

N.M.O.C.E.

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

Mesa Petroleum Co.

3. ADDRESS OF OPERATOR

1000 Vaughn Bldg./Midland, Texas 79701

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

At surface

660' FSL & 1980' FWL

At proposed prod. zone

Same

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

14 miles southeast of Corona

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

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

N/A

16. NO. OF

2538.8

19. PROPOSED DEPTH

3000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

6166.5' GR

22. APPROX. DATE WORK WILL START*

February 15, 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	500 Circulate
11"	8-5/8"	24#	1500'	500
7-7/8"	4-1/2"	10.5#	3000'	500

Propose to drill 17-1/2" hole using air to 800'. Will set 13-3/8" surface casing and cement to surface. Will continue drilling 11" hole with air to 1500' and set 8-5/8" casing if water zones have been encountered or reduce hole to 7-7/8" and drill ahead without setting 8-5/8" casing if no water zones were encountered. After log evaluation, 4-1/2" casing may be run and cemented with sufficient kinds and amounts to isolate and seal off any portable water, oil, or gas zones encountered.

Gas sales are not dedicated

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. E. Mathis

TITLE

Regulatory Coordinator

DATE

1-9-81

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

(Orig. 3rd) GEORGE H. STEVARI

TITLE

DATE

CONDITION OF APPROVAL, IF ANY

APR 27 1981

FOR

JAMES A. GILLHAM

DISTRICT SUPERVISOR

xc: USGS(6), TLE, CEN, RCLS, ACCTG, HOBBS OFFICE, PARTNERS, MEC, MAH, FILE

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

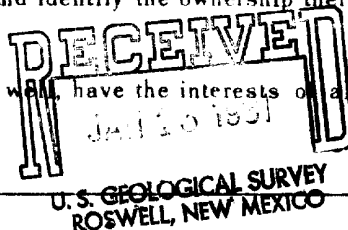
Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator Mesa Petroleum Co.			Lease Asparas Federal		Well No. 1
Unit Letter N	Section 11	Township 4S	Range 14E	County Lincoln	
Actual From the Location of Well: 660 feet from the South line and 1980 feet from the West line					
Ground Level Elev 6166.5'	Producing Formation PENN		Pool WILDCAT Penn	Dedicated Acreage: 40 320 Acres	

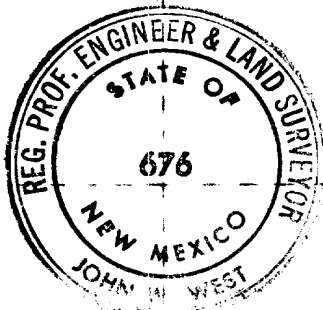
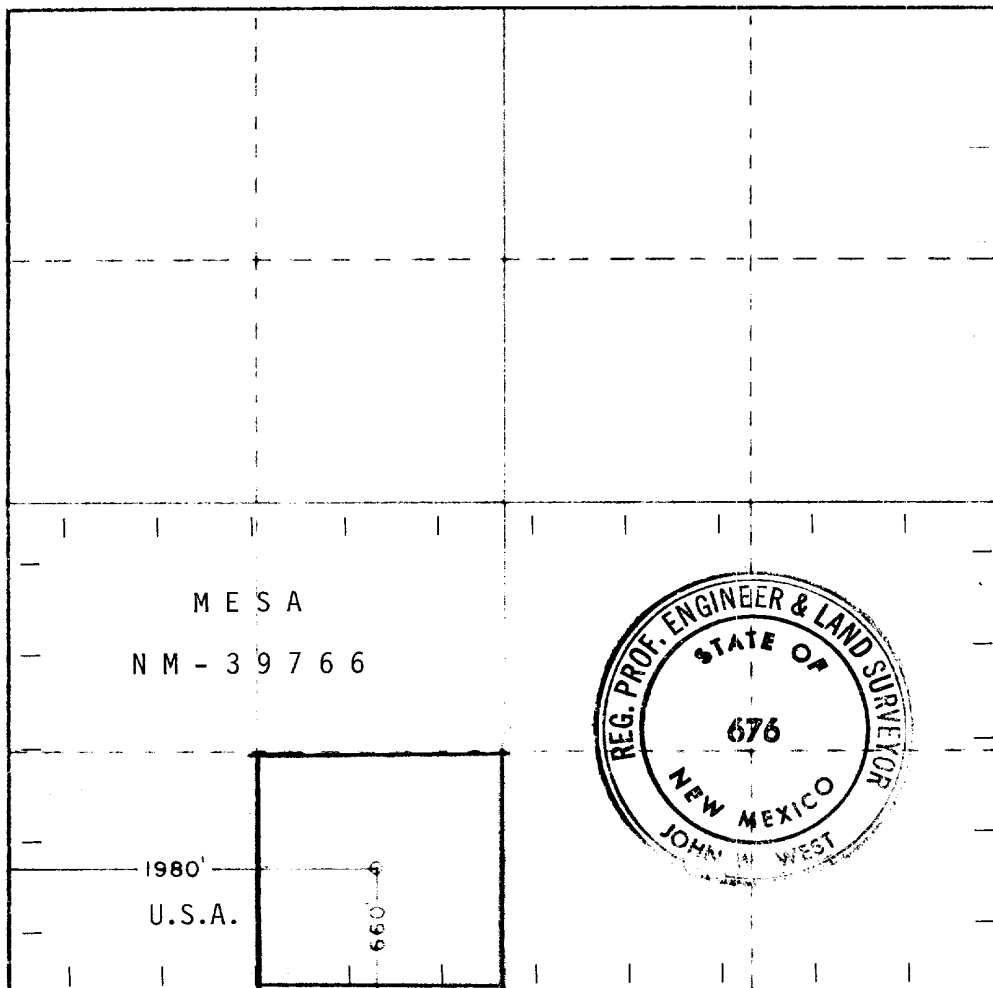
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

R. E. Mathis

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

Date
1-9-81

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
Dec. 12, 1980

Registered Professional Engineer and/or Land Surveyor

John M. West

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

330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

APPLICATION FOR DRILLING

MESA PETROLEUM CO.
ASPARAS FEDERAL #1
660' FSL & 1980' FWL, SEC 11, T4S, R14E
LINCOLN COUNTY, NEW MEXICO

LEASE NO: NM - 39766

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:

San Andres	Surface
Yeso	711'
Abo	2060'
Granite Wash	2410'
Basement	3000'
3. Hydrocarbon bearing strata may occur in the Abo or Granite Wash. No fresh water is expected to be encountered below 800'.
4. The casing and blowout preventer program will be determined by hole conditions 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 apporixmately 800' to protect any fresh water zones and cemented to the surface. The 8 5/8" casing may be set at approximately 1500' if water has been encountered below the casing point or omitted and the hole reduced to 7 7/8" to drill to total depth. If 8 5/8" casing is set, sufficient amounts and kinds of cement will be used to ensure any fresh water, gas, or oil zones encountered are isolated and shut off down to the casing point. 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.

Application For Permit To Drill

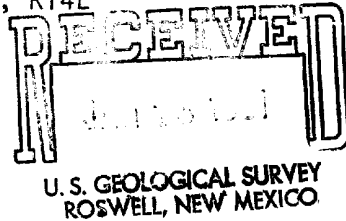
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5. No drillstem tests or coring program is planned. The logging program may consist of a GR-CNL from surface to total depth and FDC from casing point to total depth.
6. Anticipated drilling time is fifteen days with completion operations to follow as soon as a completion unit is available.

MU' T-POINT SURFACE USE AND OPERAT' PLAN

MESA PETROLEUM CO.
ASPARAS FEDERAL #1
660' FSL & 1980' FWL, SEC 11, T4S, R14E
LINCOLN COUNTY, NEW MEXICO

LEASE NO: NM - 39766



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 100 miles north/northwest of Roswell, New Mexico and 14 miles southeast of Corona, New Mexico.
- B. Directions: Take US Highway 285 north from Roswell for 56 miles to the junction with State Highway 42. Turn west and proceed along Highway 42 for 29.5 miles. Turn south at county road (identified by Transwestern Pipeline Corona Station 8 sign) and continue for 10.2 miles. Turn west on county road and proceed for 4.2 miles to new lease road along the pipeline. Follow this road westerly for 4.8 miles to the location pad.

2. Planned Access Road

- A. Length and width: The new access road will be 12' wide (16' ROW) and approximately 4.8 miles of upgraded ranch road.

(See Exhibit II for details)
- B. Construction: The new road will be constructed by peeling the top surface then 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 additional cattleguard will be required.
- D. Cut and Fill: Essentially flat.

3. Location of Existing Wells

Existing wells within a three-mile radius are depicted by Exhibit I.

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 needed, water 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 from windmill/tank situated 1/2 mile to north-east of location. Temporary pipe would be layed to bring water from the windmill or tank.

6. Source of Construction Materials

Caliche for surfacing the road and the wellsite pad will be obtained by the dirt contractor from the Federal Government or private sources if needed. Top soil from the location will be stockpiled near the location for future rehabilitation use. No surface materials will be disturbed except for those necessary for the actual grading and leveling of the drillsite and access road.

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 finishing and/or completion operations.

8. Ancillary Facilities: None required.

9. Wellsite Layout:

- A. Exhibit IV 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. Minor leveling of the wellsite will be required.
- 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 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 north and south.
- B. Soil: The topsoil at the wellsite is gypsum.
- 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: There are no rivers, streams, lakes, or ponds in the area with the exception of a sink hole located approximately 3/4 of a 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: Sheep grazing.
- G. Surface Ownership: The wellsite is on Federal surface with 3 miles of access road crossing private surface.
- H. There is no evidence of any major archeological, historical, or cultural sites in the area. NMAS, Inc. has conducted an archeological 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. Wootten
P. O. Box 1756
Hobbs, New Mexico 88240
(505-393-4425) - Office
(505-393-6033) - Home

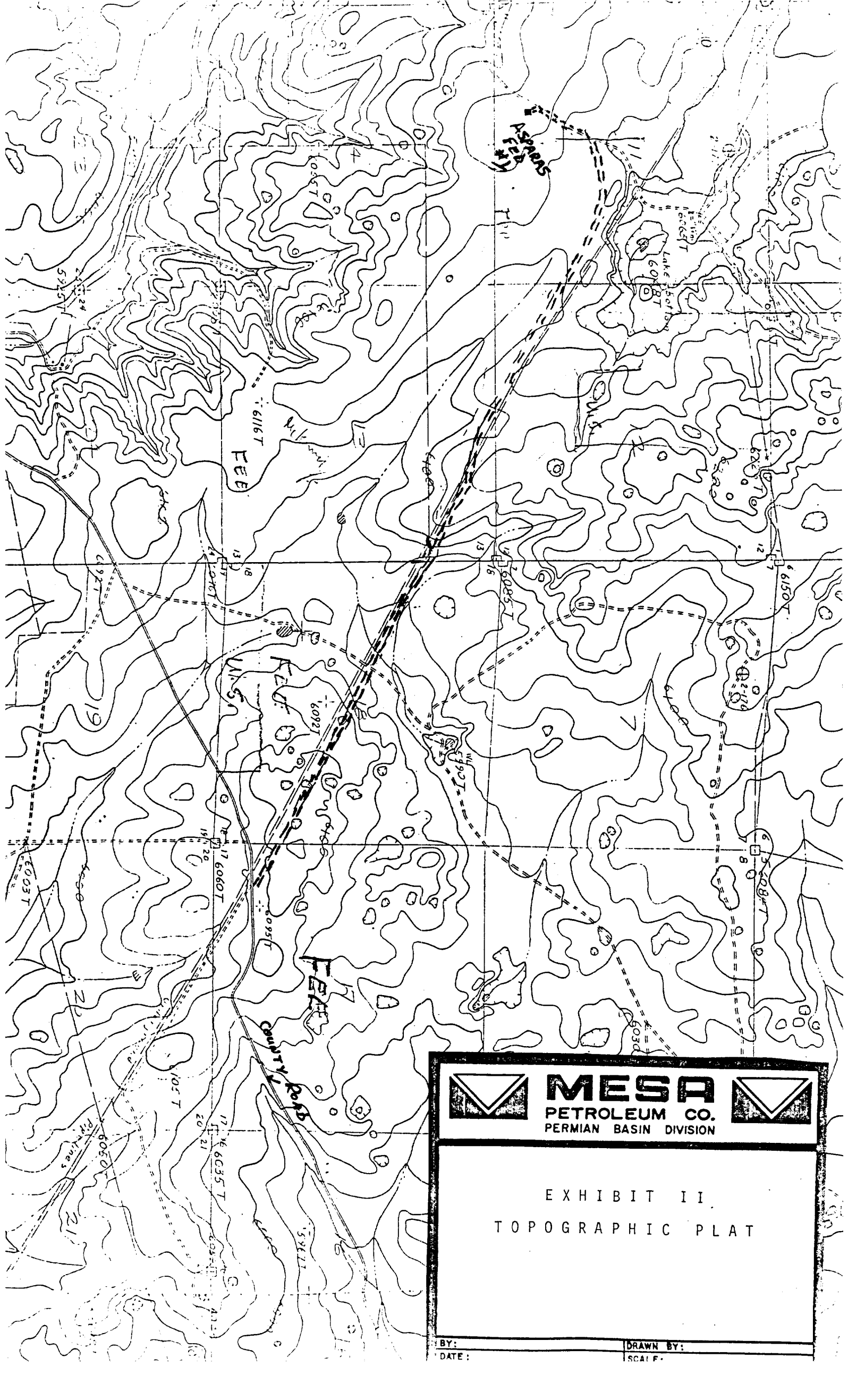
C. C. Wheeler
1000 Vaughn Building
Midland, Texas 79701
(915-683-5391) - Office
(915-683-6123) - Home

13. Certification

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

January 9, 1981
DATE

Michael P. Houston
Michael P. Houston
Operations Manager





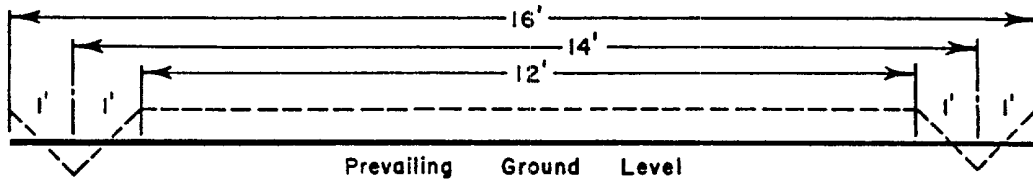
**MESA**
PETROLEUM CO.
PERMIAN BASIN DIVISION

EXHIBIT II
TOPOGRAPHIC PLAT

BY: _____
DATE: _____

DRAWN BY: _____
SCALE: _____

R - O - W 16'



ROADWAY CROSS SECTION

Horizontal Scale 1" = 3'

N ½ E PREVAILING GROUND \oplus LEVEL - ESSENTIALLY FLAT *S ½ W*

LOCATION CROSS SECTION

Horizontal Scale 1" = 50'



EXHIBIT III

LOCATION CONSTRUCTION

BY: REM DATE: 3-5-80 DRAWN BY: MLP SCALE: AS NOTED

