

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

SUBMIT IN TRIPPLICATE\*  
(Other ins. on  
revers e)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.

NM-83583

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Burton Flat "7" Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

X Burton Flat Morrow Gas

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

Sec. 7-T20S-R28E

12. COUNTY OR PARISH 13. STATE

Eddy

N.M.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

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' FSL & 660' FEL

At proposed prod. zone

Same

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

10 miles North of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\*

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

1980'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

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

19. PROPOSED DEPTH

11,200'

20. ROTARY OR CABLE TOOLS

Rotary

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

3304' GR

22. APPROX. DATE WORK WILL START\*

Upon BLM Approval

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"	61#	450'±	400 sks. Class "C" Circulated
11"	8-5/8"	24 & 32#	3,000'±	1200 sks. Tie back into Class
7-7/8"	5-1/2"	17# & 20#	11,200'±	"C" surface casing. 800 sks. Class "H"

Mud Program

- 0' - 450' Spud mud w/fresh water gel and lime. LCM as needed.
- 450' - 3,000' Brine water, LCM as needed.
- 3,000' - 9,500' Cut brine w/lime for pH control. Wt. 9.2-9.6 ppg, WL - NC, LCM as needed.
- 9,500' - 11,200' WL 10 cc or less. Raise wt. accordingly if abnormal pressures are encountered. Cut brine w/driscap, salt gel, lime, soda ash and starch. Wt. 9.2-9.6 ppg.

BOP Program

900 series BOP and hydril on 13 3/8" surface casing and 8 5/8" intermediate 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. Ramsey*

TITLE

District Supt.

DATE

February 28, 1991

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CARLSBAD DISTRICT OFFICE

DATE

4-1-91

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

Title 18 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.

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer 220, Artesia, NM 88210

DISTRICT III

1000 Rio Arriba Rd., Artesia, NM 87410

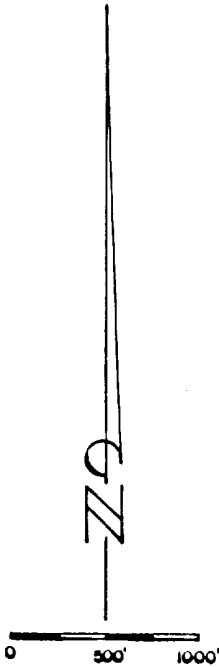
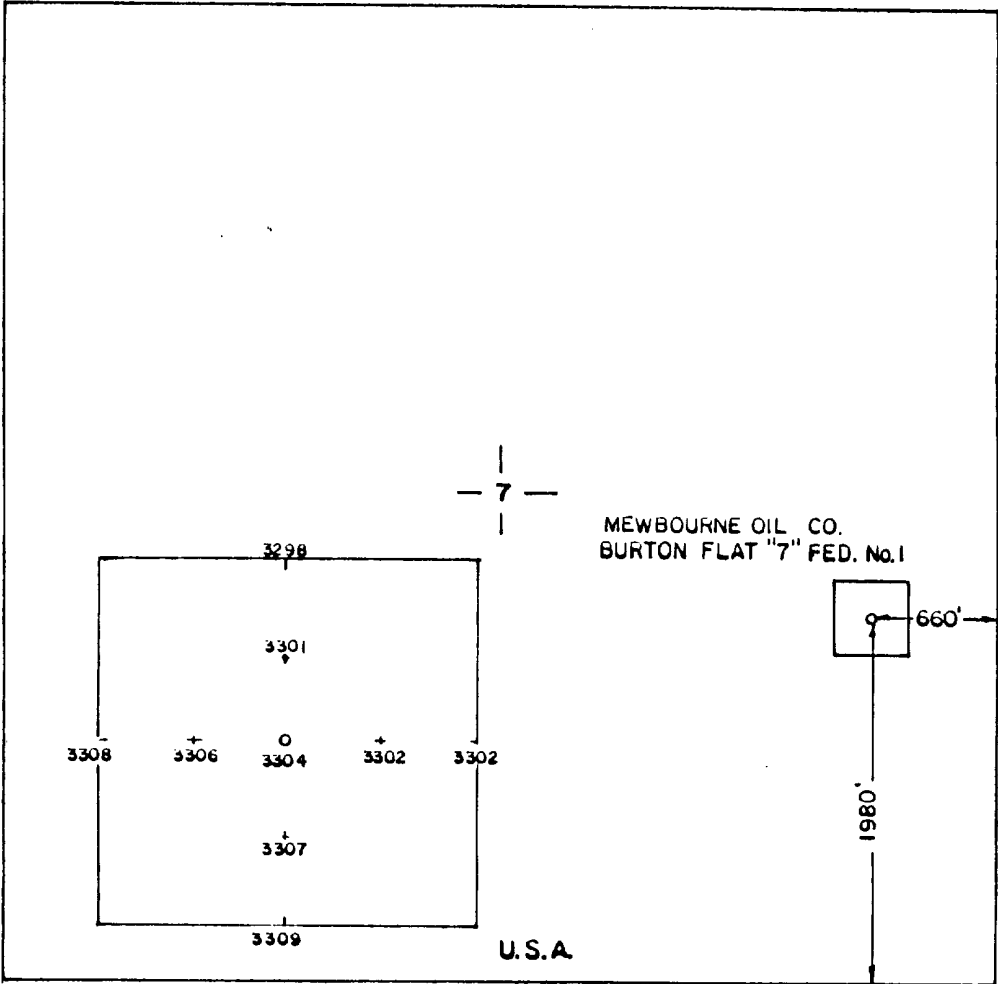
## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>MEWBOURNE OIL COMPANY</b>			Lease <b>BURTON FLATS "7" FEDERAL</b>		Well No. <b>1</b>
Unit Letter <b>I</b>	Section <b>7</b>	Township <b>20 SOUTH</b>	Range <b>28 EAST</b>	County <b>NM/PM EDDY</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>EAST</b> line					
Ground level Elev. <b>3304</b>	Producing Formation <b>Morrow</b>		Pool <b>Burton Flat Morrow (Gas) Pool</b>		Dedicated Acreage: <b>320 Acres</b>
<p>1. Outline the acreage dedicated to the subject well by colored pencil or inkchain marks on the plat below.</p> <p>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).</p> <p>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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and trust descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					
				<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>W.H. Cravey</u> Printed Name <u>W.H. Cravey</u> Position <u>District Supt.</u> Company <u>Mewbourne Oil Co.</u> Date <u>February 6, 1991</u>	
				<b>SURVEYOR CERTIFICATION</b> 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 <u>1/29/91</u> Signature & Seal of Professional Surveyor <u>[Signature]</u> Certificate No. <u>3640</u>	

R. 28 E.

T.  
20  
S.



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.

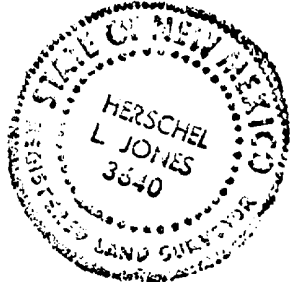
MEWBOURNE OIL COMPANY

BURTON FLAT "7" FEDERAL #1  
1980/S & 660/E  
Sec.7, T.20 S., R.28 E.,  
EDDY COUNTY, NEW MEXICO

P.O. Box 996

Lovington, New Mexico 88260

*Herschel L. Jones*  
HERSCHEL L. JONES R.L.S. No. 3840



SCALE:      "      =      '	DRAWN BY:
DATE:      1/29/91	SHEET      OF

MULTI-POINT SURFACE USE AND OPERATING PLAN

MEWBOURNE OIL COMPANY

BURTON FLAT "7" FEDERAL WELL NO. 1

1980' FSL & 660' FEL OF SEC. 7-T20S-R28E

EDDY COUNTY, NEW MEXICO

NEW MEXICO LEASE NO. 83583

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. The surface to be disturbed is privately owned and a surface use agreement has been signed with the land owner.

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 for 3/4 miles. Turn right for 1/4 mile into location.
- B. Culverts: None required.
- C. Cuts and Fills: A three and one half foot cut will be required for construction of the location.
- D. Turn-Outs: None 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, all production facilities will be constructed on the existing pad and no additional surface disturbance will occur.

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 cannot be obtained at the wellsite, caliche will be taken from a BLM pit located in the NW4/SE4 of Section 12-T20S-R27E, which would be BLM pit # \_\_\_\_\_.

6. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings 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 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.

10. OTHER INFORMATION:

The geologic surface formation consists of sandy clay loams and loamy sands. Vegetative cover is mostly mesquite, javeline bush, fluff grass and broom weed.

B. The estimated tops of geologic markers are as follows:

Deleware	2865'	Strawn	10,054'
Bone Springs	4611'	Atoka	10,524'
Wolfcamp	8649'	Morrow	10,752'
Canyon	9662'	Chester	11,258'

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

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

Oil: Deleware @ 2865'.

Gas: Wolfcamp @ 8649'.

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: Mud-gas seperator and PVT system  
from 6,000' - T.D.

H. Testing and Coring Program: Possibility of 5 DST's in the  
following zones:  
Wolfcamp, Canyon, Strawn,  
Atoka and Morrow.  
No cores are planned at this time.

Logging: Gamma Ray - Spectral  
Density - Dual Spaced Neutron Log; T.D. to surface.  
Gamma Ray - Dual Latero Log  
Microguard Log - T.D. 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.

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  
Erick Nelson  
Ben Cook

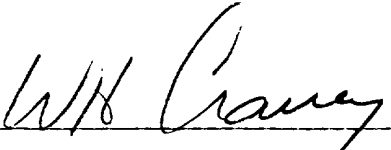
701 S. Cecil Street  
P.O. Box 5270  
Hobbs, New Mexico  
88241  
Phone: (505) 393-5905

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

February 28, 1991

Date

  
\_\_\_\_\_  
W.H. Cravey  
District Superintendent  
Mewbourne Oil Company

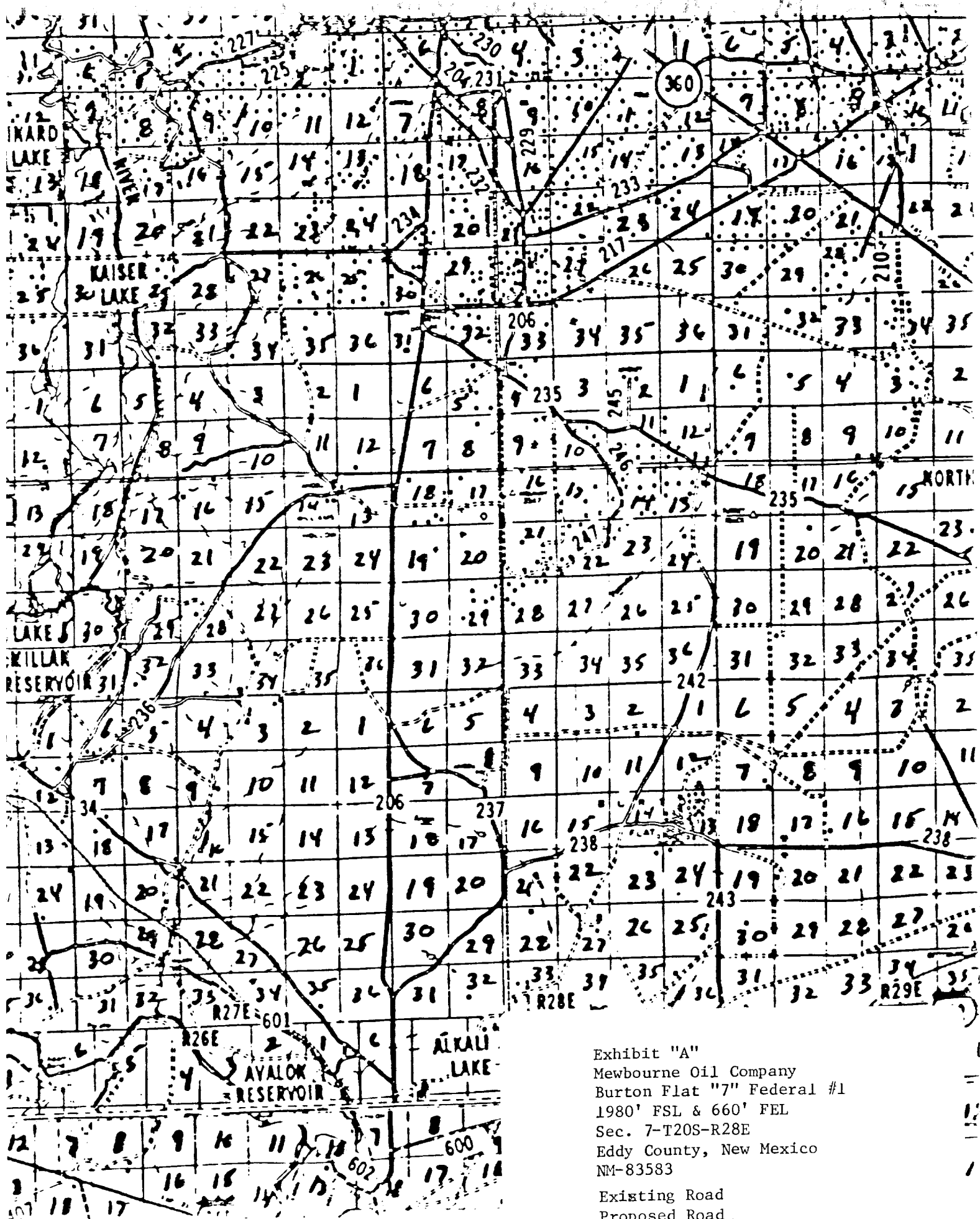


Exhibit "A"  
 Newbourne Oil Company  
 Burton Flat "7" Federal #1  
 1980' FSL & 660' FEL  
 Sec. 7-T20S-R28E  
 Eddy County, New Mexico  
 NM-83583  
 Existing Road  
 Proposed Road



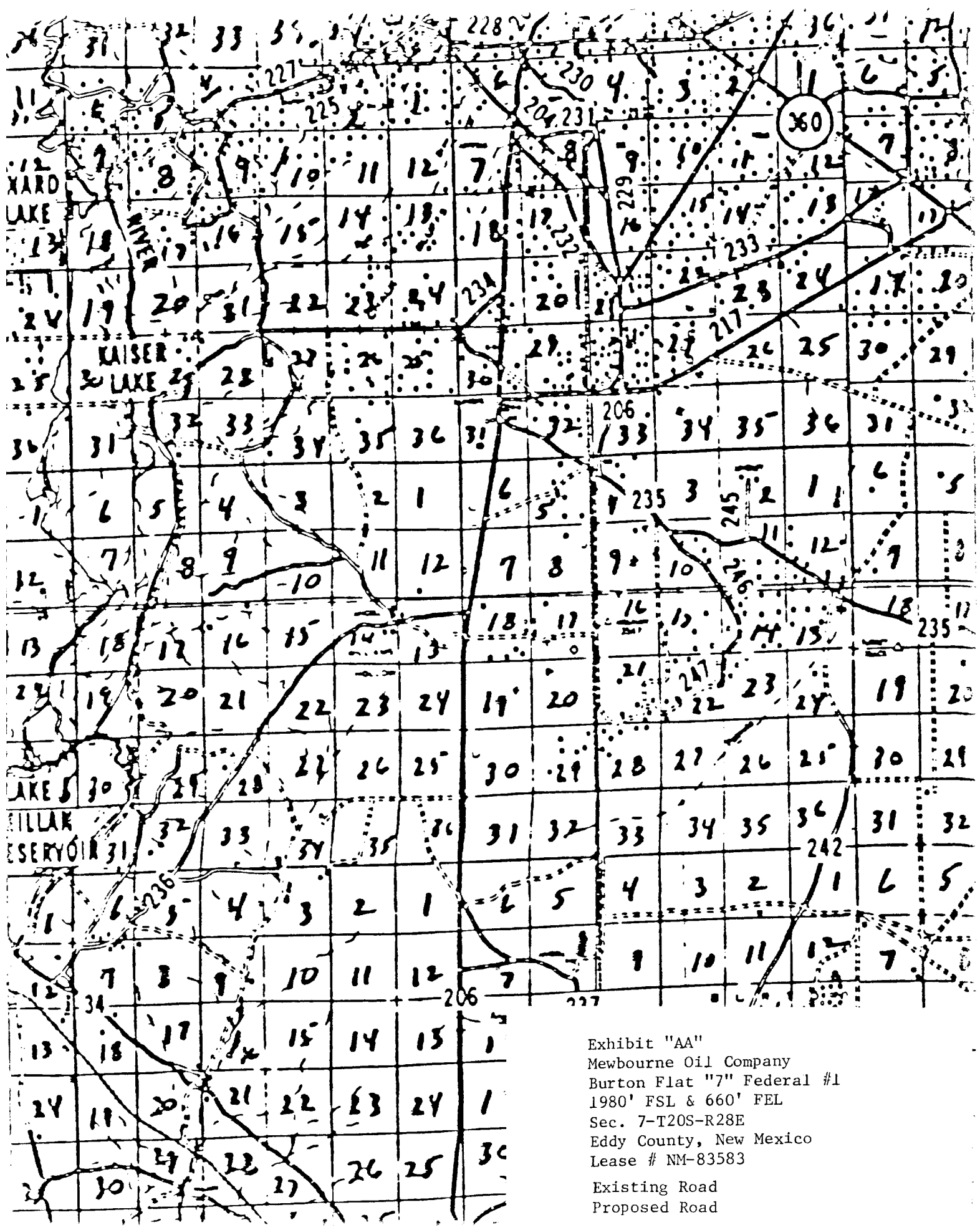


Exhibit "AA"  
Mewbourne Oil Company  
Burton Flat "7" Federal #1  
1980' FSL & 660' FEL  
Sec. 7-T20S-R28E  
Eddy County, New Mexico  
Lease # NM-83583  
  
Existing Road  
Proposed Road



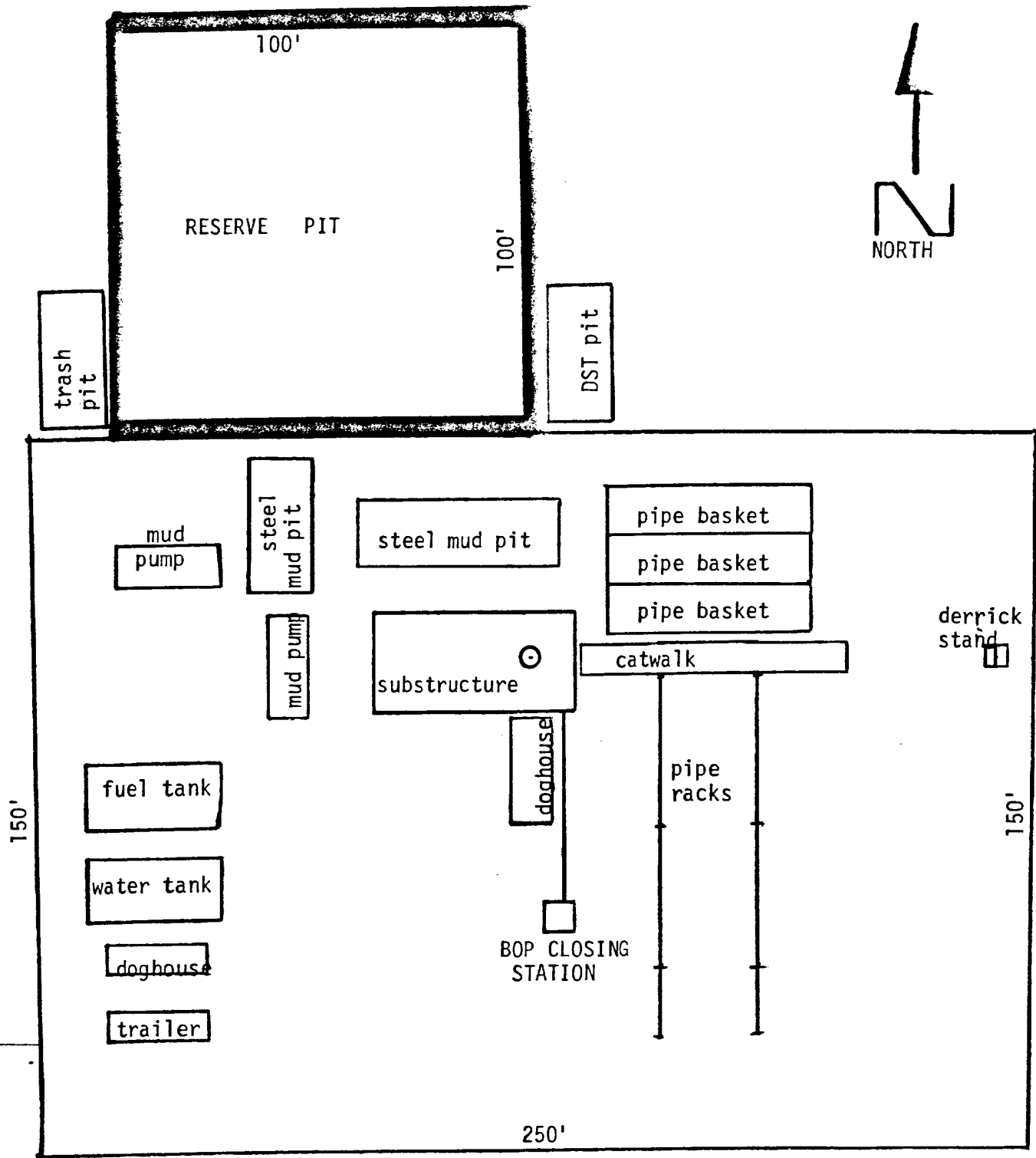


Exhibit "C"  
 Mewbourne Oil Company  
 Burton Flat "7" Federal #1  
 1980' FSL & 660' FEL  
 Sec. 7-T20S-R28E  
 Eddy County, New Mexico  
 Lease # NM-83583

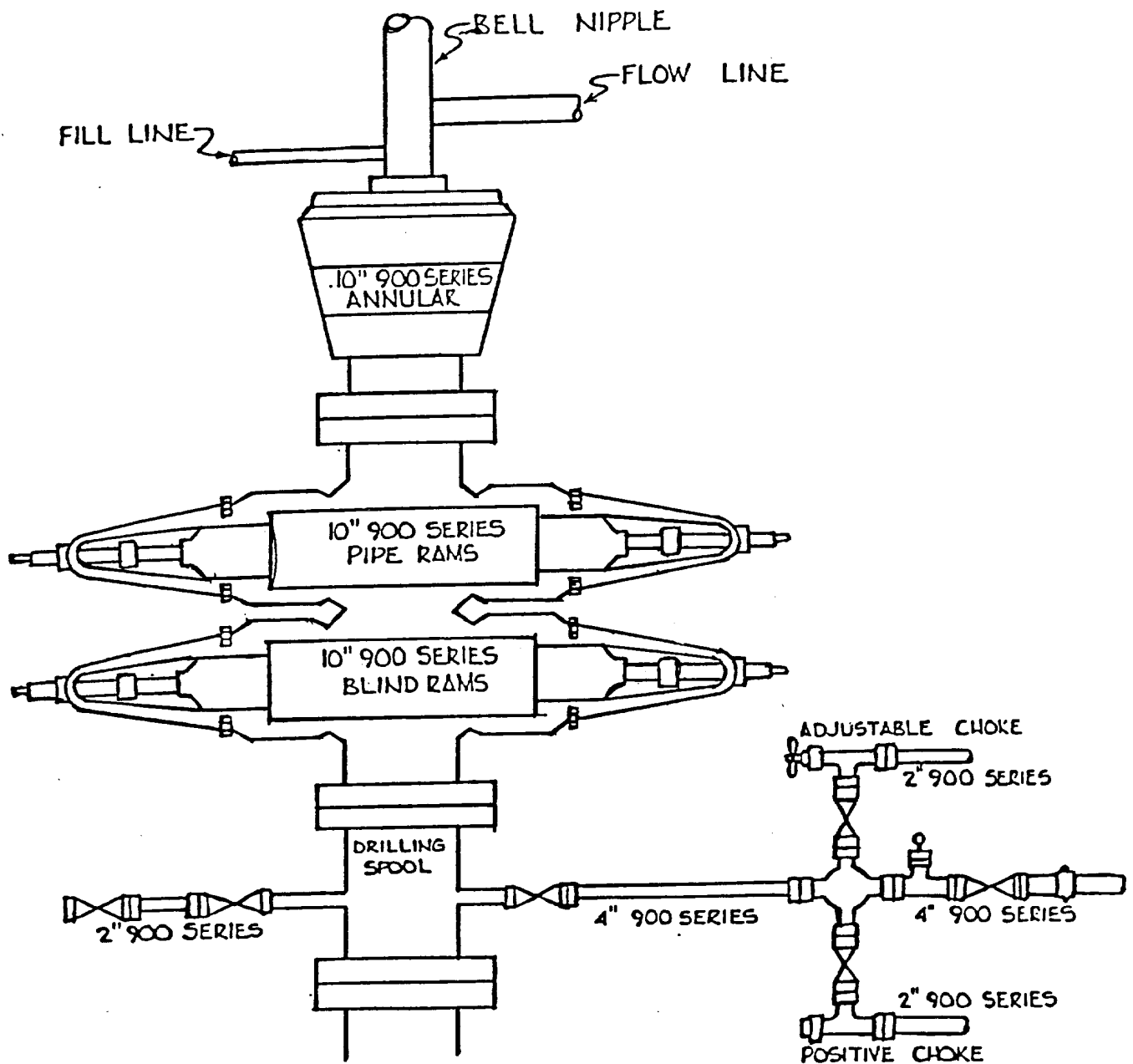


Exhibit "D"  
Mewbourne Oil Company  
Burton Flat "7" Federal #1  
1980' FSL & 660' FEL  
Sec. 7-T20S-R28E  
Eddy County, New Mexico  
Lease # NM-83583