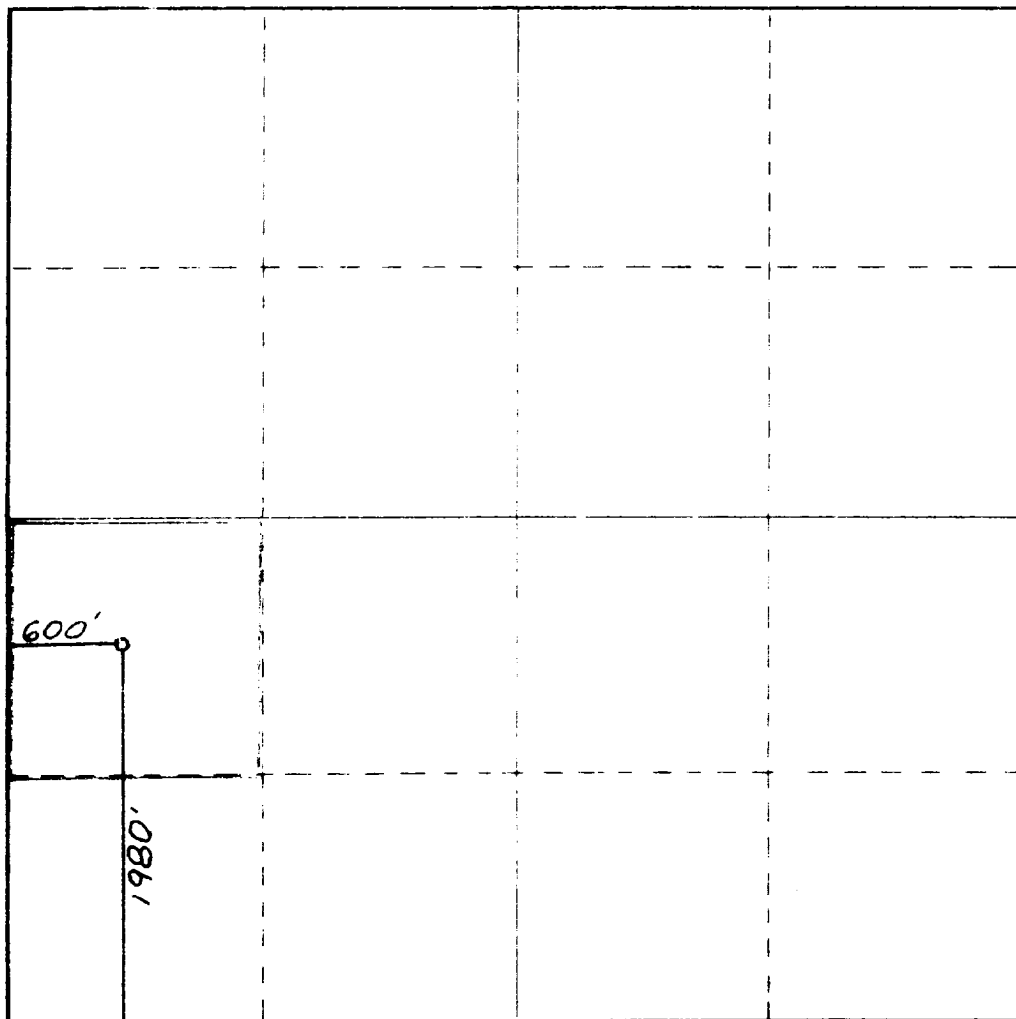
Operator FRED POOL DRILLING, INC.			Lease Ronadero Federal		Well No. 1
Unit Letter L	Section 31	Township 19 South	Range 30 East	County Eddy County, New Mexico	
Actual Well Location of Well: 1980 feet from the South line and 600 feet from the West line					
Ground Level Elev. 3328.	Producing Formation Delaware		Pool Wildcat - Bone Springs		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>Fred F. Pool, III</i> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Fred F. Pool, III Name	
Engineer Position	
Fred Pool Drilling, Inc. Company	
May 15, 1989 Date	
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 9, 1989	
Registered Professional Engineer and/or Land Surveyor <i>Dan R. Reddy</i>	
Certificate No. NM PE&LS NO. 5412	

SUPPLEMENTAL DRILLING DATA

FRED POOL DRILLING, INC.
RONADERO FEDERAL NO. 1
NW $\frac{1}{4}$ SW $\frac{1}{4}$, SEC. 31, T19S, R30E
Eddy County, New Mexico

- 1) SURFACE FORMATION: Artesia Group of Permian Age. Elevation 3328'.
- 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 and 6000 to 7200
- 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 7/8"	47#	K-55
0 - 3200	7"	23#	K-55
0 - 7200 TD	4 $\frac{1}{2}$ "	10.5#	K-55
- 5) SURFACE CONTROL EQUIPMENT:

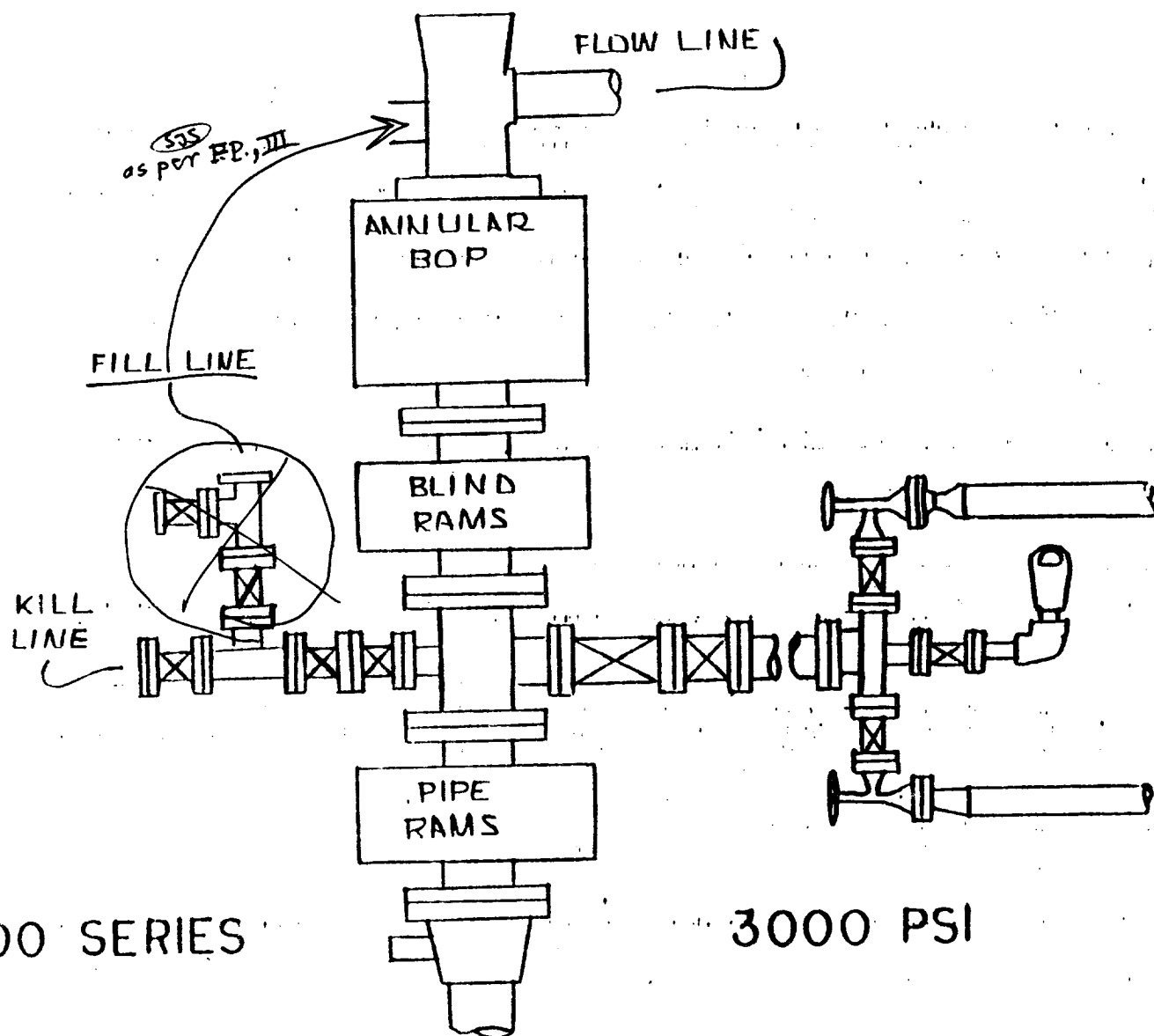
(2M) A double-ram type BOP will be used.
- 6) CIRCULATING MEDIUM:

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) AUXILIARY 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 July 1, 1989. Duration of drilling, completion, and testing operations could be two to six weeks.

BOP



SURFACE USE PLAN
FOR
DRILLING, COMPLETING AND PRODUCING

FRED POOL DRILLING, INC.
RONADERO FEDERAL NO. 1
NW $\frac{1}{4}$ SW $\frac{1}{4}$, 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 Bond #AR 7138939.

ACRES IN LEASE: 400 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
- B. Plat of Proposed New Road
- C. Oil and Gas Map
- D. Sketch of Well Pad

ROAD LOG TO PROPOSED DRILLSITE
RONADERO FEDERAL NO. 1

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 southwest corner of proposed well pad.
- 12.25 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: It is not planned to drill a water supply well. Water for all drilling and completing operations will be purchased from a commercial water vendor.
- 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.

Fred Pool Drilling, Inc.
Ronadero Federal No. 1
Thirteen Point Program

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 1½ mile to the North
- 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 -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.

May 25, 1989


Fred F. Pool, III. Engineer

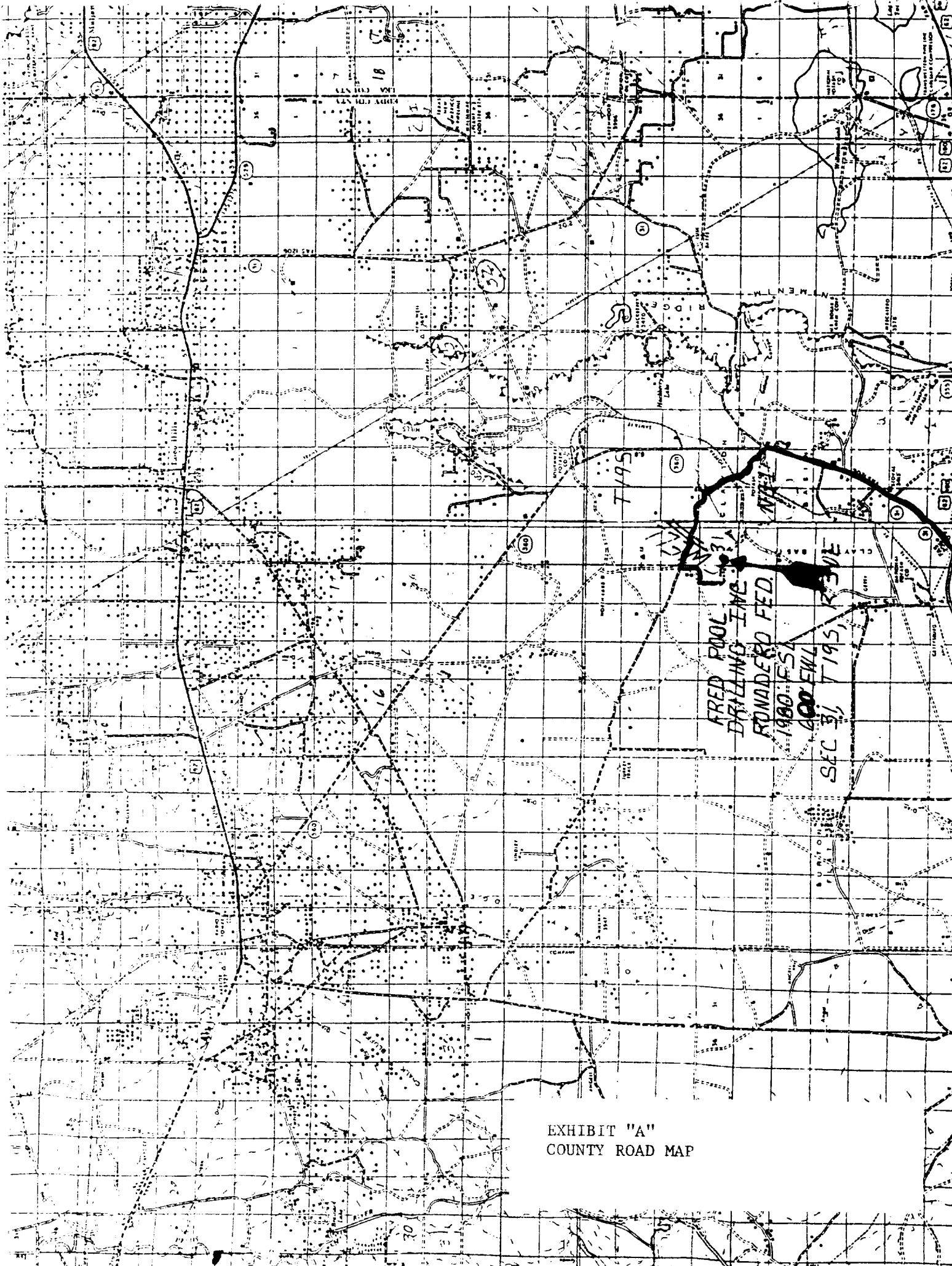


EXHIBIT "A"
COUNTY ROAD MAP

Plat of Survey

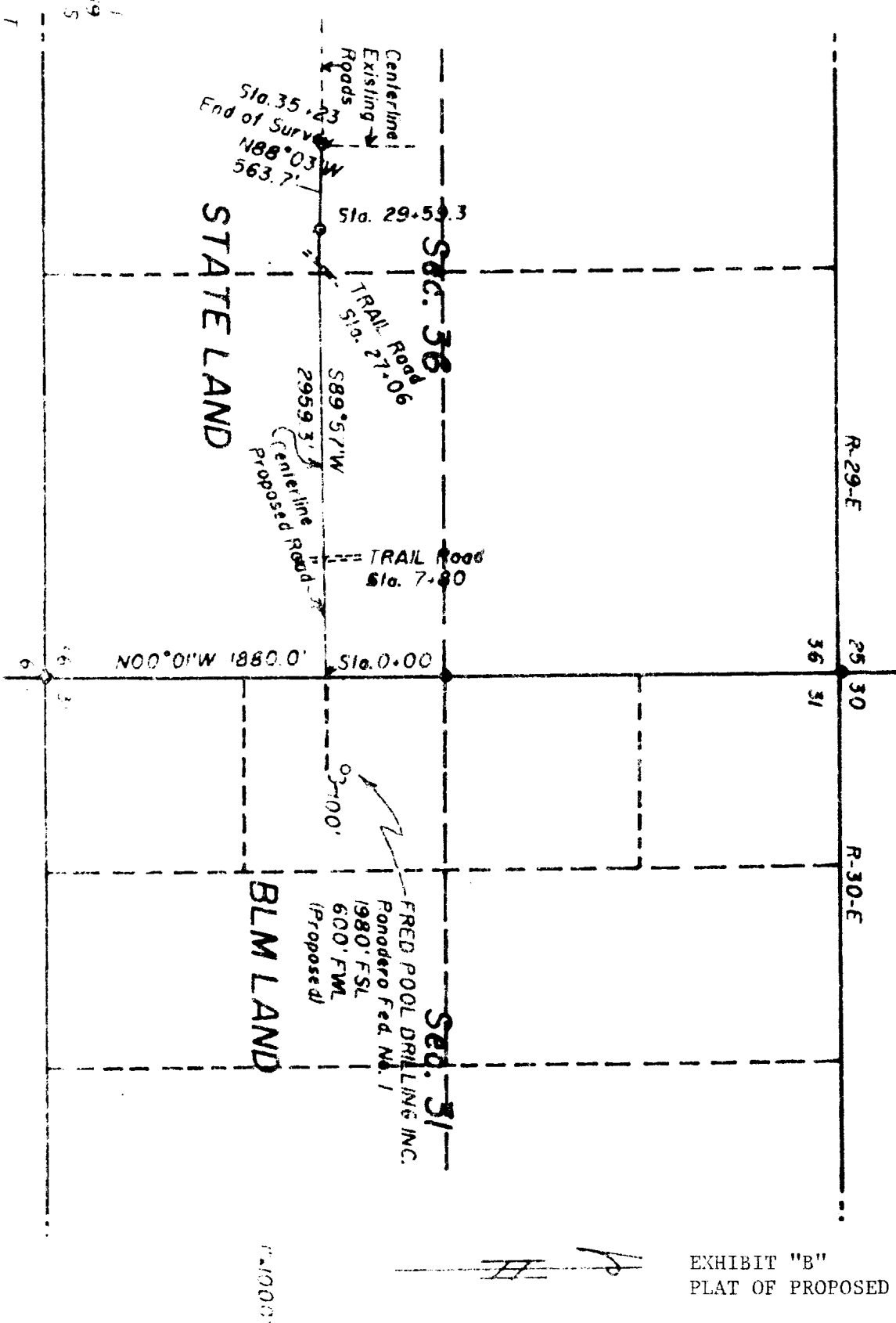
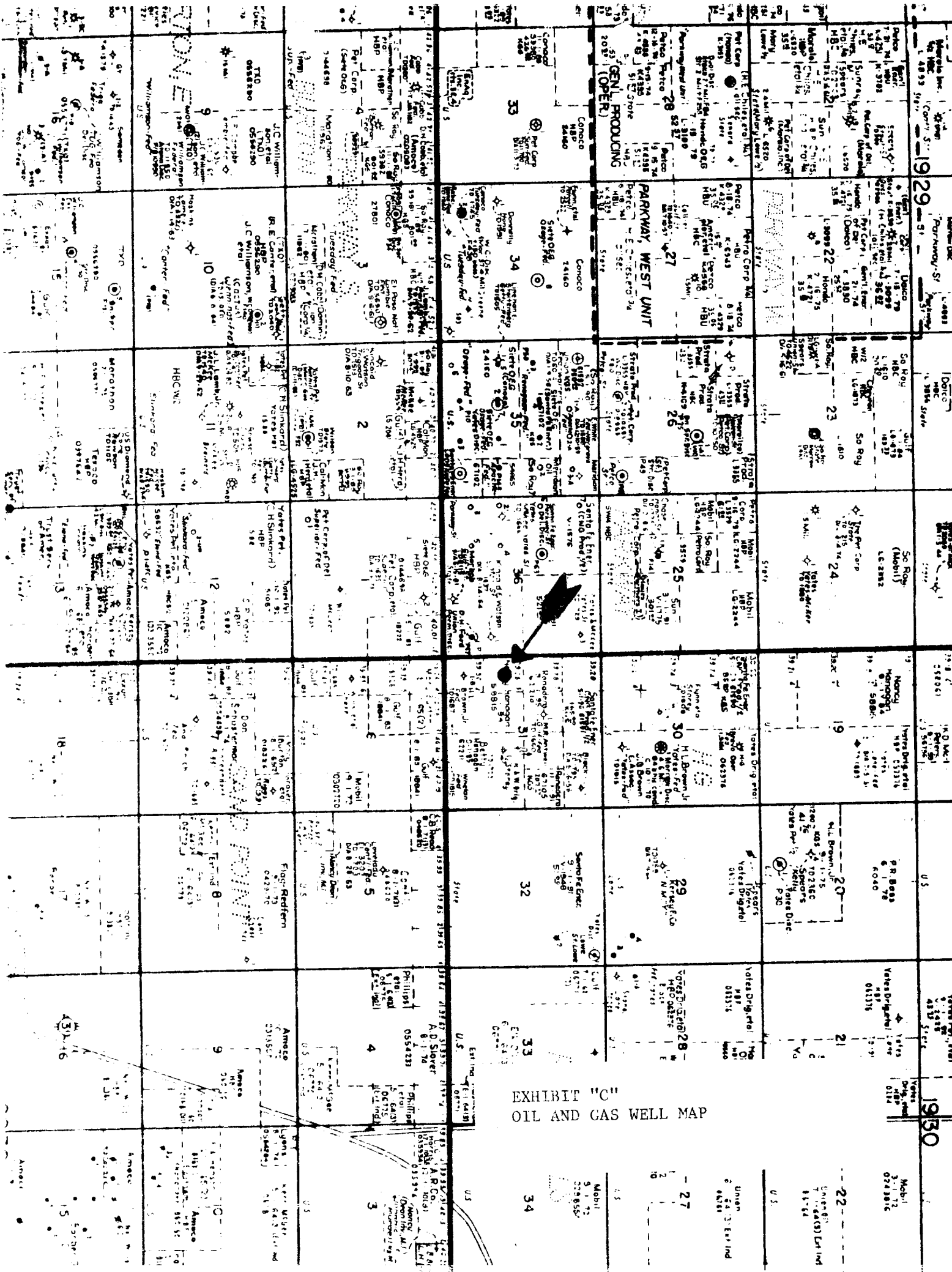


EXHIBIT "B"
PLAT OF PROPOSED NEW ROAD

EXHIBIT "C"
OIL AND GAS WELL MAP



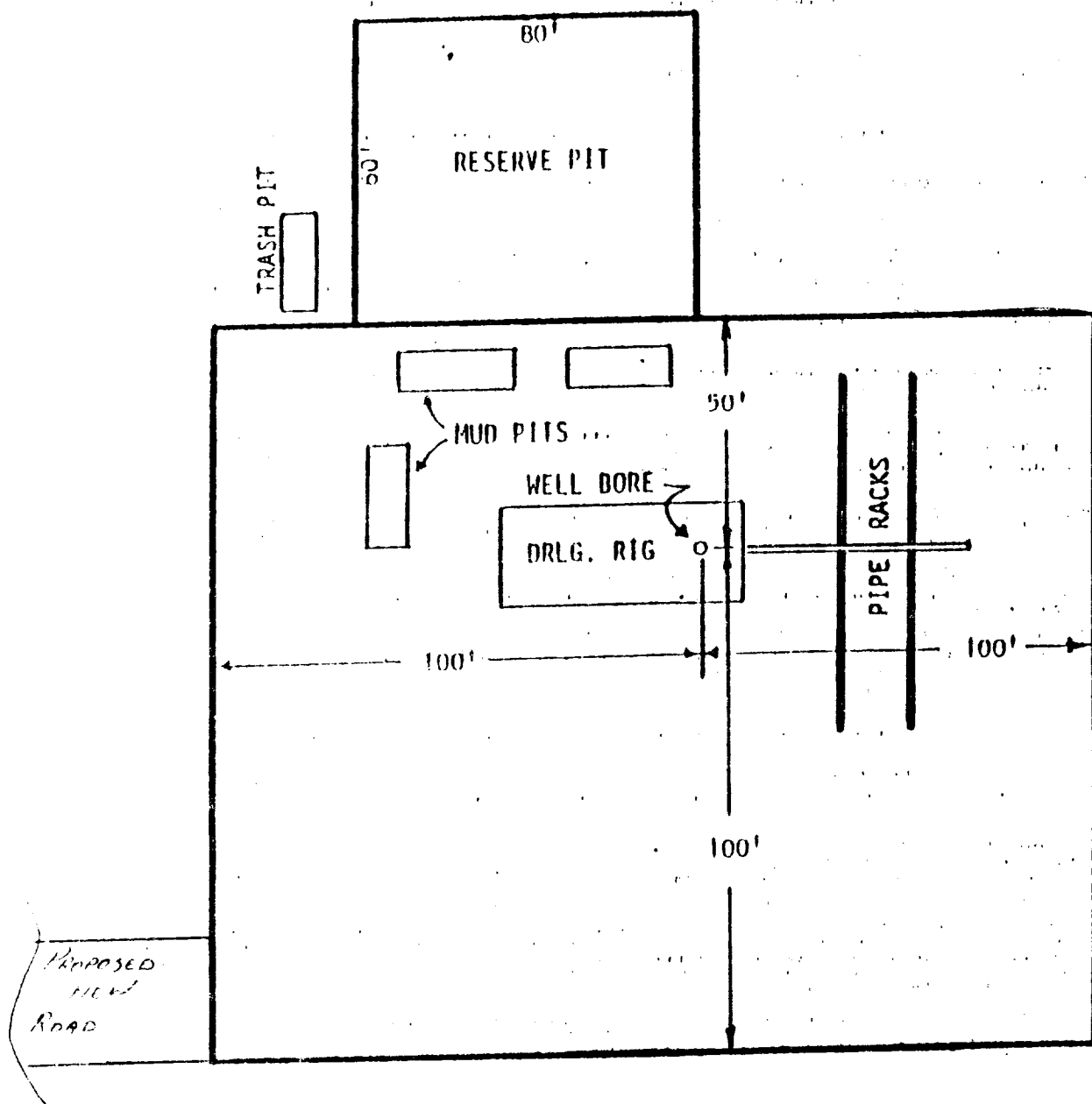


EXHIBIT "D"
SKETCH OF WELL PAD