Form 9-331 C
(May 1963)

N.M.O.C.D. COPY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-005-61081

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

C/SF

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: NM 14291

RECEIVED
AUG 17 1981
O. C. D.
ARTESIA, OFFICE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME: LLOYDS FED COM

2. NAME OF OPERATOR: MESA PETROLEUM CO.

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: 1000 VAUGHN BUILDING/MIDLAND, TX 79701

10. FIELD AND POOL, OR WILDCAT: WILDCAT ABO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: ~~660'~~ 990' FSL & 1980' FEL
At proposed prod. zone: SAME

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OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: U-L-O
SEC 11, T9S, R25E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 18 MILES EAST OF ROSWELL, NEW MEXICO

12. COUNTY OR PARISH: CHAVES

13. STATE: NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 660'/660'	16. NO. OF ACRES IN LEASE: 640	17. NO. OF ACRES ASSIGNED TO THIS WELL: 160	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: N/A	19. PROPOSED DEPTH: 4400'	20. ROTARY OR CABLE TOOLS: ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3516.1'		22. APPROX. DATE WORK WILL START*: AUGUST 31, 1981	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	800'	CIRCULATE TO SURFACE
11"	8 5/8"	24#	1600'	SUFFICIENT TO ISOLATE WTR, O&G
7 7/8"	4 1/2"	10.5#	4400'	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" and drill to 1600'. Will set 8 5/8" casing if water zones have been encountered or omit if not. Will reduce hole to 7 7/8", install ram type BOPs, and drill to total depth using air, foam, or mud as required. After log evaluation, 4 1/2" casing may be run and cemented with sufficient kinds and amounts to isolate and seal off any fresh water, oil, or gas zones encountered.

Gas Sales Are Dedicated.

XC: USGS (6), TLS, CEN RCDS, ACCTG, ROSWELL, 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 deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED R. L. [illegible] TITLE REGULATORY COORDINATOR DATE AUGUST 10, 1981

(This space for Federal or State office use)

APPROVED
GEORGE H. STEWART
AUG 14 1981
FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Form 9–331
Dec. 1973

N.M.O.C.D. COPY

Form Approved.
Budget Bureau No. 42–R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
MESA PETROLEUM CO.

3. ADDRESS OF OPERATOR
1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 990' FSL & 1980' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
NM-14291

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
LLOYDS FEDERAL COM

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
WILDCAT ABO

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 11, T9S, R25E

12. COUNTY OR PARISH
CHAVES

13. STATE
NEW MEXICO

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3516.1' GR

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AUG 20 1981
O. C. D.
ARTESIA, OFFICE

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		☐
SHOOT OR ACIDIZE	☐		☐
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other) Change location			

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U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

(NOTE: Report results of multiple completion or zone change on Form 9–330.)

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

Attached please find six copies of FORM C102 for subject well which has been relocated to protect an alleged archaeological site with BLM concurance. Please amend approved APD to reflect this change.

XC: USGS (3), TLS, CEN RCDS, ACCTG, MEC, LAND, PARTNERS, ROSWELL, FILE

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _____ TITLE REGULATORY COORDINATOR DATE 8-14-81

(This space for Federal or State office use)

APPROVED
(Orig. Sgd.) GEORGE H. STEWART
AUG 19 1981
FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

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	Lease	Well No.
MESA PETROLEUM CO.	LLOYDS FEDERAL COM.	1

Unit Letter	Section	Township	Range	County
O	11	9 SOUTH	25 EAST	CHAVES

Actual Footage Location of Well: 990 feet from the SOUTH line and 1980 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3514.7	ABO	WILDCAT	SE/4 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

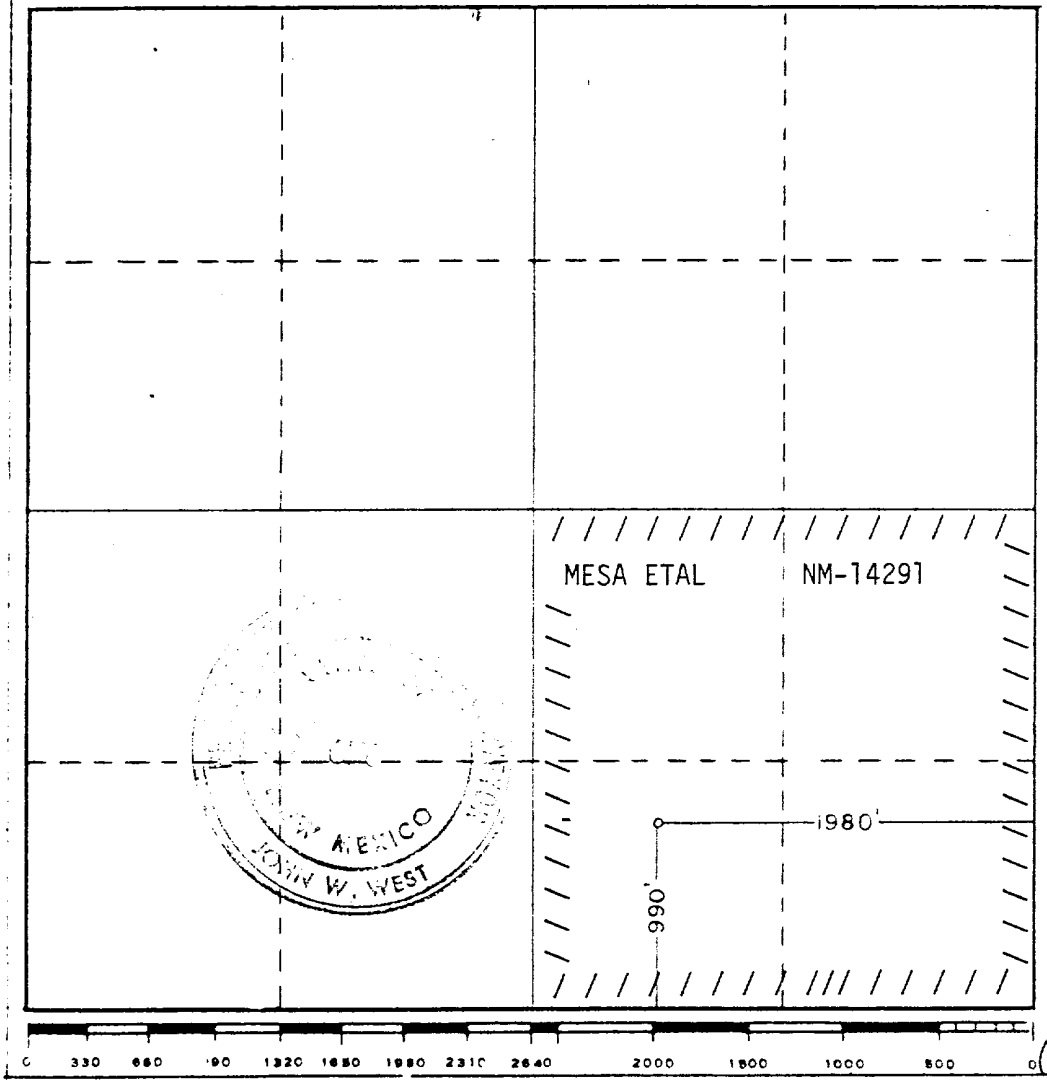
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

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: 8-14-81

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: 8-12-81

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No JOHN W. WEST 676
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239

APPLICATION FOR DRILLING

MESA PETROLEUM CO.
LLOYDS FEDERAL COM #1
660' FSL & 1980' FEL, SEC 11, T9S, R25E
CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 14291

In conjunction with Form 9331-C, 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	Abo	3693'
San Andres	518'		
Glorieta	1122'		
Yeso	1260'		
Tubb	2966'		

3. Hydrocarbon bearing strata may occur in the Abo formation(s). 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. (See Exhibit VI) 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 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.

MULTI-POINT SURFACE USE AND OPERATION PLAN

MESA PETROLEUM CO.
LLOYDS FEDERAL COM #1
660' FSL & 1980' FEL, SEC 11, T9S, R25E
CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 14291

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 18 miles east of Roswell.

B. Directions: Take US Highway 70 East from Roswell approximately 13 miles to the old Acme townsite, turn South 3 miles then West 2 miles to the location.

2. Planned Access Road:

A. Length and width: The new access road will be 12' wide (20' ROW) and approximately 2 miles of new road.

(See Exhibit II)

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: None.

D. Cut and Fill: NONE

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. A special containment dike will be constructed to act as a spill prevention device and safeguard.

5. Location and Type of Water Supply:

It is planned to drill the proposed well with
will be obtained from commercial sources and will be trucked to the wellsite over the existing roads and proposed access road shown on Exhibits I and II.

6. Source of Construction Materials:

Caliche for surfacing the road and wellsite pad will be obtained by the dirt contractor from an approved pit. Probable pit is located: NW/4, SEC 6, T9S, R25E.

7. Methods of Handling Waste Disposal:

A. Drill cuttings will be disposed of in the reserve pits.

B. Drilling 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 may be required. See Exhibit III for additional details.

C. The reserve pit will not be plastic lined but secondary containment dike will be built.

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 a 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 vegetation 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 gently sloping to the Pecos River on the West.

B. Soil: The topsoil at the wellsite is sandy loam.

C. Flora and Fauna: See NMAS, Inc. Archaeological Report for vegetative types.

D. Ponds and Streams: The Pecos River is 1000' to the West.

E. Residences and Other Structures: None.

F. Land Use: Grazing.

G. Surface Ownership: The wellsite is on Federal Surface.

H. 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. James
P. O. Box 298
Roswell, New Mexico
(505-622-0992) - Office
(505-622-0234) - Home

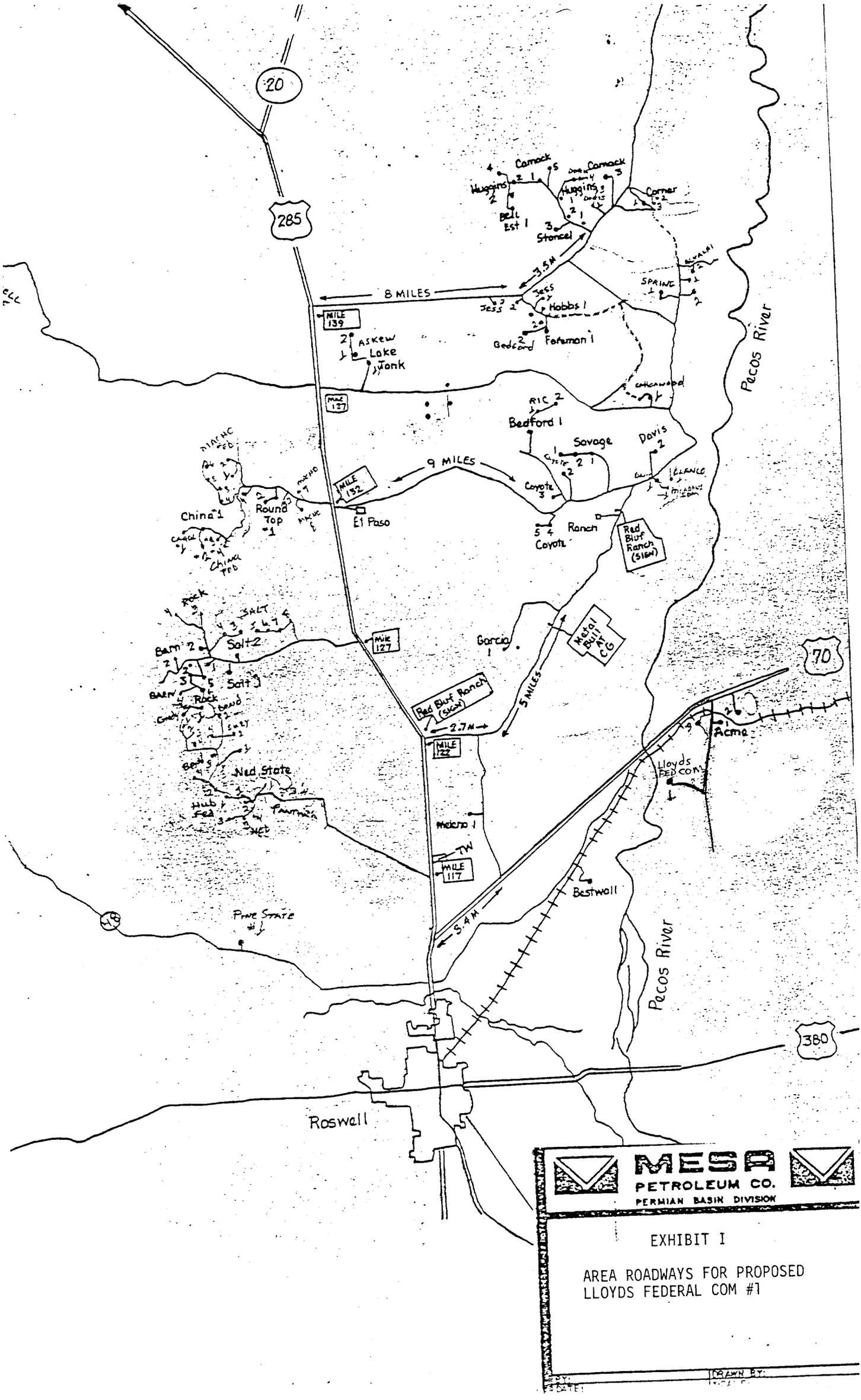
W. R. Miertschin
1000 Vaughn Building
Midland, Texas 79701
(915-683-5391) - Office
(915-682-6535) - Home

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.

August 10, 1981
DATE

MICHAEL P. HOUSTON
OPERATIONS MANAGER

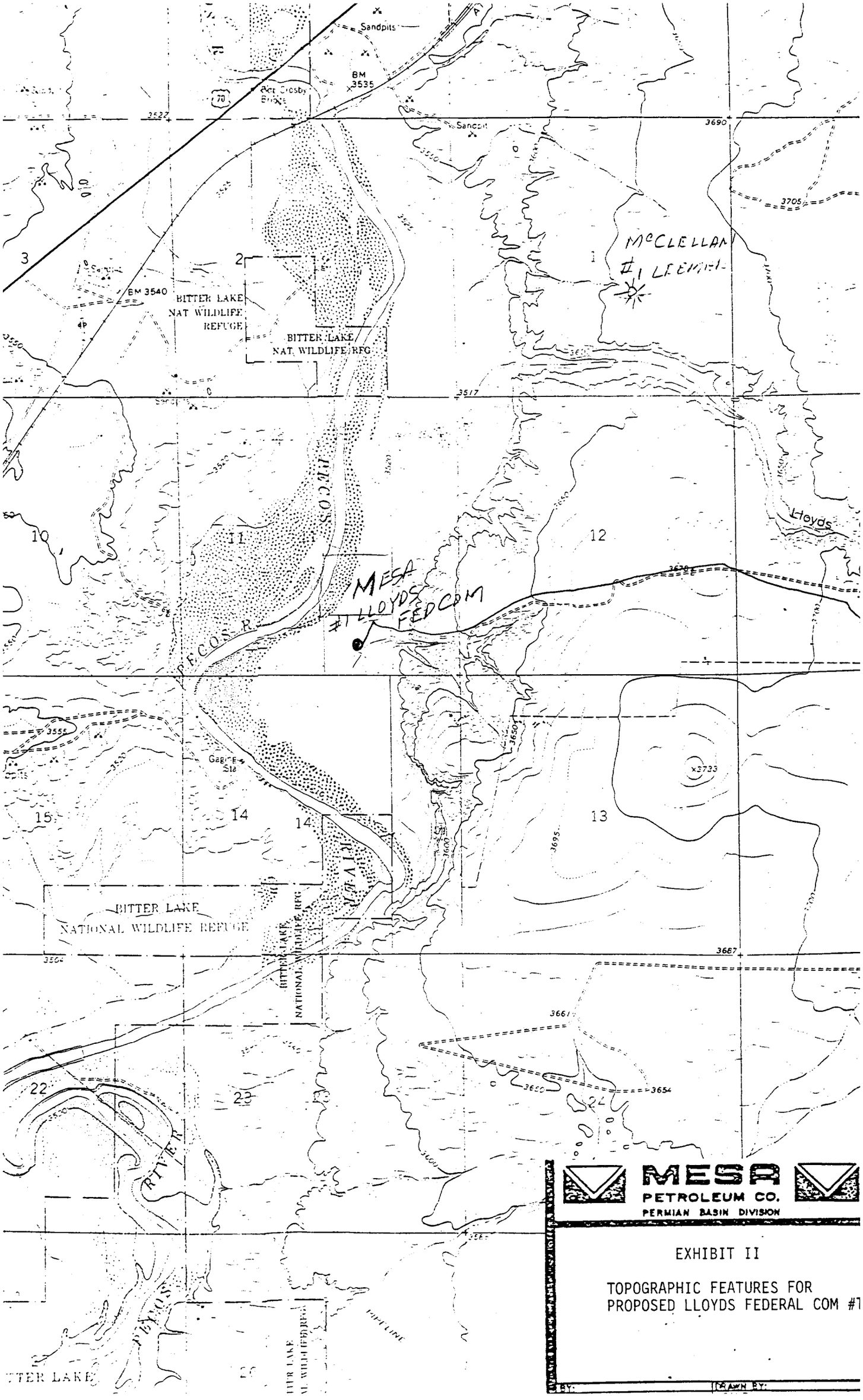


MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT I

AREA ROADWAYS FOR PROPOSED
LLOYDS FEDERAL COM #1

DRAWN BY:



MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

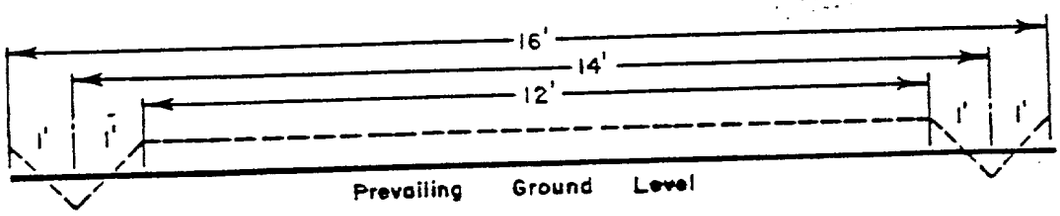
EXHIBIT II

TOPOGRAPHIC FEATURES FOR
PROPOSED LLOYDS FEDERAL COM #1

BY:

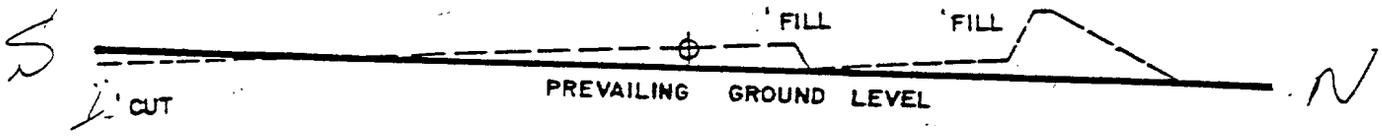
DRAWN BY:

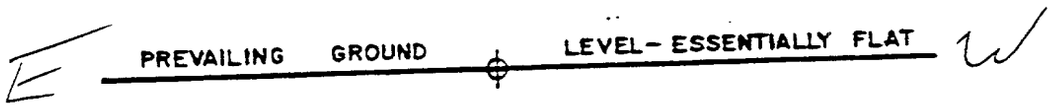
R - O - W 16'



ROADWAY CROSS SECTION

Horizontal Scale 1" = 3'





LOCATION CROSS SECTION

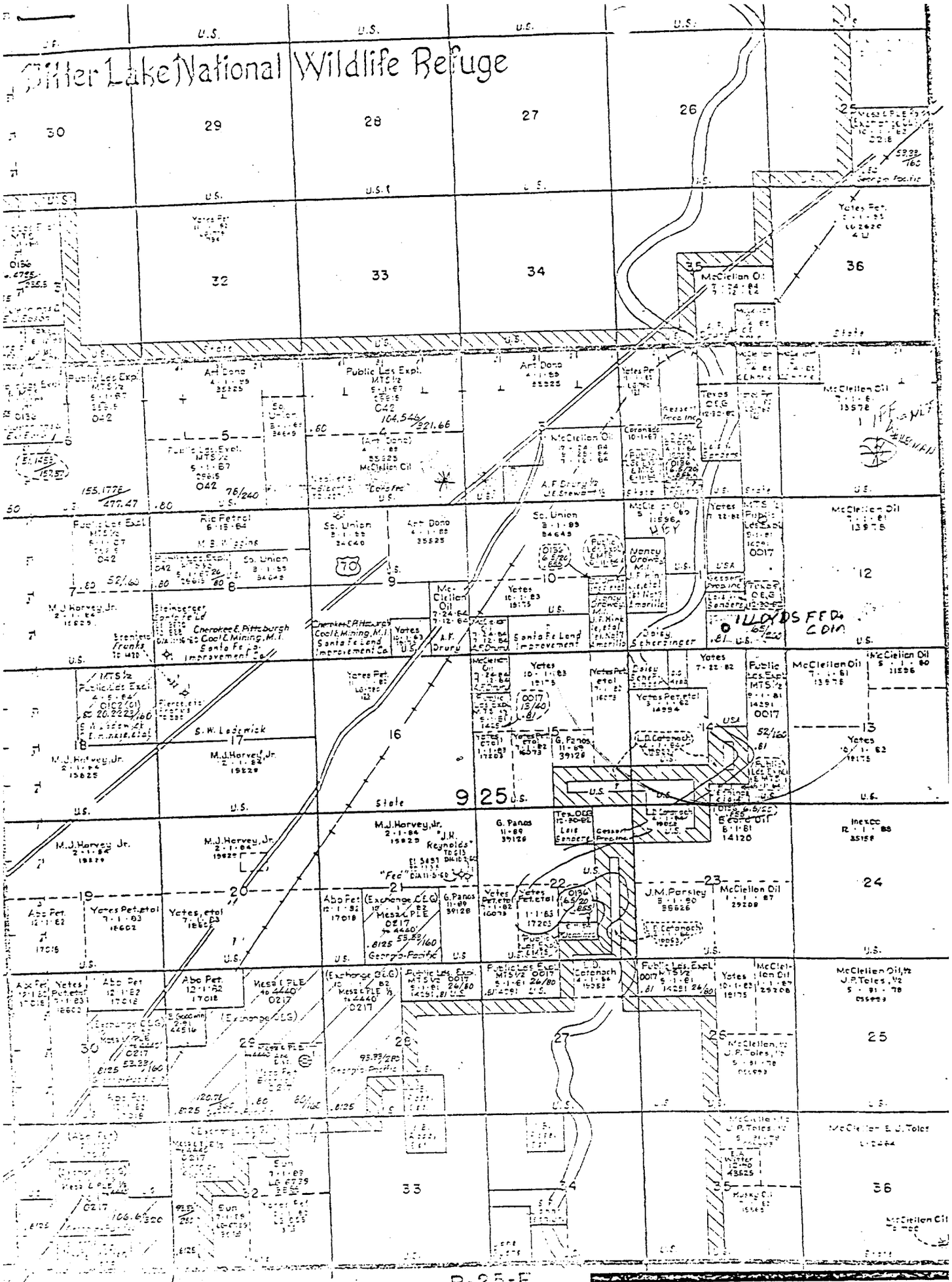
Horizontal Scale 1" = 50'

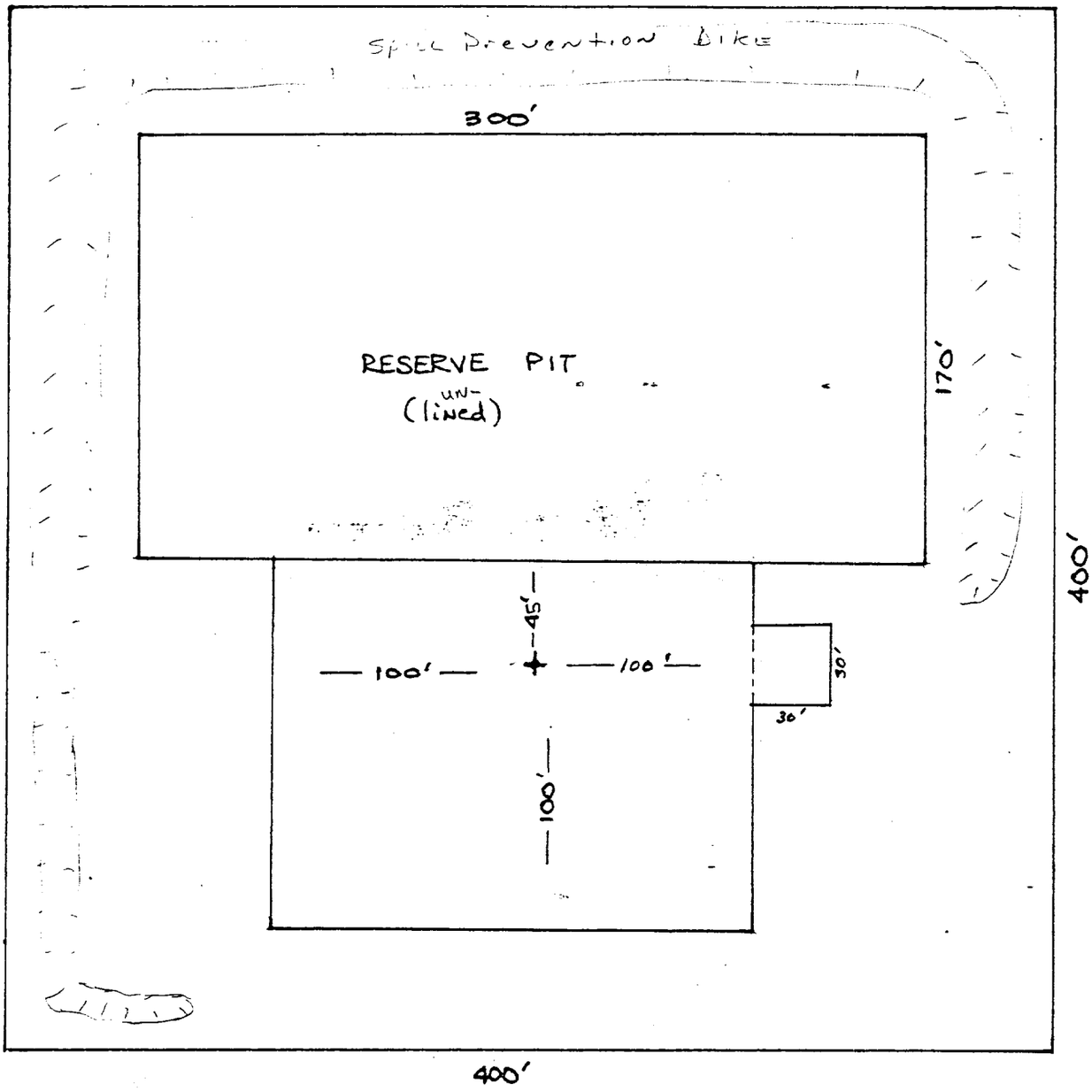
MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT III

LOCATION CONSTRUCTION

BY: REH
DATE: 3-5-80
DRAWN BY: WLP
SCALE: AS NOTED


Sitter Lake National Wildlife Refuge
R-25-E
Ownership Map
Northwest Part
SCALE: 1" = 1000'
MESA
PETROLEUM CO.
PERMIAN BASIN DIVISION
EXHIBIT IV
ONE-MILE RADIUS LAND MAP FOR
PROPOSED LLOYDS FEDERAL COM #1



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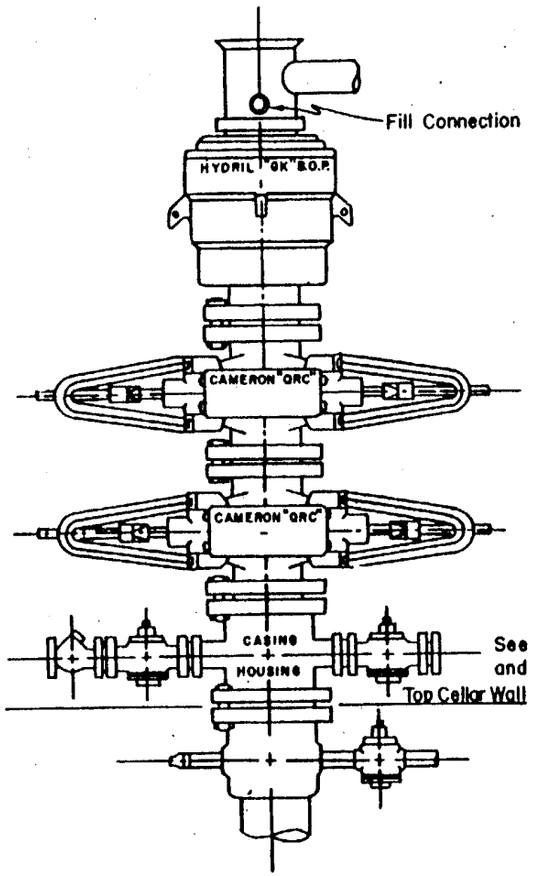
MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT V

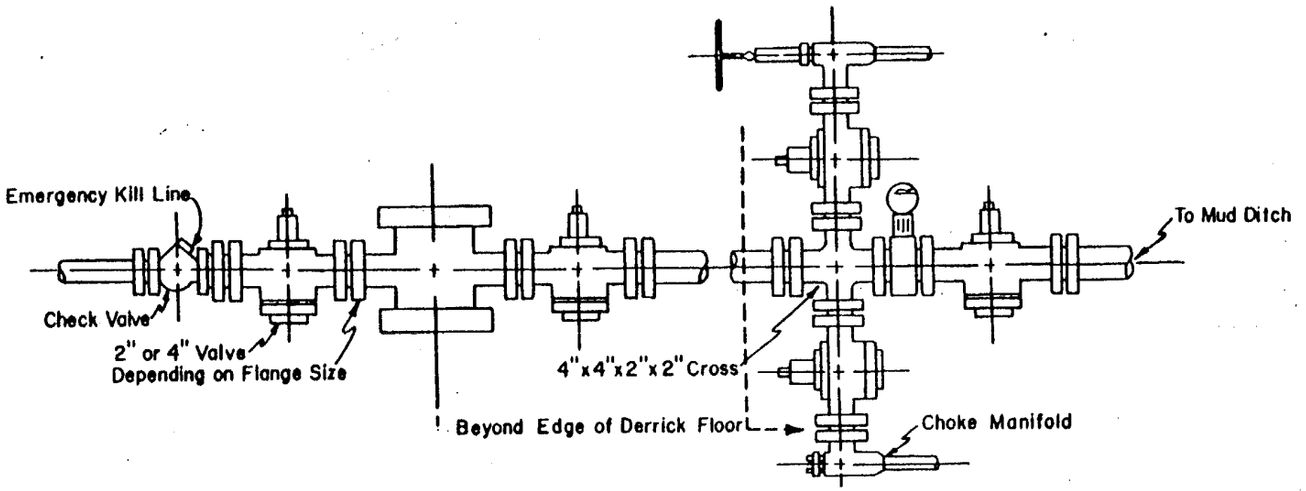
FOR PROPOSED LLOYDS FEDERAL COM #1

DRAWN BY:

Blow-out Preventers hydril and choke manifold are all 900 Series



3,000 PSI WORKING PRESSURE
BLOW-OUT PREVENTER HOOK-UP



3,000 PSI WORKING PRESSURE
KILL, CHOKE, AND FILL CONNECTIONS

DETAIL OF 4" FLOW LINE CHOKE ASSEMBLY

Minimum assembly for 3,000 PSI working pressure will consist of three preventers. The bottom and middle preventers may be Cameron.

NOTE: HYDRIL not installed on shallow-low pressure wells. RAM type BOPs are API 10" X 3000 PSI

MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT

VI

BY:
DATE:
DRAWN BY:
SCALE: