

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Alamogordo, NM 88210

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  
Mewbourne Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 5270 Hobbs, New Mexico 88241

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1980' FNL & 660' FWL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
10 miles north of Carlsbad, New Mexico

16. NO. OF ACRES IN LEASE  
280

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.  
6,300'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3295' GL

22. APPROX. DATE WORK WILL START\*  
Upon BLM approval

5. LEASE DESIGNATION AND SERIAL NO.  
NM-83584

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal "v"

9. WELL NO.  
3

10. FIELD AND POOL, OR WILDCAT  
Undes. Bone Spring (Oil)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 8-T20S-R28E

12. COUNTY OR PARISH  
Eddy

13. STATE  
N.M.

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"	24#	400'	200 sx. Class "C" Circulated
7-7/8"	5-1/2"	17#	6,300'	800 sx. Class "H" Tie back into surface casing.

Mud Program:

0 - 400' Spud mud with fresh water, gel and lime. LCM as needed.  
400 - 5,700' Brine water with lime and LCM as needed. Wt. 10.0 - 10.2.  
5,700 - 6,300' Brine water with starch, soda ash, caustic soda, salt gel and LCM as needed. Wt. 10.0 - 10.2.

BOP Program:

900 Series BOP and hydril and 8-5/8" surface casing.

Gas is 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 W. H. Cawley TITLE District Supt. DATE Sept. 16, 1991

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 10-18-91

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

ATTACHED U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

# OIL CONSERVATION DIVISION

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>MEWBOURNE OIL COMPANY</b>			Lease <b>FEDERAL "V"</b>		Well No. <b>3</b>
Unit Letter <b>E</b>	Section <b>8</b>	Township <b>20 SOUTH</b>	Range <b>28 EAST</b>	County <b>NMPM EDDY</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>NORTH</b> line and <b>660</b> feet from the <b>WEST</b> line					
Ground level Elev. <b>3295</b>		Producing Formation <b>Bone Spring</b>	Pool <b>Undesignated Bone Spring (Oil)</b>	Dedicated Acreage: <b>40 Acres</b>	

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 interest 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 interest, has been approved by the Division.

### OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

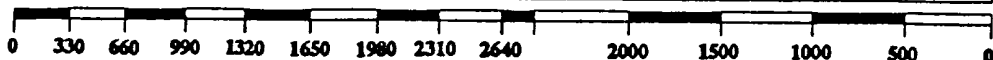
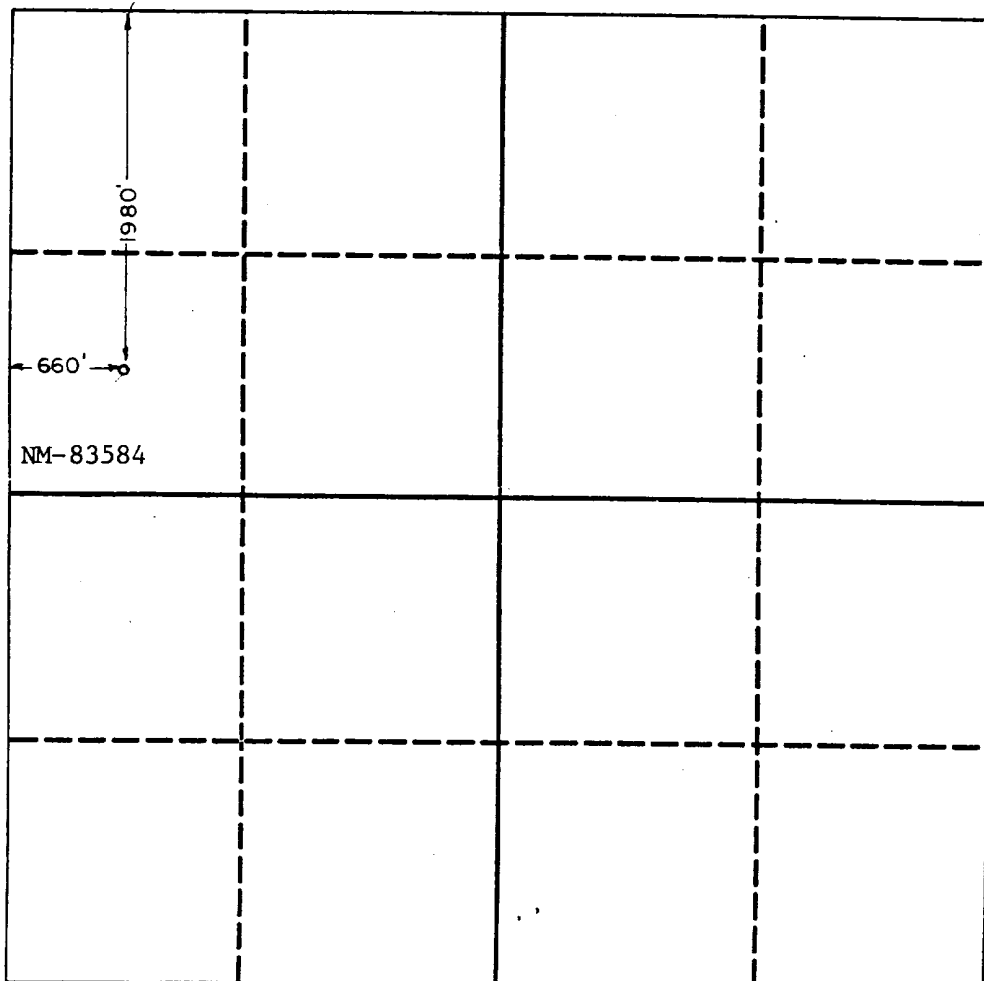
Signature  
*W.H. Cravey*  
Printed Name  
**W.H. Cravey**  
Position  
**District Supt.**  
Company  
**Mewbourne Oil Co.**  
Date  
**Sept. 16, 1991**

### SURVEYOR CERTIFICATION

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.

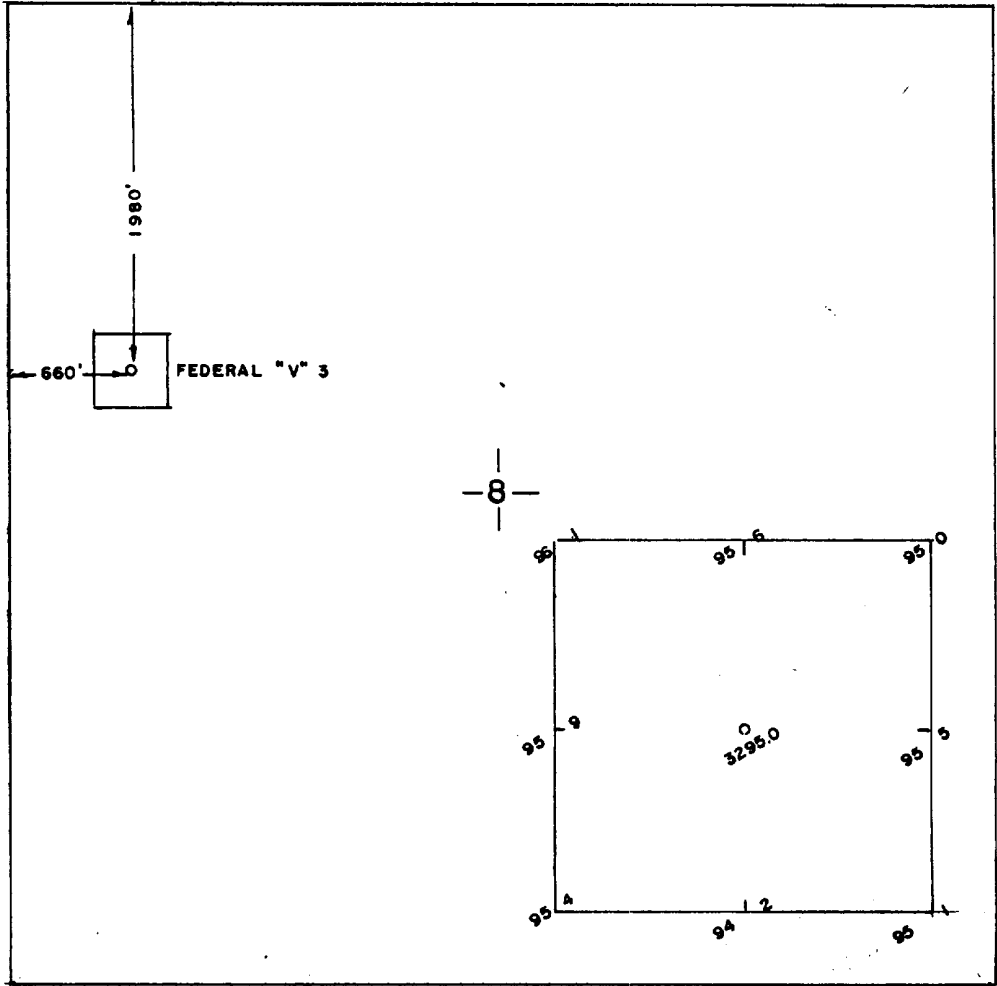
Date Surveyed  
**9/09/91**

Signature  
*Herschel L. Jones*  
Professional Surveyor  
**HERSCHEL L. JONES**  
Certificate No. **36448**  
EXPIRED LAND SURVEYOR



MEWBOURNE OIL COMPANY  
FEDERAL "V" #3  
SECTION 8, T.20 S., R.28 E.,  
EDDY COUNTY, NEW MEXICO

JOB No.



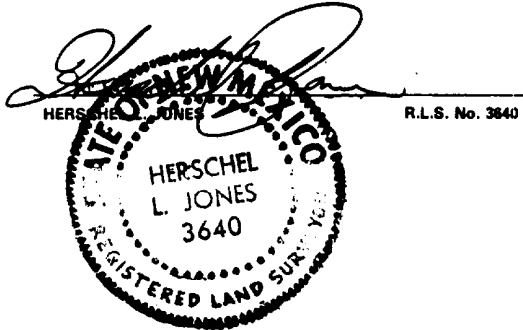
THE PREPARATION OF THIS PLAT AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED\* WERE DONE UNDER MY DIRECTION AND THE PLAT ACCURATELY DEPICTS THE RESULTS OF SAID SURVEY AND MEETS THE REQUIREMENTS OF THE STANDARDS FOR LAND SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

MEWBOURNE OIL COMPANY

FEDERAL "V" #3  
1980/N & 660/W  
Sec.8, T.20 S., R.28 E.,  
NMPM, EDDY COUNTY, NEW MEXICO

P.O. Box 996 Lovington, New Mexico 88260

SCALE: 1" = 1000' DRAWN BY: erb  
DATE: 9/10/91 SHEET OF



MULTI-POINT SURFACE USE AND OPERATING PLAN

MEWBOURNE OIL COMPANY

FEDERAL "V" WELL NO. 3

1980' FNL & 660' FWL Of SEC. 8-T20S-R28E

EDDY COUNTY, NEW MEXICO

NEW MEXICO LEASE NO. 83584

This plan is submitted with the Application for Permit to Drill (APD) the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan and the magnitude of necessary surface disturbance involved, so that a complete appraisal can be made of the enviromental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of an Eddy County, New Mexico road map showing the location of the proposed well as staked. From the junction of U.S. Highway 285 and North Canal Street in Carlsbad, New Mexico, proceed North on Canal Street, which becomes Eddy County road #206 for 10 miles. Turn right (East) on Eddy County road #237 and proceed 1 1/8 miles. Turn left (North) into location.
- B. Culverts: None required.
- C. Cuts and Fills: A one foot cut will be required for construction of the location.
- D. Turn-Outs: One required.
- E. Gates and Cattleguards: None required.

2. LOCATION OF EXISTING WELLS:

- A. Existing wells in a 1 mile radius are shown on Exhibit "B".

3. LOCATION OF PROPOSED FACILITIES:

- A. If the well is productive, production will be transported to the Federal "V" production facility located in Unit letter "B", via a 2-3/8" steel flowline. The flowline will parallel existing roadways that have already received archaeological clearence thereby minimizing further disturbance. This flowline will be installed on the surface.

4. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water will be purchased and trucked to the wellsite over the existing and proposed roads shown on Exhibits "A" and "AA".

5. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche for surfacing the road and location could possibly be obtained from the construction site. In the event that construction material can not be obtained at the wellsite, caliche will be taken from a BLM pit located in the NW4/SE4 of Sec. 12-T20S-R27E, which would be BLM pit # 20282107.

6. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cutting will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human water will be complied with.
- E. All trash, junk and other waste material will be contained to prevent scattering and will be removed and deposited in an approved sanitary landfill.
- F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

7. ANCILLIARY FACILITIES:

- A. None required.

8. WELLSITE LAYOUT:

- A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit and location of major rig components.
- B. The pad and pit area has been staked and flagged.

9. PLANS AND RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operation 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. The estimated tops of geologic markers are as follows:

Yates	630'
San Andres	1750'
Delaware	3000'
Bone Springs	4500'

C. The estimated depths at which anticipated water, oil or gas are expected to be encountered:

Water: Possible surface water between 100'-300'.

Oil: Delaware @ 3000'.

Gas: None

D. Proposed Casing Program: See Form 9-331C.

E. Pressure Control Equipment: See Form 9-331C and Exhibit "D".

F. Mud Program: See Form 9-331C.

G. Auxiliary Equipment: None.

H. Testing and Coring Program: No DST's are anticipated. Possible cores taken from Delaware and Bone Spring formations.

Logging: Gamma Ray - Spectral  
Density - Dual Spaced Neutron Log; TD to surface  
Gamma Ray - Dual Laterolog  
Microguard Log - TD to Intermediate casing

I. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the weight.

J. Anticipated Starting Date: As soon as possible after BLM approval.

10. OTHER INFORMATION:

The geologic surface formation consists of hard clay interspersed with sand and chert outcroppings. Vegetative cover is generally sparse and consist mostly of greasewood and bear grass.

11. OPERATOR'S REPRESENTATIVE

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

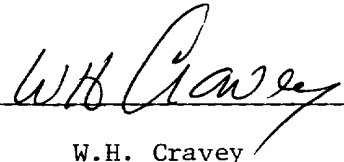
W.H. Cravey	701 S. Cecil	Phone: (505) 393-5905
Ben Cook	P.O. Box 5270	24 Hr. Answering
Greg Milner	Hobbs, N.M.	Service
	88241	

12. 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 condition 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 Mewbourne Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

September 17, 1991

Date

A handwritten signature in dark ink, appearing to read 'W.H. Cravey', is written over a horizontal line.

W.H. Cravey  
District Superintendent  
Mewbourne Oil Company





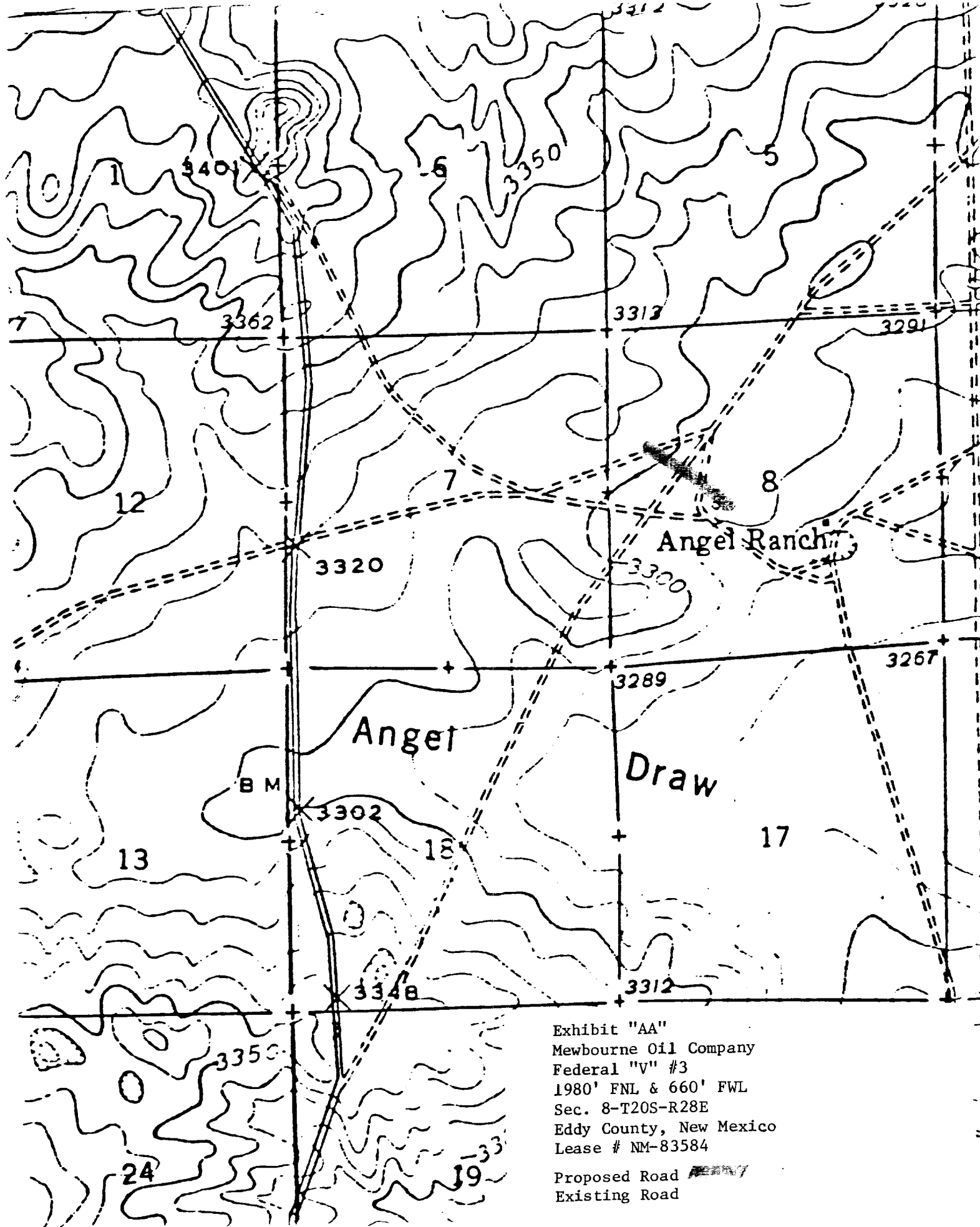
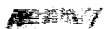



Exhibit "AA"  
Mewbourne Oil Company  
Federal "V" #3  
1980' FNL & 660' FWL  
Sec. 8-T20S-R28E  
Eddy County, New Mexico  
Lease # NM-83584

Proposed Road   
Existing Road 



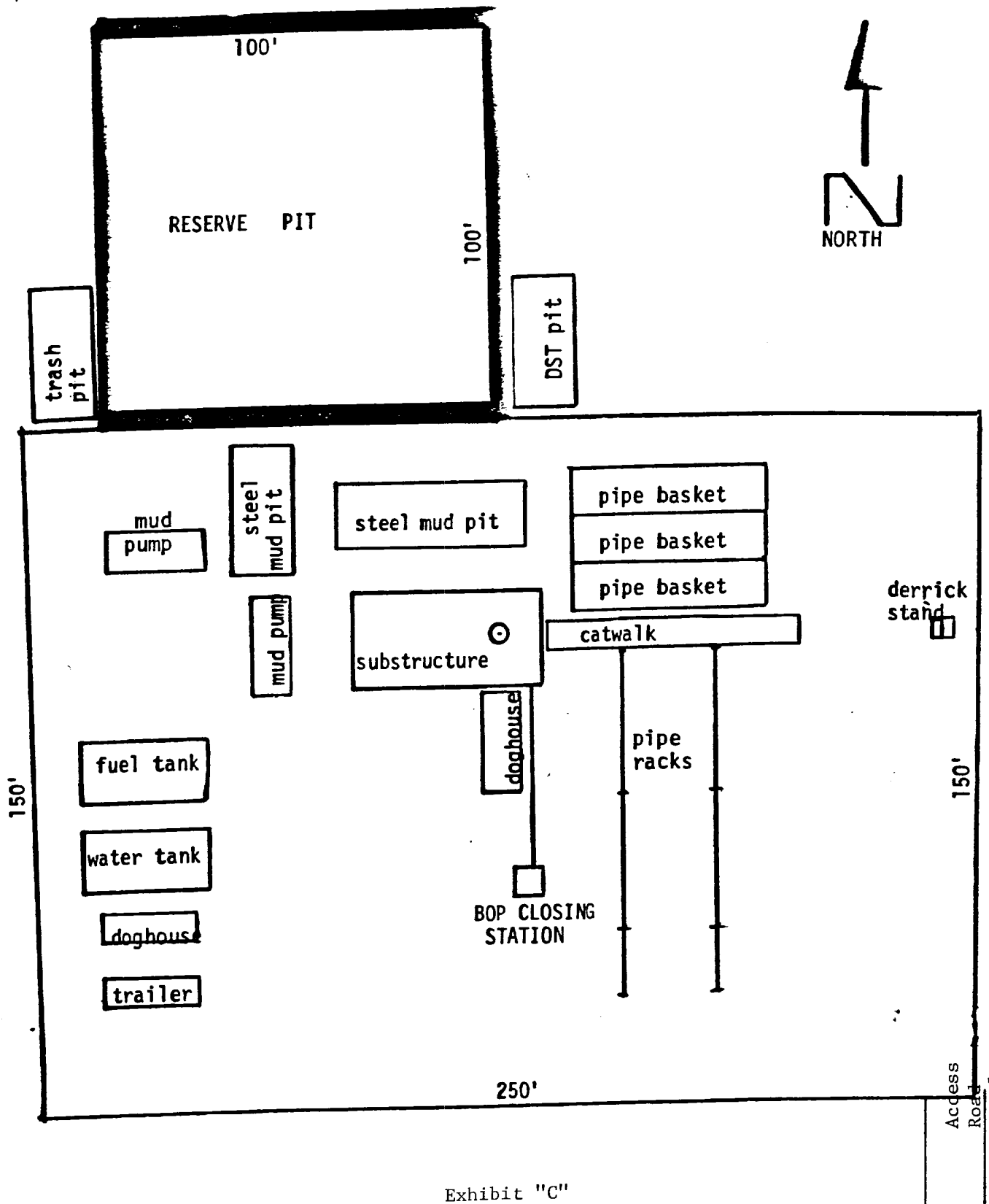


Exhibit "C"  
 Mewbourne Oil Company  
 Federal "V" #3  
 1980' FNL & 660' FWL  
 Sec. 8-T20S-R28E  
 Eddy County, New Mexico  
 Lease # NM-83584

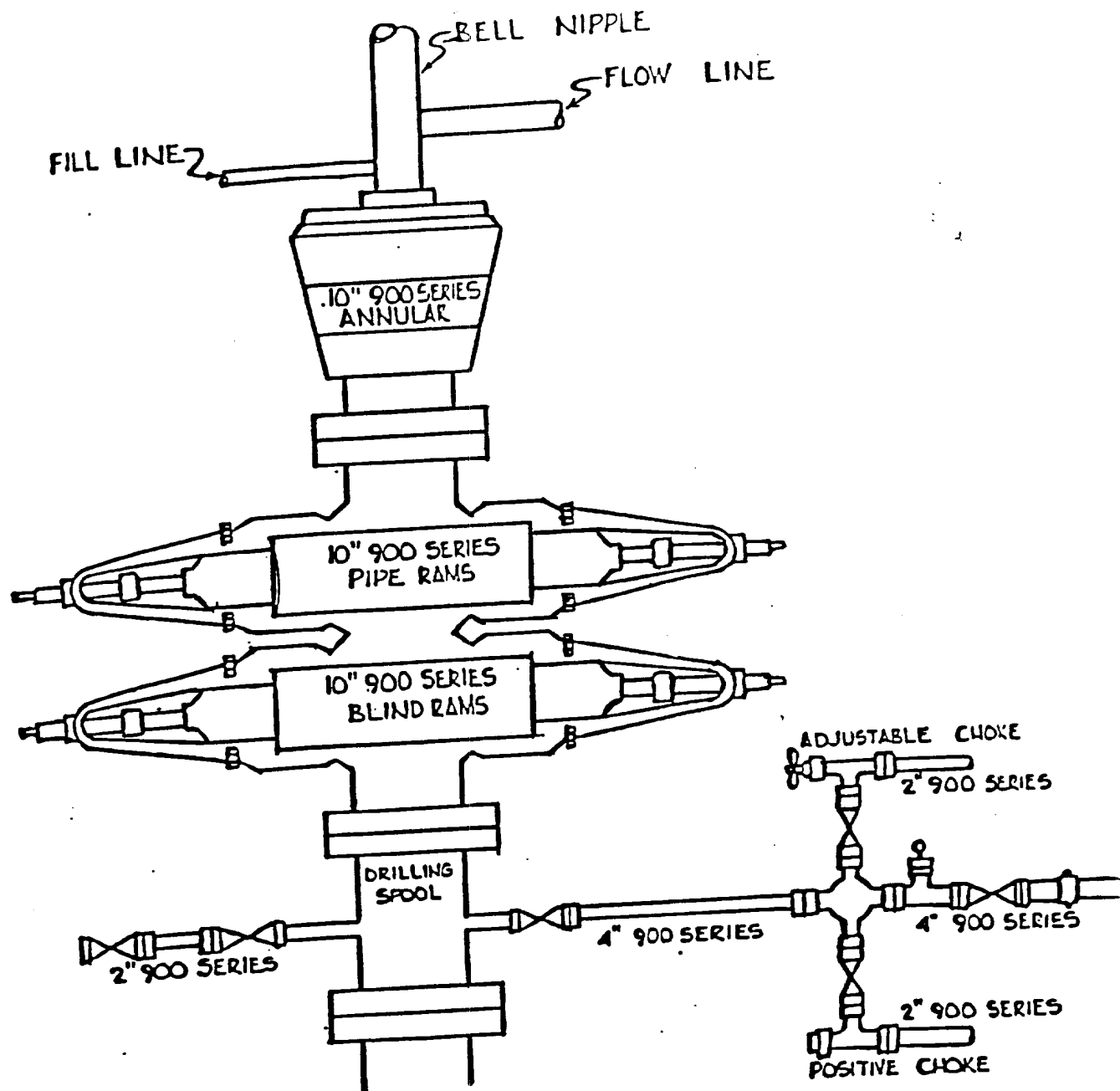


Exhibit "D"  
 Mewbourne Oil Company  
 Federal "V" #3  
 1980' FNL & 660' FWL  
 Sec. 8-T20S-R28E  
 Eddy County, New Mexico  
 Lease # NM-83584