

30-005-60918

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION FOR

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

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒

2. NAME OF OPERATOR
MESA PETROLEUM

3. ADDRESS OF OPERATOR
1000 VAUGHN BUI

4. LOCATION OF WELL (Report location At surface)
1980' FSL & 6'

At proposed prod. zone
SAME

14. DISTANCE IN MILES AND DIRECTION
439 MILES NORTH,

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line,

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, CO OR APPLIED FOR, ON THIS LEASE, FT

21. ELEVATIONS (Show whether DF, R 4067.7' GR

23.

OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

16. NO. OF ACRES IN LEASE
660'

17. NO. OF ACRES ASSIGNED TO THIS WELL
1480

19. PROPOSED DEPTH
3400'

20. ROTARY OR CABLE TOOLS
4200'

22. APPROX. DATE WORK WILL START*
MAY 1, 1981

5. LEASE DESIGNATION AND SERIAL NO.
NM 22615

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
RECEIVED

8. FARM OR LEASE NAME
MAR 25 1981
CAMACK FEDERAL

9. WELL NO.
O.C.D.
2 ARTEMA OFFICE

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED ABO

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 8, T5S, R24E

12. COUNTY OR PARISH
CHAVES

13. STATE
NEW MEXICO

PROPOSED CASING AND CEMENTING PROGRAM

CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	48#	800'	CIRCULATE
11 1/2"	24#	1600'	SUFFICIENT TO ISOLATE WTR, O&G
7 7/8"	10.5#	4200'	SUFFICIENT TO COVER ALL PAY

Propose to drill 17 1/2" hole on air or foam to 800' or deeper to set 13 3/8" surface casing. Will cement to surface then reduce hole to 11" to drill to 1600'. Will set 11" casing if not. Will reduce hole to 7 7/8", install ram type BOP's, and drill to total depth on air, foam, or mud as required. After log evaluation, 4 1/2" casing may be run and cemented with sufficient amounts and kinds to isolate fresh water, oil, or gas zones encountered.

Gas Sales Are Dedicated.

USGS (6), LS, GEN RCDS, ACCTG, HOBBS, MEC, LAND, PARTNERS, FILE

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 preventer program, if any.

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 preventer program, if any.

24. SIGNED R. E. M TITLE REGULATORY COORDINATOR DATE FEBRUARY 24, 1981

(This space for Federal use)

APPROVED BY GEORGE STEWART APPROVAL DATE 31

APPROVED BY MAR 23 DATE 31

CONDITIONS OF APPROVAL, IF ANY

JAMES A. G
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

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 Mesa Petroleum Co.	
Tract Letter I	Section 8
Actual Footage Location of Well: 1980 feet from the SE	
Ground Level Elev. 4067.7	Producing Formation ABO

Lease Camack Fed.		Well No. 2
Ownership 5 S	Range 24 E	County Chaves County
Line and 660 feet from the East line		Dedicated Acreage: SE/4 160 Acres
Section UNDESIGNATED		Abd

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, force-pooling, etc?

☐ Yes ☐ No If

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, or otherwise) until a non-standard unit, eliminating such interests, has been approved by the Commission.

d to the subject well by colored pencil or hatchure marks on the plat below.

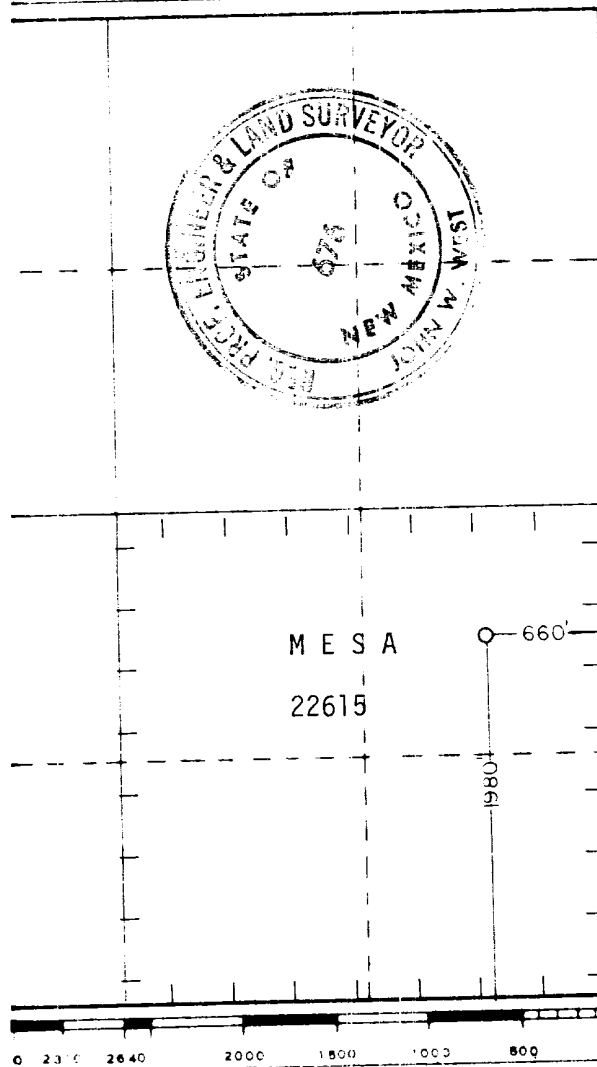
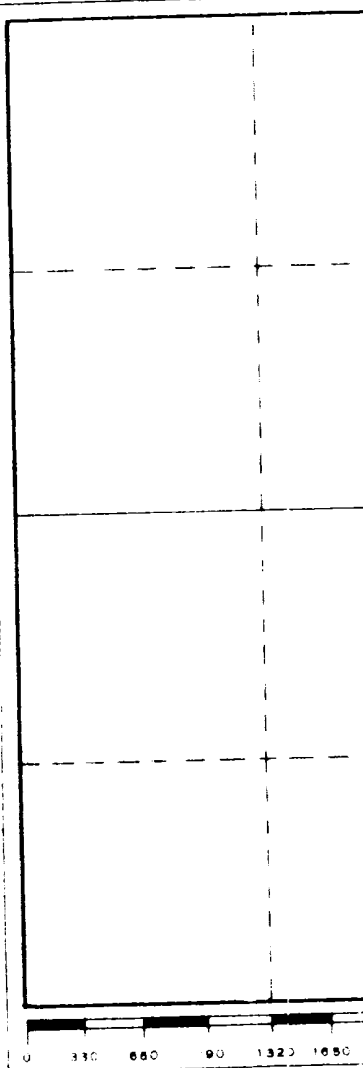
dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, force-pooling, etc?

Answer is "yes," type of consolidation

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, or otherwise) 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.

R. E. Mathis

Name
R. E. MATHIS
Position
REGULATORY COORDINATOR
Company
MESA PETROLEUM CO.

Date
FEBRUARY 24, 1981

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
2-10-81

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 678**
PATRICK A. ROMERO 6868
Ronald J. Eidson 3239

APPLICATION FOR DRILLING

MESA PETROLEUM CO.
CAMACK FEDERAL #2
1980' FSL & 660' FEL, SEC 8, T5S, R24E
CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 22615

In conjunction with Form 9-331C, Application For Permit to Drill subject well, the following additional information is provided:

1. Applicable portions of the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, Roswell District, Geological Survey of September 1, 1980 will be adhered to.

2. Geological markers are estimated as follows:

SEVEN RIVERS	SURFACE
SAN ANDREAS	548'
GLORIETTA	1388'
TUBB	2988'
ABO	3528'
HUECO	4178'

3. Hydrocarbon bearing strata may occur in the Abo formation. No fresh water is expected to be encountered below 800'.

4. The Casing and Blowout Preventer Program will be determined by hole conditions as encountered. Anticipate drilling with air or foam using ram type preventer and rotating head for well control. The 13 3/8" casing will be set at approximately 800' to protect any fresh water zones and cemented to the surface. The 8 5/8" casing will be set at approximately 1600' if water zones have been encountered or omitted if not and ram type preventers installed. Sufficient amounts and kinds of cement would be used to ensure any water, gas, or oil zones encountered are isolated and shut off down to the casing point if run. The 4 1/2" production casing will be set at total depth or shallower depending upon the depth of the deepest commercial hydrocarbon bearing strata encountered.

5. No drill stem tests or coring program is planned. The logging program may consist of a GR-CNL from surface to total depth and FDC from casing point to total depth.

6. Anticipated drilling time is fifteen days with completion operations to follow as soon as a completion unit is available.

1. TI-POINT SURFACE USE AND OPERATION PLAN

MESA PETROLEUM CO.
CAMACK FEDERAL #2
1980' FSL & 660' FEL, SEC 8, T5S, R24E
CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 22615

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operational plan in both the actual and post drilling-completion operations.

1. Existing Roads

- A. Exhibit I is a portion of a highway map showing the location of the proposed well as staked. The proposed well is approximately 39 miles north northeast of Roswell, New Mexico.
- B. Directions: Travel north of Roswell on US Highway 285 for 24 miles (marker 139) and turn east on county road. Travel east for 8 miles then northeast for 3 miles and turn west onto lease road (Stancel Federal #1). Follow lease road to northwest for 2 miles to the location.

2. Planned Access Road

- A. Length and width: The new access road will be 12' wide (16' ROW) and approximately 3400' of new road and utilizes ROW's approved under APD for the Stancel Federal 1 & 2, Huggins Federal #1, and the Camack Federal #1. (See USGS records for the Roswell area).
(See Exhibit II for details).
- B. Construction: The new road will be constructed by grading and topping with compacted caliche. The surface will be crowned, with drainage on both sides. (See Exhibit III)
- C. Culverts, Gates and Cattleguards: One Cattleguard will be installed.
- D. Cut and Fill: In order for the location to be level, approximately 3' of cut from the south side will be moved to the north side for fill.

3. Location of Existing Wells

Existing wells within a one-mile radius are depicted by Exhibit IV.

4. Location of Existing and/or Proposed Facilities

If the well proves to be commercial, the necessary production facilities, gas separation-process equipment and tank battery, will be installed on the drilling pad.

5. Location and Type of Water Supply

It is planned to drill the proposed well with air. If water is needed, it will be obtained from commercial sources and will be trucked to the wellsite over the existing roads and the proposed access road shown on Exhibits I and II or piped in by temporary line from a nearby source.

6. Source of Construction Materials

Caliche for surfacing the road and the wellsite pad will be obtained by the drilling contractor from the Federal Government or private sources. Top soil from the location will be stockpiled near the location for future reclamation use. No surface materials will be disturbed except for those necessary for the actual grading and leveling of the drillsite and access road. Probable pit is located: NE/4, Sec 22, T5S, R24E, Chaves County, New Mexico.

7. Methods of Handling Waste Disposal

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drill fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. All pits will be fenced with normal fencing material to prevent livestock from entering the area.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted to the USGS for approval.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. 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.
- G. All trash and debris will be buried or removed from the wellsite within 30 days after finished and/or completion operations.

8. Ancillary Facilities: None required.

9. Wellsite Layout:

- A. Exhibit V shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area has been staked and flagged.
- B. Some leveling of the wellsite will be required. See Exhibit III for additional details.
- C. The reserve pit will be plastic lined.

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 location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the proposed well is non-productive, all rehabilitation and/or revegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment, if drying conditions permit.

11. Other Information:

- A. Topography: The land surface in the vicinity of the wellsite is sloping to the south.
- B. Soil: The topsoil at the wellsite is sandy loam.
- C. Flora and Fauna: The vegetative cover consists of Tabosa and other prairie grasses, creosote bush, yucca, cactus, prairie flowers and other miscellaneous desert growth. Wildlife in the area probably includes those typical of semi-arid desert land. The area is used for grazing.
- D. Ponds and Streams: Camack Well is approximately 1/2 mile to the north.
- E. Residences and Other Structures: There are no residences or other structures in the vicinity of the proposed well.
- F. Land Use: Grazing.
- G. Surface Ownership: The wellsite is on private surface (B. M. Corn).
- H. There is no evidence of any major archaeological, historical, or cultural sites in the area. NMAS, Inc. has conducted an archaeological study of this site and provides this report to interested parties.

12. Operator's Representatives:

- A. The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

J. Wooten
P. O. Box 1756
Hobbs New Mexico 88240
(505-3-4425) - Office
(505-3-6033) - Home

C. C. Wheeler
1000 Vaughn Building
Midland, Texas 79701
(915-683-5391) - Office
(915-683-6123) - Home

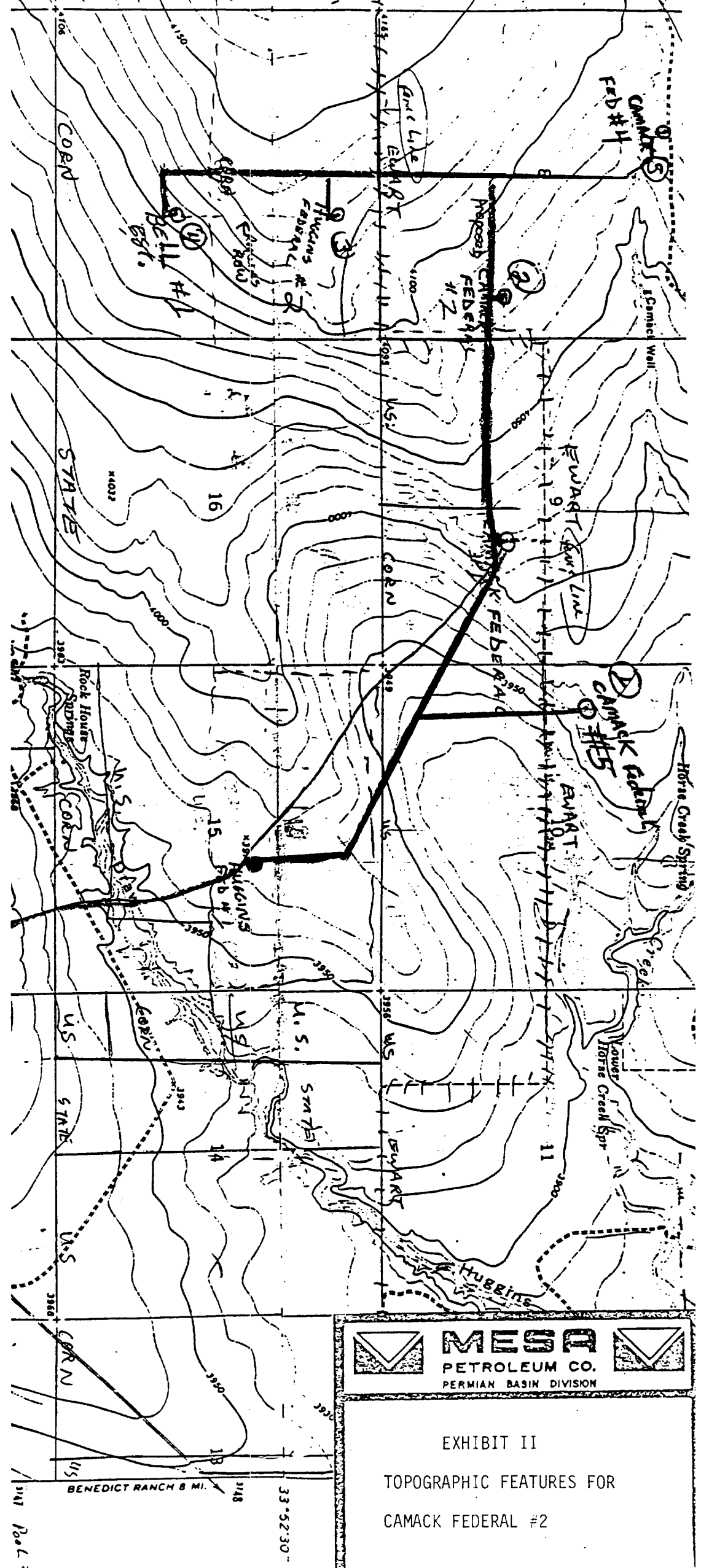
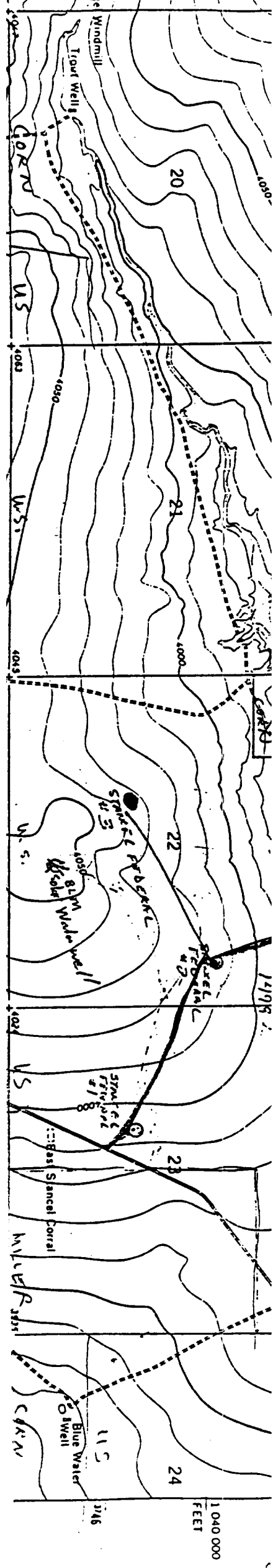
13. Certification

I hereby certify that I, or person 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 Mesa Petroleum Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

February 24, 1981

Date

Michael P. Houston
Michael P. Houston
Operations Manager





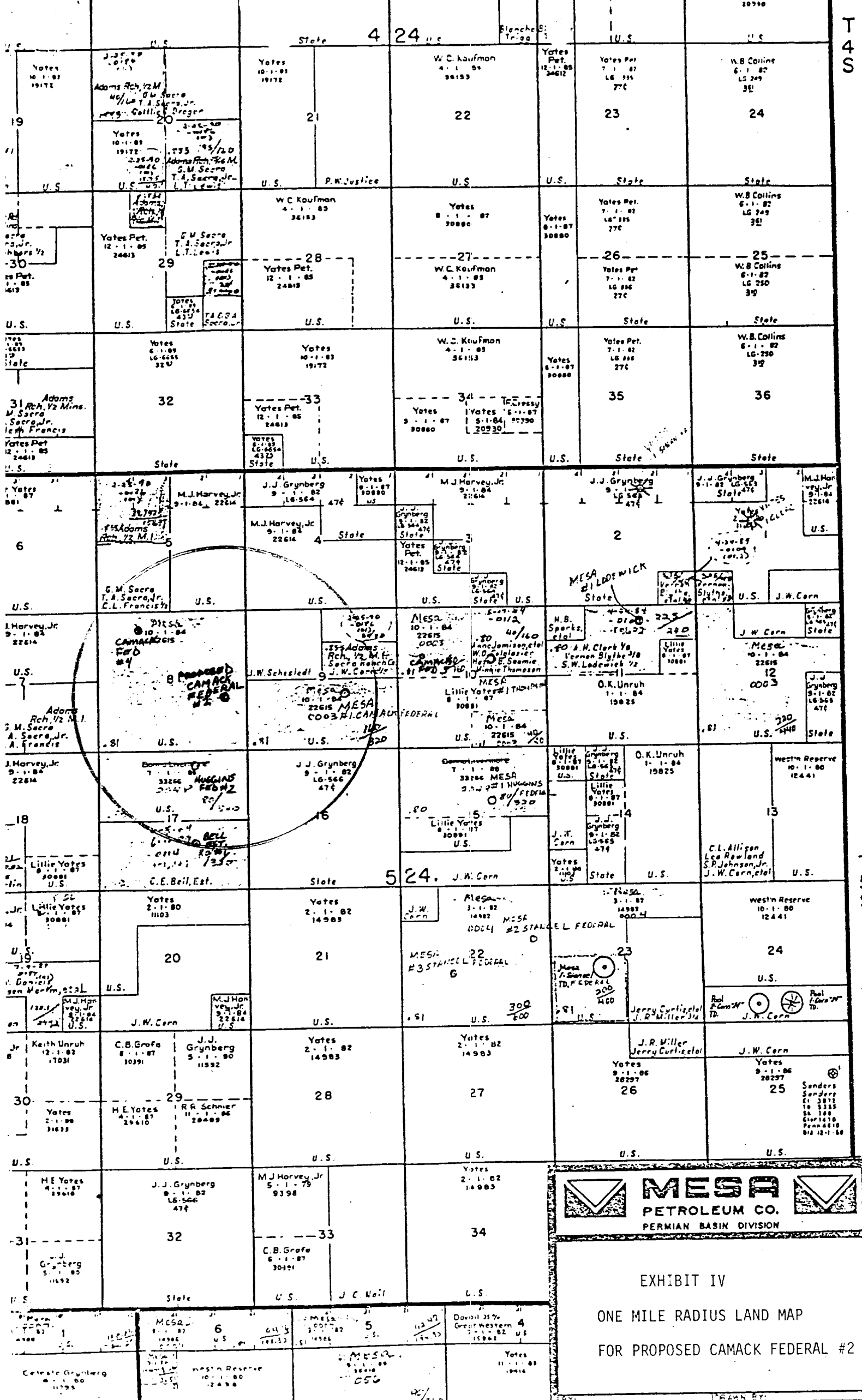
**MESA**
PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT II
TOPOGRAPHIC FEATURES FOR
CAMACK FEDERAL #2




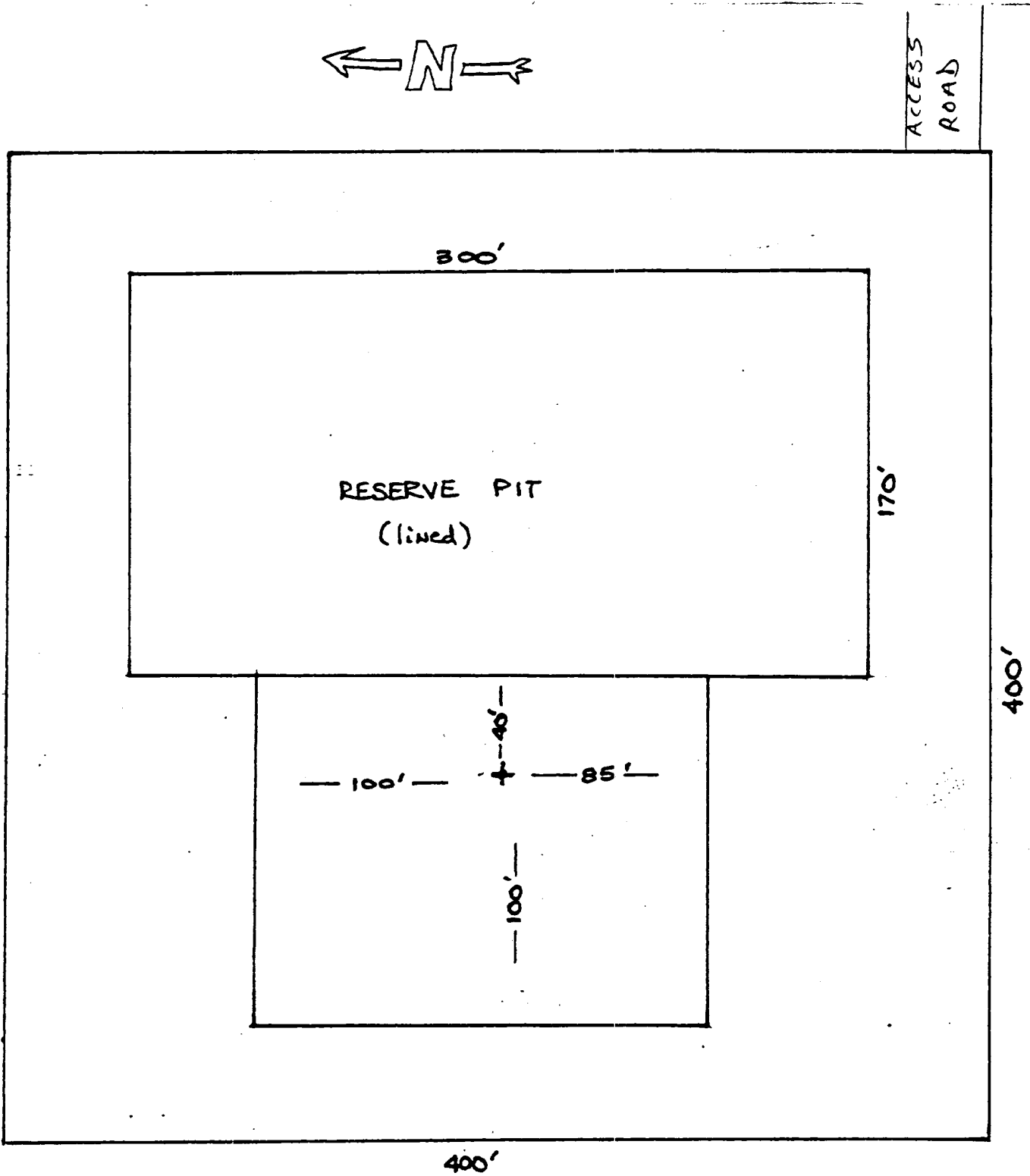


**MESA**
PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT IV
ONE MILE RADIUS LAND MAP
FOR PROPOSED CAMACK FEDERAL #2



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13

	MESA PETROLEUM CO. PERMIAN BASIN DIVISION	
EXHIBIT V		
CAMACK FEDERAL #2		
DATE:	DESIGNED BY:	SCALE: