

RECEIVED BY NE. OIL CONS. COMMISSION
UNITED STATES
NOV 4 DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN APPLICATION
(Other instructions on
reverse side)

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

30-015-25460

5. LEASE DESIGNATION AND SERIAL NO.

L.C. 063622

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

TENNECO FEDERAL

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

North Hackberry-Y, SR

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 29-19S-31E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

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

CANTRO EXPLORATION, INC.

(Bob Green)

(512-826-2981)

3. ADDRESS OF OPERATOR

909 N.E. Loop 410 (Suite 711), San Antonio TX 78209

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

At surface

1650' FNL & 790' FEL of Section.

At proposed prod. zone
same

(Unit H)
(SE 1/4 NE 1/4)

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

14 air miles south-southeast of Loco Hills, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330'

(330')

16. NO. OF ACRES IN LEASE

1080

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

200'

19. PROPOSED DEPTH

2500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3476' G.L.

22. APPROX. DATE WORK WILL START*

November 1, 1985

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"	23#	300'	Circulate to surface
7 7/8"	5 1/2"	14#	2500'	Circulate back into 8 5/8" csg.

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Well Location & Acreage Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

Operator's Authority: Designation of Operator from Tenneco Oil Company,
record lessee, is on file with the BLM, Carlsbad NM

Bond Coverage: Lessee's \$150,000 nationwide bond.

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 James A. Knaut TITLE Agent DATE October 18, 1985
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY Mark Lader TITLE acting
CONDITIONS OF APPROVAL, IF ANY:

DATE 11-1-85
APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*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

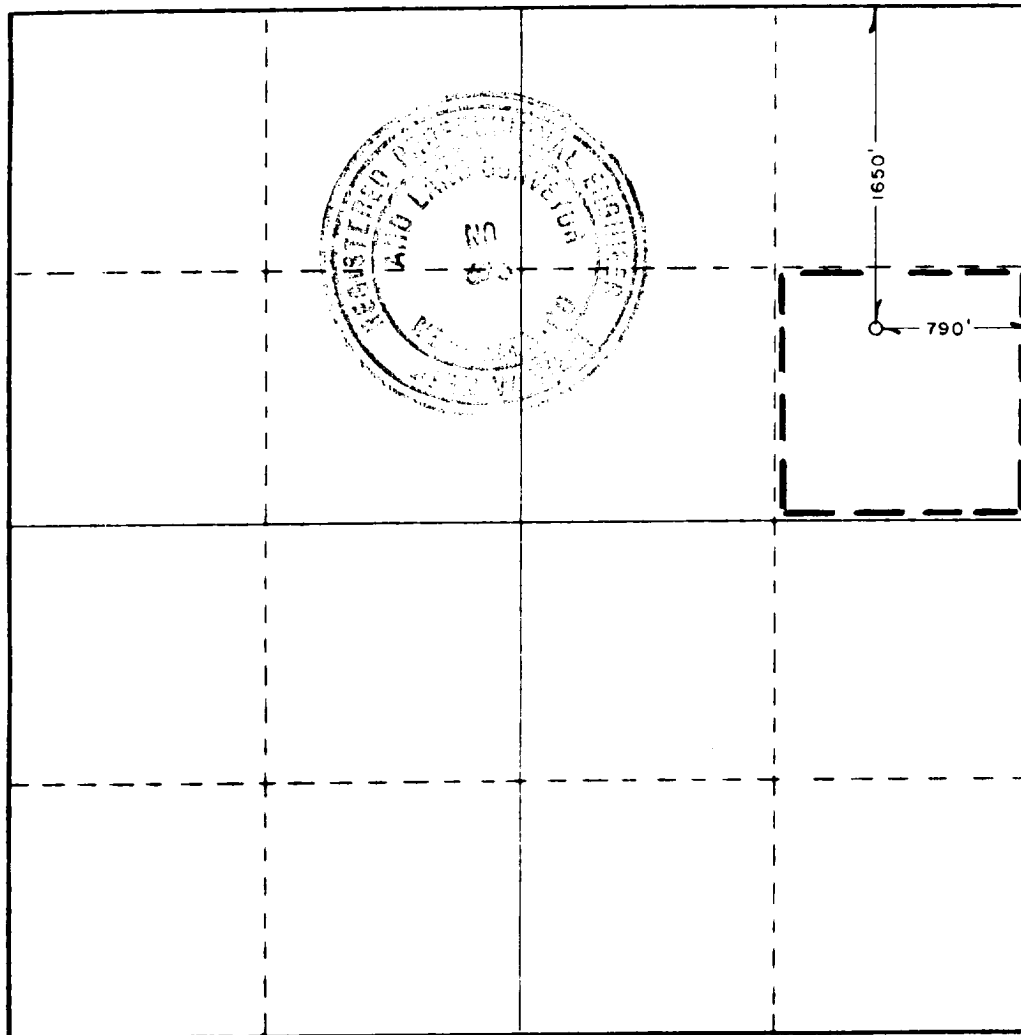
Operator CANTRO EXPLORATION INC.			Lease TENNECO FED.		Well No. 4
Section Letter H	Section 29	Township 19 South	Range 31 East	County EDDY	
Actual Forage Location of Well: 1650 feet from the North line and 790 feet from the East line					
Ground Level Elev. 3,766.0'	Producing Formation Yates, Seven Rivers		Pool North Hackberry - Y-SF	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

James A. Knauf

Name
James A. Knauf

Position
Agent

Company
CANTRO EXPLORATION, INC.

Date
October 18, 1985

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
OCTOBER 14, 1985

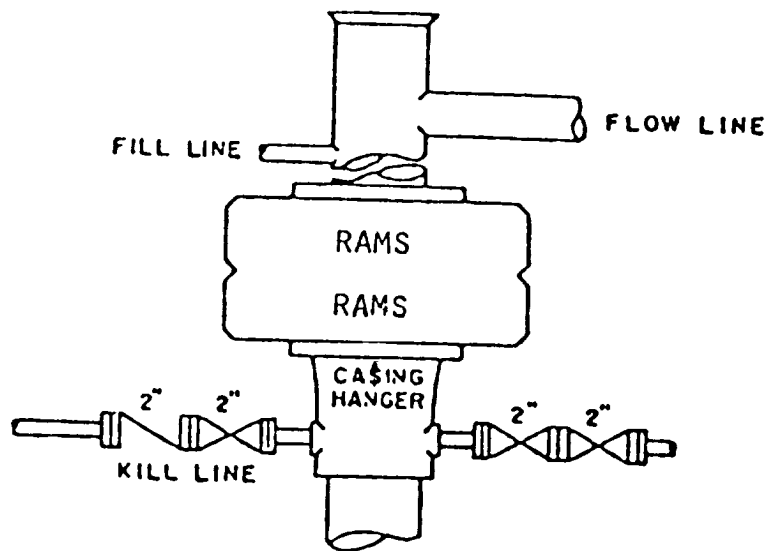
Registered Professional Engineer
and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

BLOWOUT PREVENTER SKETCH

Cantro Exploration, Inc.
Well #4 Tenneco Federal
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29-19S-31E



SUPPLEMENTAL DRILLING DATA

CANTRO EXPLORATION, INC.
WELL #4 TENNECO FEDERAL
SE $\frac{1}{4}$ NE $\frac{1}{4}$ SEC. 29-19S-31E
EDDY COUNTY, NEW MEXICO

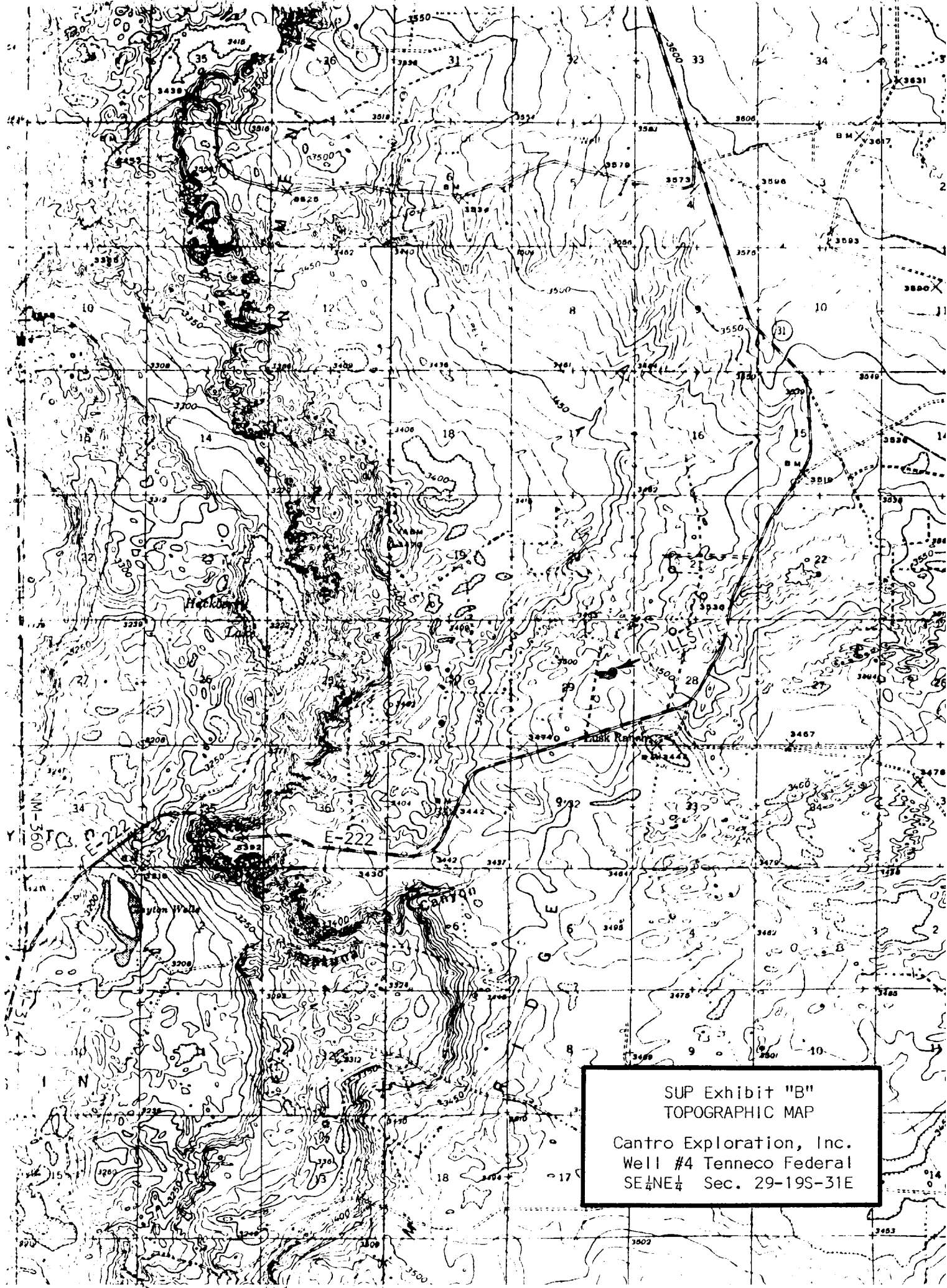
1. SURFACE FORMATION: Sandy soils of Quaternary Age.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS (Ground Elevation -3476'):

Salt	690'	Yates	2160'
Tansill	1970'	Seven Rivers	2340'
3. ANTICIPATED POROSITY ZONES:

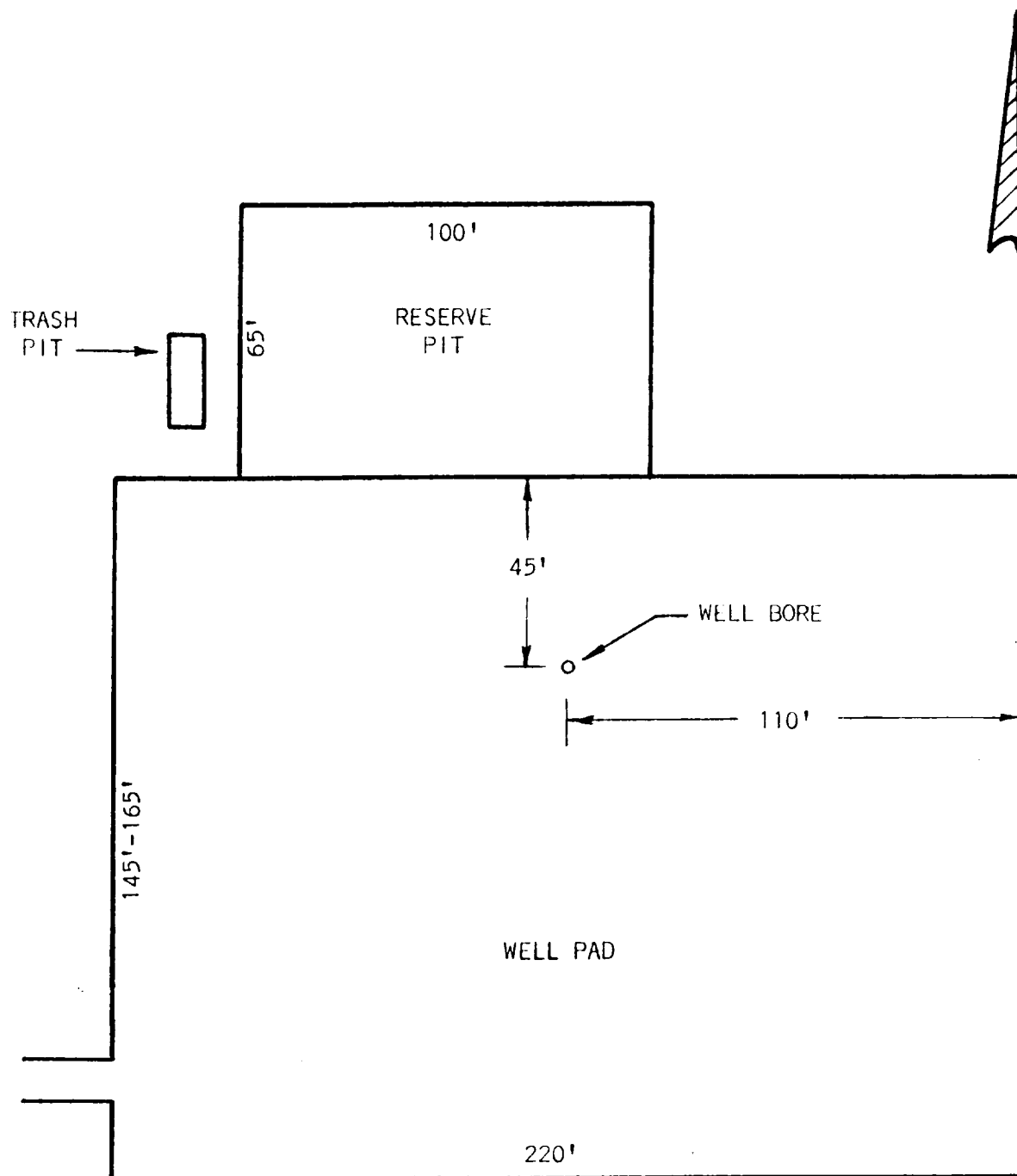
Water	- Above 200'
Oil	- Yates
Oil	- Capitan Reef
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 300'	23#	K-55	STC
5 1/2"	0 - 2500'	14#	K-55	STC
5. PRESSURE CONTROL EQUIPMENT: A double ram-type preventor will be used.
6. CIRCULATING MEDIUM:

0 - 300'	Fresh water with gel added if needed for viscosity.
300 - 2500'	Salt water conditioned as necessary for control of viscosity and water loss.
7. AUXILIARY EQUIPMENT: Drill string safety valve.
8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Gamma Ray/Neutron log.
9. ABNORMAL PRESSURES, TEMPERATURES OR GAS: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that drilling operations will commence about November 1, 1985. Duration of drilling, testing, and completion operations should be two to six weeks.



SUP Exhibit "B"
TOPOGRAPHIC MAP
Cantro Exploration, Inc.
Well #4 Tenneco Federal
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29-19S-31E



SUP Exhibit "D"
SKETCH OF WELL PAD
Cantro Exploration, Inc.
Well #4 Tenneco Federal
SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 29-19S-31E