

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Alameda, 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

Surface: 1650' FSL & 1650' FEL

At proposed prod. zone

Bottom: 1350' FSL & 1980' FWL

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

10 miles Southeast of Artesia, New Mexico

10. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1650'

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

16. NO. OF ACRES IN LEASE

120

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

19. PROPOSED DEPTH,

TVD: 9800'

MD: 10,100'

20. ROTARY OR CABLE TOOLS

Rotary

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

3287.2 G.L.

KOZ @ 4800'

Build 1.5" per 100'

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#	400'±	400 sx. Class "C" circulated.
11"	8-5/8"	24# & 32#	4,500'±	1800 sx. Class "C" Tie back to surface casing.
7-7/8"	5-1/2"	17# & 20#	10,100'±	800 sx. Class "H"

Mud Program:

- 0' - 400' Spud mud with fresh water, gel and lime. LCM as needed.
400' - 4,500' Brine water, LCM as needed.
4,500' - 10,100' Cut brine, Drispac, salt gel, lime, soda ash and starch. Wt. 9.2-9.6
Raise weight accordingly if abnormal pressures are encountered.

BOP Program:

900 Series BOP and hydril on 13-3/8" surface casing and 8-5/8" Intermediate casing.

If well is successful it will be communitized.

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. Cravey

TITLE District Superintendent

DATE May 7, 1991

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

APPROVAL SUBJECT TO IF ANY:

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

*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 DD, Azusa, NM 88210

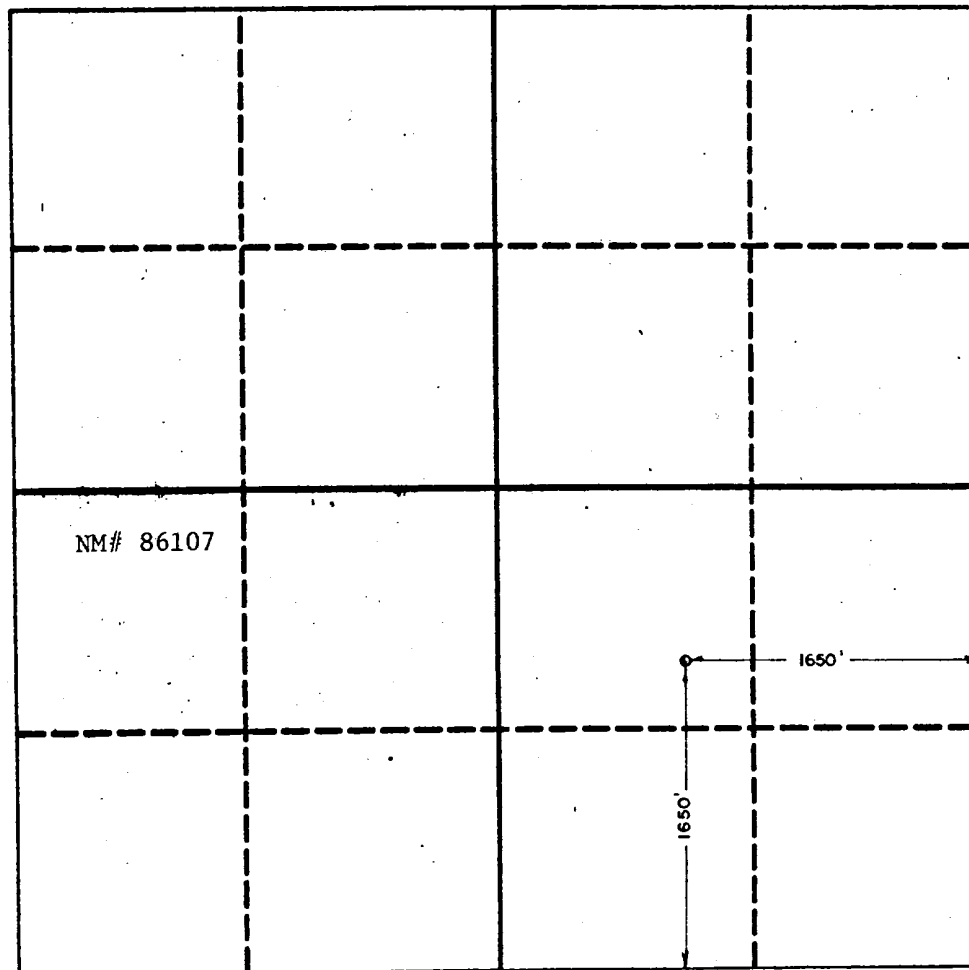
DISTRICT III
1000 Rio Arriba Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator MEWBOURNE OIL COMPANY			Lease KAISER LAKE FEDERAL		Well No. 1
Unit Letter J	Section 32	Township 18 SOUTH	Range 27 EAST	County NM/PM	EDDY
Actual Footage Location of Well: 1650 feet from the SOUTH line and 1650 feet from the EAST line					
Ground level Elev. 3287.2	Producing Formation Morrow		Pool Lake East Morrow		Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 communitization
If answer is "no" list the owners and trust 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 FOR:

Printed Name

W.H. Cravey

Position

District Supt.

Company

Mewbourne Oil Co.

Date

May 02, 1991

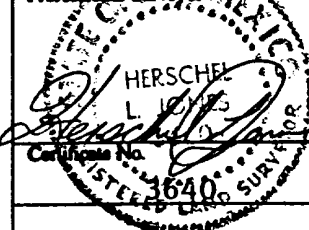
SURVEYOR CERTIFICATION

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

3/22/91

Signature & Seal of
Professional Surveyor



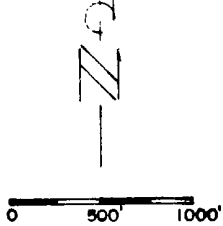
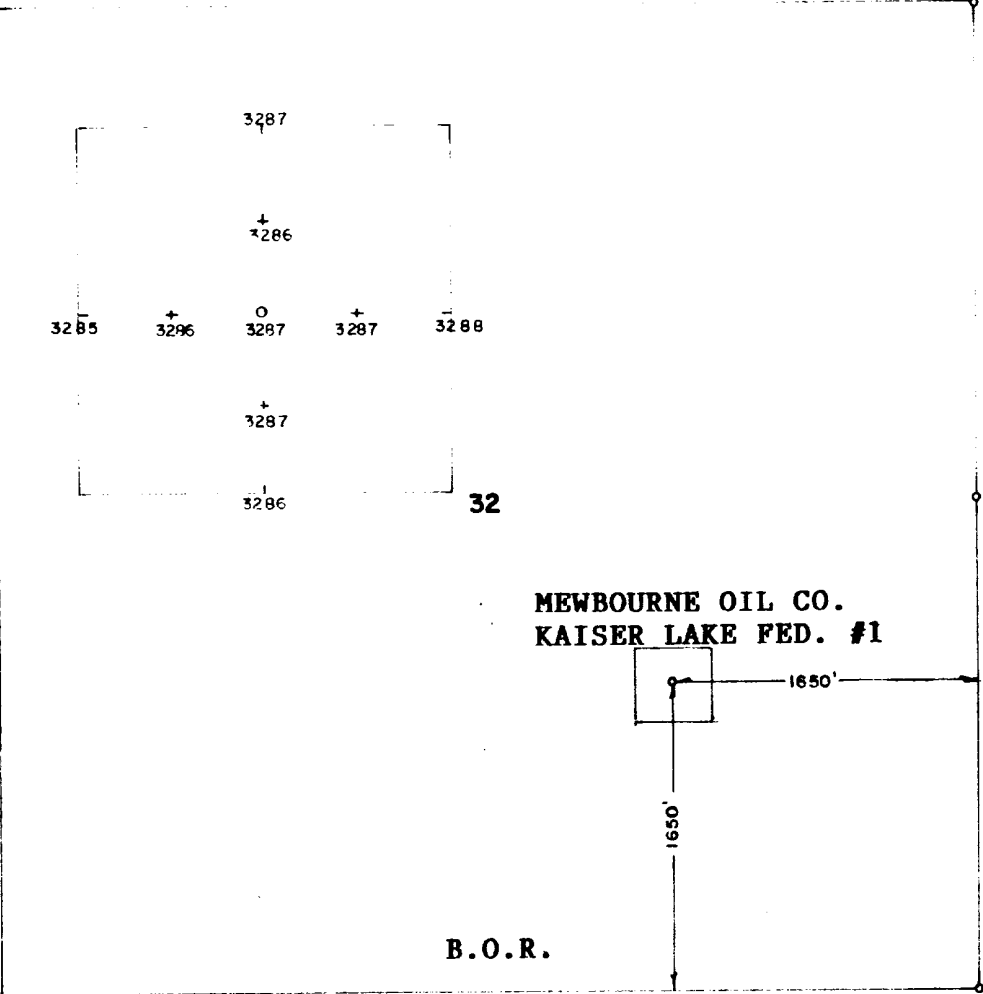
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

SECTION 32, TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM,
EDDY COUNTY, NEW MEXICO.

JOB No.

R. 27 E.

T.
18
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

Herschel Jones
HERSCHEL J. JONES R.L.S. No. 2888

5. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche will be taken from a private owned pit located on the Bogle Farms.

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 wellsite 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:

- A. The geologic surface formation is hard clay interspersed with sand and chert outcroppings. Vegetative cover is generally sparse and consist mostly of greasewood and bear grass.
- B. The estimated tops of geologic markers are as follows:

MULTI-POINT SURFACE USE AND OPERATING PLAN

MEWBOURNE OIL COMPANY

KAISER LAKE FEDERAL WELL NO. 1

1650' FSL & 1650' FEL OF SEC. 32-T18S-R27E

EDDY COUNTY, NEW MEXICO

NEW MEXICO LEASE NO. NM-86107

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 environmental 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. From the junction of U.S. 82 and U.S. 285 in Artesia, New Mexico, proceed east on U.S. 82 for 12 miles. Turn right (South) on Eddy County road #206 (Illinois Camp road) and proceed south for 4 1/2 miles. Turn right (West) on Eddy County road #234 (Oil Center road) and proceed west for 3 miles. Turn right (North) thru cattleguard. Then turn left (West) and proceed for 1 mile. Turn left (Southwest) and proceed for 1 mile. Turn left (South) and proceed for .75 miles. Turn right (West) and proceed for .50 miles. Turn left (South) and proceed for 1 mile 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: Two turn-outs will be required.
- E. Gates and Cattelguards: One will be required.

2. LOCATION OF EXISTING WELLS:

- A. Existing wells in a 1 mile radius are shown of 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".

Grayburg	1050'	Strawn	8600'
San Andres	1600'	Atoka	8900'
Bone Spring	3800'	Morrow	9450'
Wolfcamp	6800'	Mississippian	9800'
Canyon	7900'		

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

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

Oil: Wolfcamp @ 6900'

Gas: Morrow @ 9500'.

- 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 separator and PVT system from 6,000' to T.D.

- H. Testing and Coring Program: Possibility of 2 DST's in the following zones:

Wolfcamp and Morrow

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 W. Nelson
Ben Cook

(505) 393-5905 24 hr. Answering Service

P.O. Box 5270
Hobbs, New Mexico
88241

701 S. Cecil
Hobbs, New Mexico
88240

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.

May 7, 1991

Date

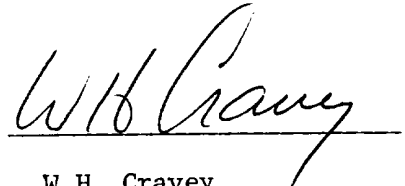

W.H. Cravey
District Superintendent
Mewbourne Oil Company



Exhibit "A"

Newbourne Oil Company
Kaiser Lake Federal #1
1650' FSL & 1650' FEL
Sec. 32-T18S-R27E
Eddy County, New Mexico

Proposed Road
Existing Road

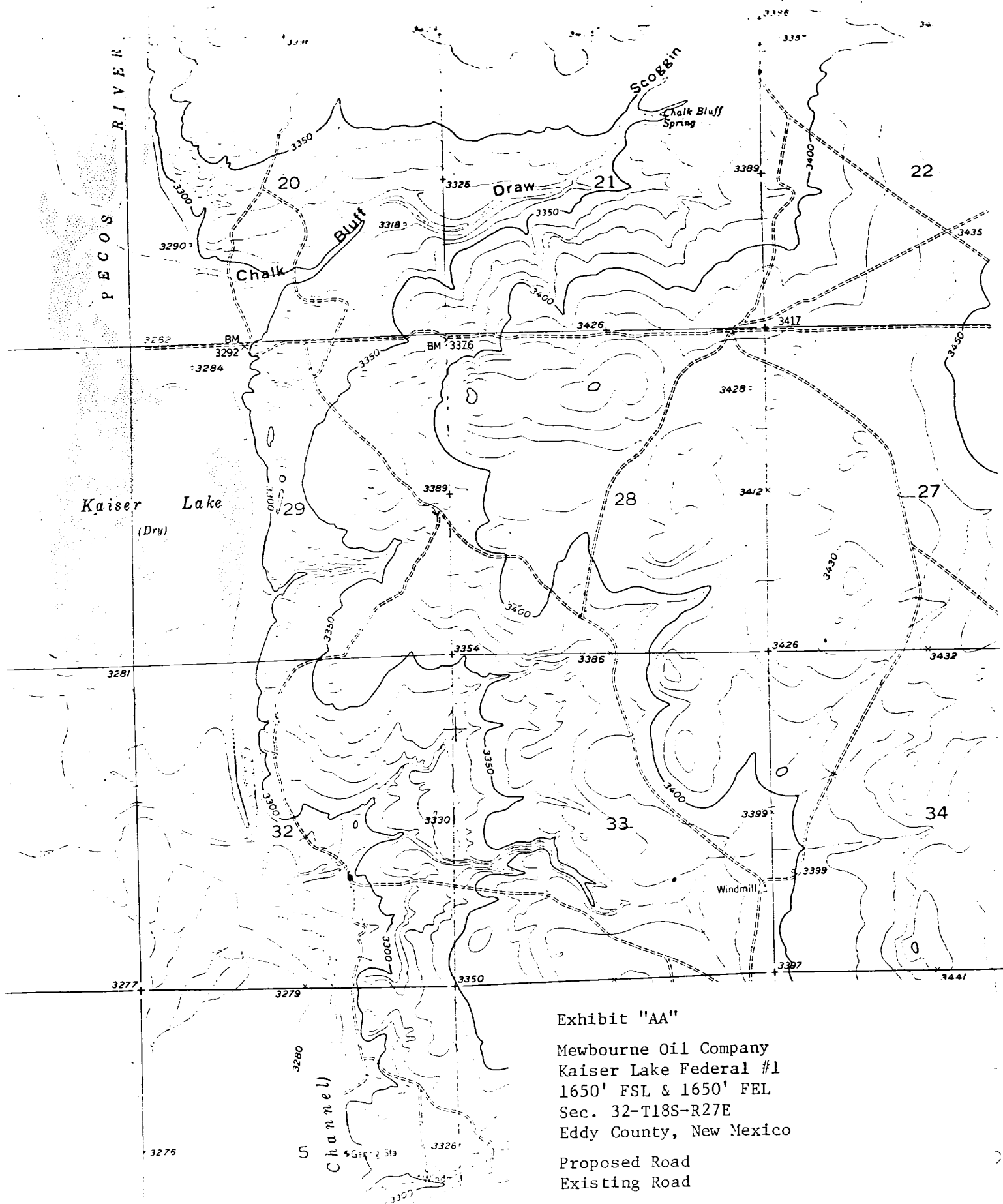


Exhibit "AA"

Mewbourne Oil Company
 Kaiser Lake Federal #1
 1650' FSL & 1650' FEL
 Sec. 32-T18S-R27E
 Eddy County, New Mexico

Proposed Road
 Existing Road

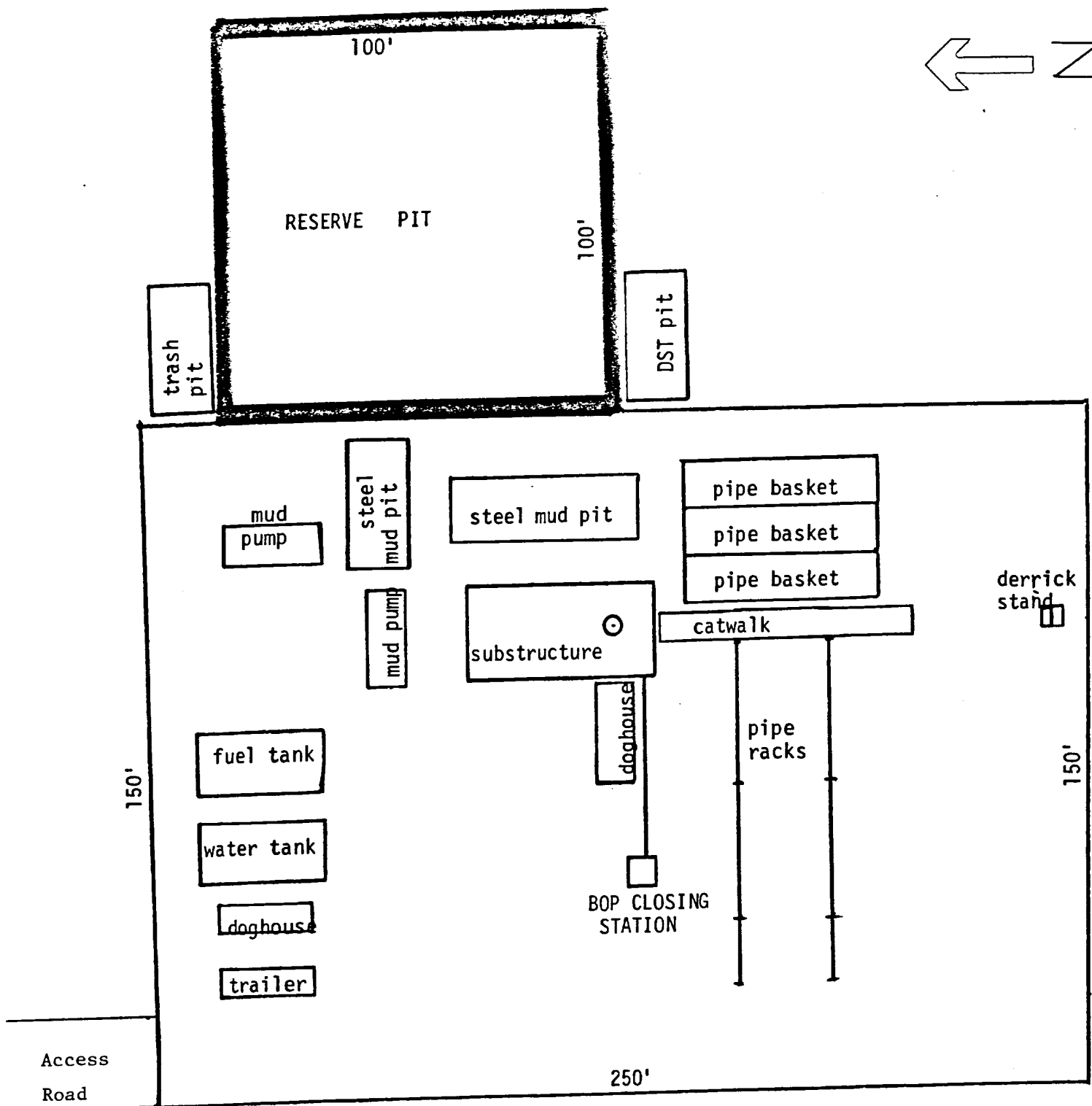


Exhibit "C"

Mewbourne Oil Company
 Kaiser Lake Federal #1
 1650' FSL & 1650' FEL
 Sec. 32-T18S-R27E
 Eddy County, New Mexico
 NM# 86107

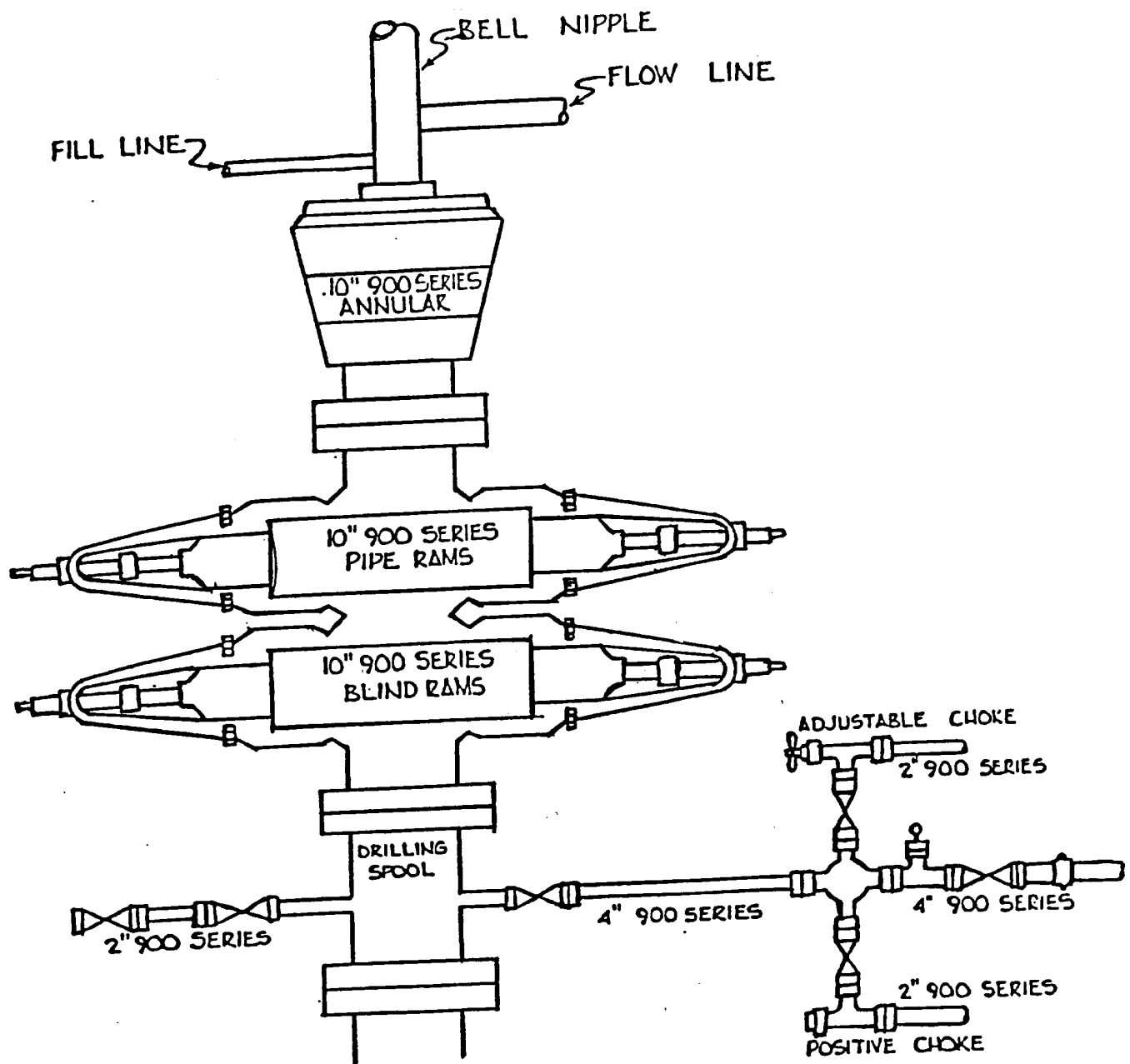


Exhibit "D"

Mewbourne Oil Company
 Kaiser Lake Federal #1
 1650' FSL & 1650' FEL
 Sec. 32-T18S-R27E
 Eddy County, New Mexico

NM# 86107