

m 9-31 C  
May 1983)

NM OIL CONS. COMMISSION  
Drawer DD  
Artesia, NM 88210

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

30-005-61193

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐  
TYPE OF WELL OIL ☐ GAS ☒ OTHER ☐  
SINGLE ZONE ☒ MULTIPLE ZONE ☐

NAME OF OPERATOR MESA PETROLEUM CO.  
ADDRESS OF OPERATOR 1000 VAUGHN BLDG. / MIDLAND, TEXAS 79701-4493

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1980' FNL & 660' FEL SE/NE 4  
At proposed prod. zone SAME

DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
37 MILES NORTH/NORTHEAST OF ROSWELL

DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)  
660' / 660'  
DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
2640'

ELEVATIONS (Show whether DF, RT, GR, etc.)  
3895' GR

PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
17 1/2"	13 3/8"	48#	900'
11"	8 5/8"	24#	1600'
7-7/8"	4 1/2"	10.5#	4100'

5. LEASE DESIGNATION AND SERIAL NO.  
NM 22615  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
CAMACK FED COM  
9. WELL NO.  
6  
10. FIELD AND POOL, OR WILDCAT  
UNDESIGNATED ABO  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SEC 12, T5S, R24E  
12. COUNTY OR PARISH  
CHAVES  
13. STATE  
NEW MEXICO

16. NO. OF ACRES IN LEASE  
1640  
17. NO. OF ACRES ASSIGNED TO THIS WELL  
160  
18. PROPOSED DEPTH  
4100'  
19. ROTARY OR CABLE TOOLS  
ROTARY  
20. APPROX. DATE WORK WILL START\*  
NOVEMBER 9, 1981

RECEIVED  
OCT 12 1981

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

Posted ID-1  
API + NL Book  
11-6-81

GAS IS DEDICATED.

XC: USGS (6), TLS, CEN RCDS, ACCGT, MEC, LAND, PARTNERS, FILE, REM, ROSWELL

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.

SIGNED R. P. Mark TITLE REGULATORY COORDINATOR DATE OCTOBER 8, 1981

(This space for Federal or State office use)  
PERMIT NO. \_\_\_\_\_ APPROVAL DATE OCT 30 1981 DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

## OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102  
Revised 10-1-78STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

All distances must be from the outer boundaries of the Section.

Operator <b>Mesa Petroleum Co.</b>		Lease <b>Camack Federal Com.</b>		Well No. <b>#6</b>
Well Letter <b>H</b>	Section <b>12</b>	Township <b>5 South</b>	Range <b>24 East</b>	County <b>Chaves</b>
Actual Footage Location of Well: 660 feet from the <b>East</b> line and 1980 feet from the <b>North</b> line				
Sound Level Elev. <b>3895</b>	Producing Formation <b>ABO</b>	Pool <b>UNDESIGNATED</b>	Dedicated Acreage: <b>NE/4 160</b> Acres	

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

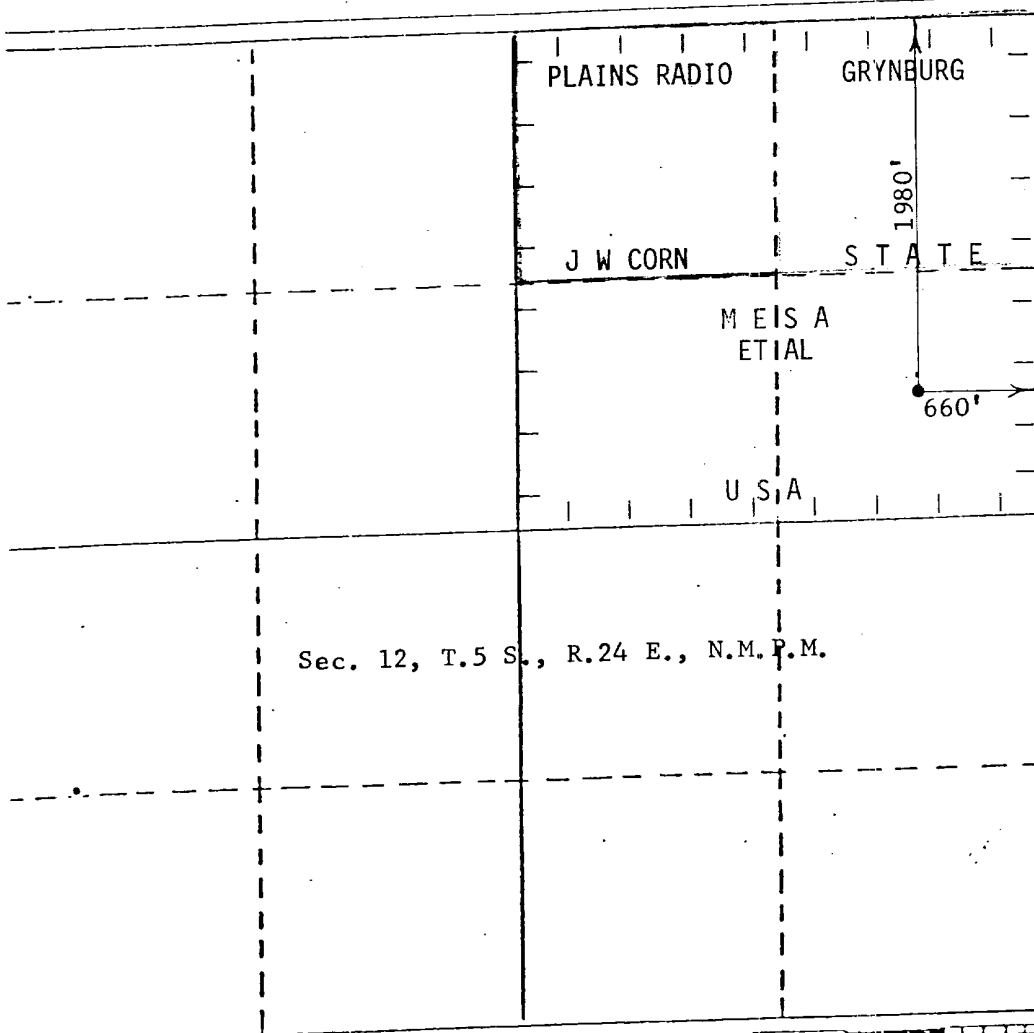
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 COMMUNITIZATION IN PROGRESS

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 Division.



## 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

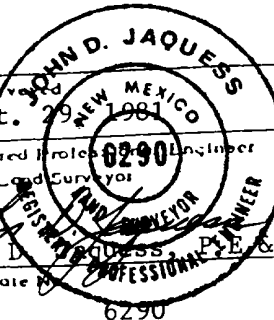
Company

MESA PETROLEUM CO.

Date

OCTOBER 8, 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  
Sept. 29, 1981Registered Professional Engineer  
and/or Land SurveyorJohn D. Jaquess P.E. & L.S.  
Certificate No. 6290

330 600 90 1370 1680 1980 2310 2640 2000 1500 1000 500 0

APPLICATION FOR DRILLING

CAMACK FED COM #6  
1980' FNL & 660' FEL, SEC 12, T5S, R24E  
CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 22615

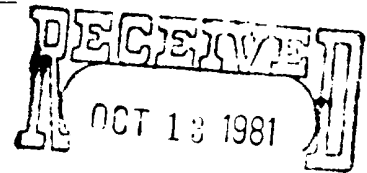
In conjunction with Form 9331-C, Application For Permit to Drill subject well, the following additional information is provided:

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
SAN ANDRES	556'
GLORIETA	1481'
TUBB	2978'
ABO	3599'
3. Hydrocarbon bearing strata may occur in the Abo formation(s). No fresh water is expected to be encountered below 900'.
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 900' 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.

MESA PETROLEUM CO.  
CAMACK FED COM #6  
1980' FNL & 660' FEL, SEC 12, T5S, R24E  
CHAVES COUNTY, NEW MEXICO

LEASE NO: NM 22615



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

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 37 miles Northeast of Roswell, New Mexico.
- B. Directions: Travel North from Roswell on US 285 approximately 25 miles to mile marker 139 and turn East on county road 8 miles, then Northeast 7 miles, then West 1/4 mile on lease road to the location.

2. Planned Access Road:

- A. Length and width: The new access road will be 12' wide (20' ROW) and approximately 1/4 mile of new road, 600' on Federal surface and 1000' on State ROW.

(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: In order for the location to be level, approximately 3' will be moved from the South to the North for fill.

3. Location of Existing Wells:

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

## Multi-Point Surface Use and Operation Plan

Page 2

### 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 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: Unknown.

### 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.

## Multi-Point Surface Use and Operation Plan

Page 3

### 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 be un-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: See NMAS, Inc. report.
- 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: Huggins Draw is 1/2 mile to the North.
- E. Residences and Other Structures: None.

Multi-Point Surface Use and Operation Plan

Page 4

- F. Land Use: Grazing.
- G. Surface Ownership: The wellsite is on private surface (Ewart).
- 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.

OCTOBER 8, 1981

DATE

Michael P. Houston

MICHAEL P. HOUSTON  
OPERATIONS MANAGER

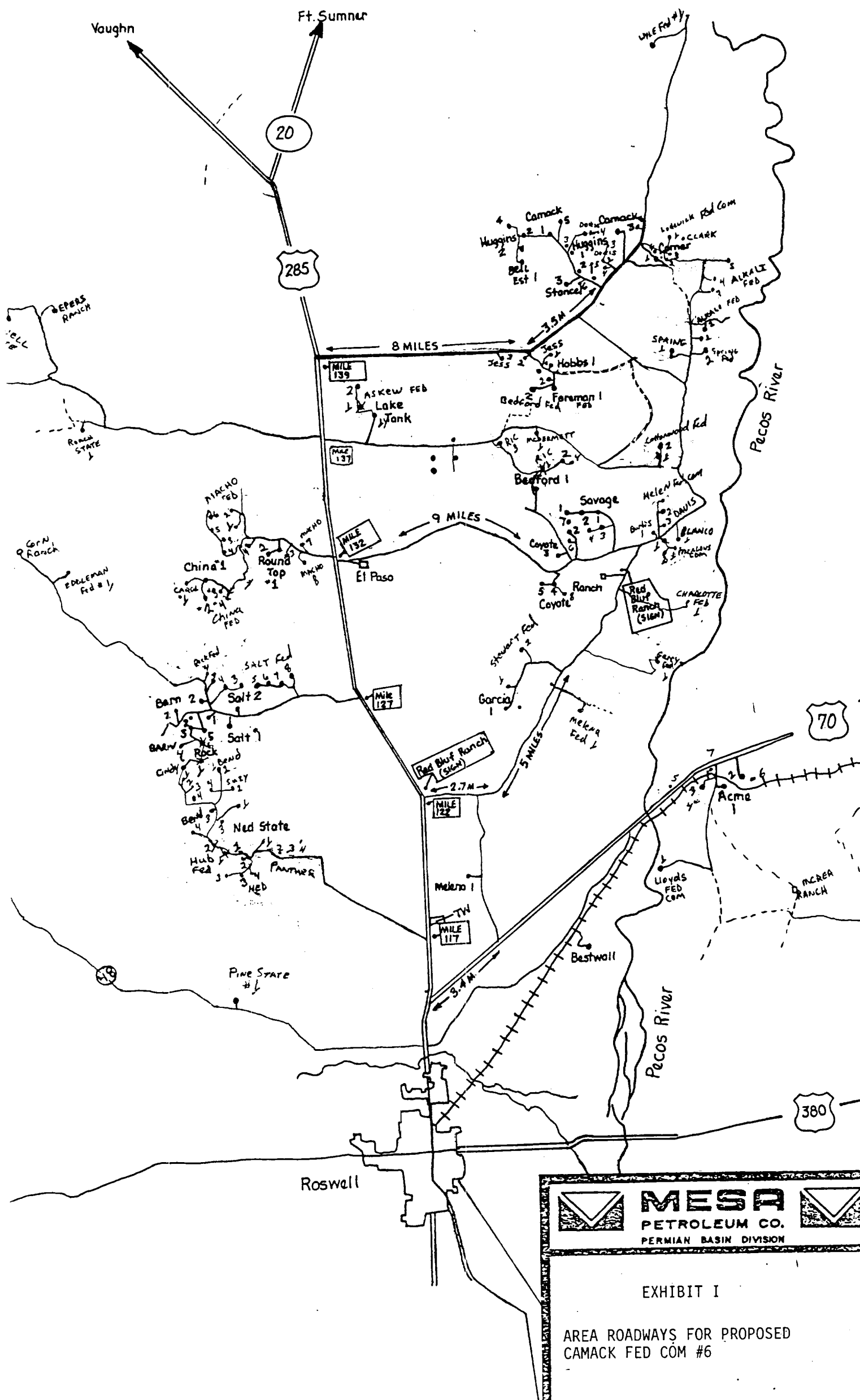
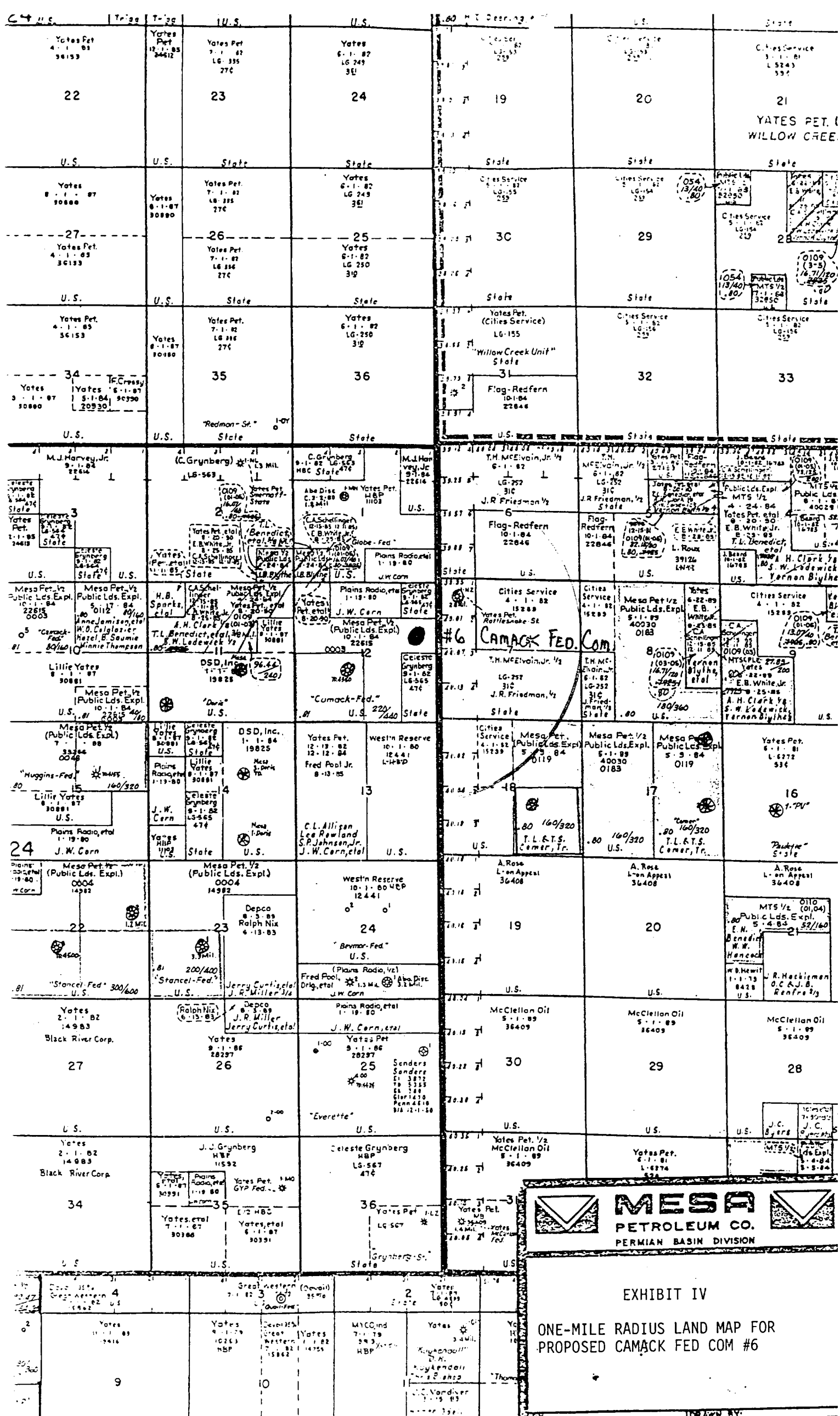


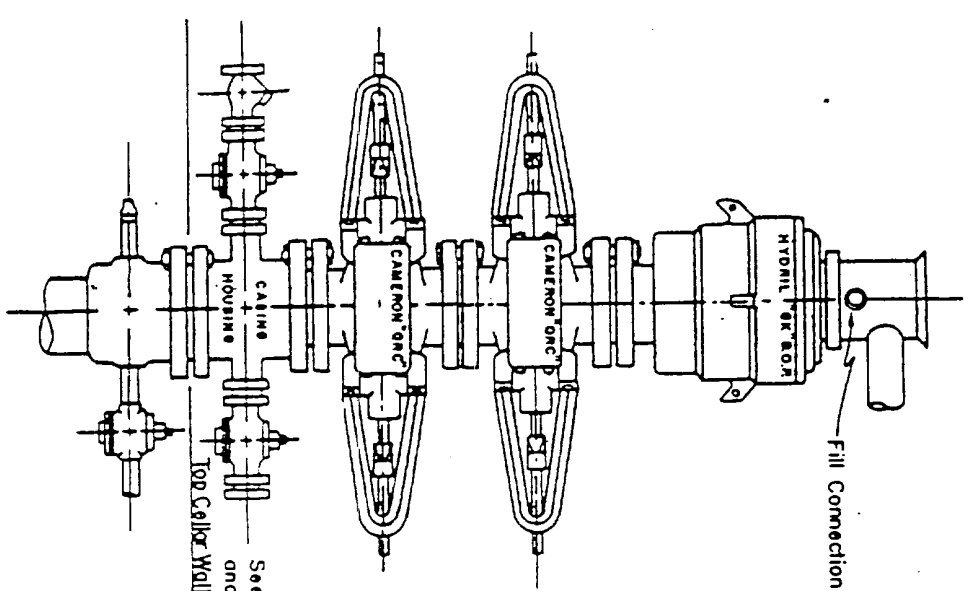
EXHIBIT I

AREA ROADWAYS FOR PROPOSED  
CAMACK FED COM #6

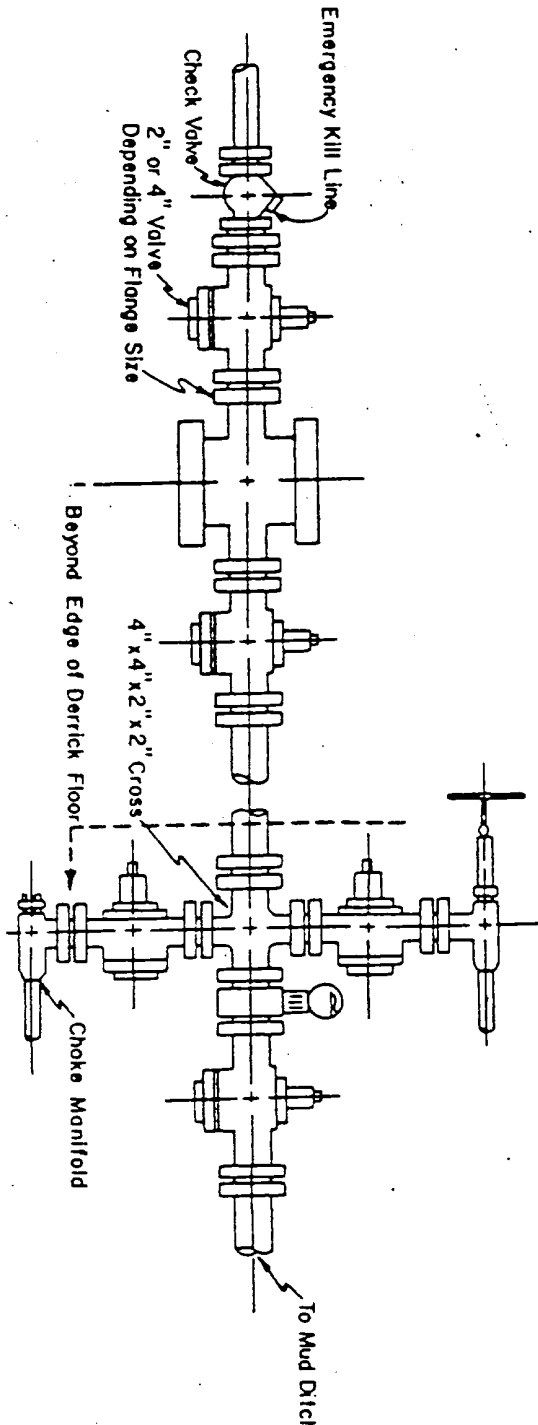




Blow-out Preventers hydril and choke manifold are all 900 Series



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

E X H I B I T  
V I