

NM OIL CONS. COMMISSION
Driller DD
Approved NM 88210
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R1425.

30-411-20037

5. LEASE DESIGNATION AND SERIAL NO.

NM 26518

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cooper Ranch Federal

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Wildcat
ut-p
Sec. 30-4N-22E

12. COUNTY OR PARISH 13. STATE

DeBaca N.M.

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
HUNT OIL COMPANY

3. ADDRESS OF OPERATOR
2900 First National Bank Building, Dallas, TX 75202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
500' FSL 500' FIL Sec. 30-4N-22E
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
7 1/2 miles northwest of Yeso, N.M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit lno., if any.)
500'

16. NO. OF ACRES IN LEASE
2524.44

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.
None

19. PROPOSED DEPTH
4500' ABO

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4914' GL

22. APPROX. DATE WORK WILL START*
April 10, 1982

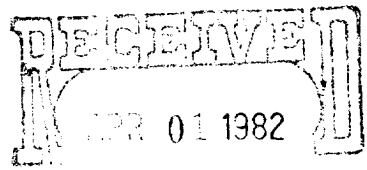
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48# H-40	700'±	600 sx - Circulate
12 1/4"	8 5/8"	24# K-55	2500'±	1200 sx - Circulate
7 7/8"	5 1/2"	15.5# K-55	TD	750 sx - Back to 2100'

It is proposed to drill this well to about 4500' to test for commercial production of oil and gas in the Abo and intermediate formations. Completion will consist of perforating the production casing, stimulating if necessary and normal testing.

See attached "Drilling Data".

Gas is not dedicated.



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

18. ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, describe present productive zone and proposed new productive zone. If proposal is to drill or deepen directly, give pertinent data on subsurface formations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jerry W. Long Agent DATE April 1, 1982
(This space for Federal or State office use)

APPROVED
(Orig. & 4) GEORGE H. STEWART
APR 9 1982
FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

All distances shall be from the corner here shown of the Section

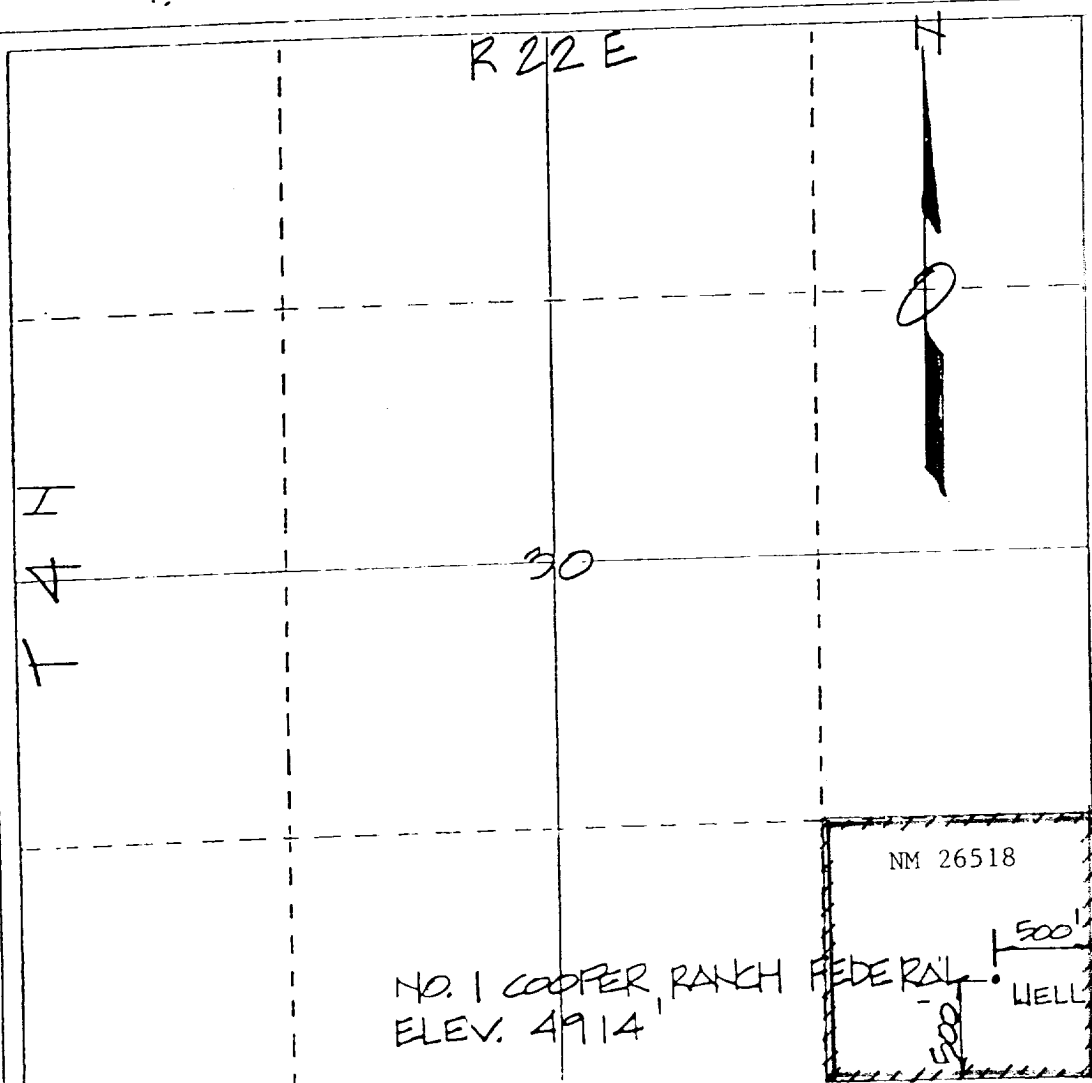
Operator HUNT OIL COMPANY		Lease Cooper Ranch Federal		Well No. 1
Well Letter P	Section 30	Township 4-N	Range 22-E	County DeBaca
Actual Footage Location of Wells 500'		feet from the SOUTH	line end 500'	feet from the EAST
Ground Level Elev. 4914'	Producing Formation ABO	Pool Wildcat	Dedicated Acreage: (SE$\frac{1}{4}$SE$\frac{1}{4}$) 40 Acres	

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). **Single Lease**
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 Division



CERTIFICATION

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

Jerry W. Long
Name
JERRY W. LONG

Position
Agent

Company
HUNT OIL COMPANY

Date
April 1, 1982

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.

10 March 1982
Gordon J. Douglas, NMPLS
N.M. License No. 6054

SUPPLEMENTAL DRILLING DATA

HUNT OIL COMPANY
No.1 Cooper Ranch Federal
500'FSL 500'FEL Sec.30-4N-22E
DeBaca County, N.M.

NM 26518

The following items supplement Form 9-331C in accordance with NTL-6 instructions.

1. SURFACE FORMATION: Triassic
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Triassic	- Surface	Yeso	- 1600'
San Andres	- 700'	Clear Fork	- 2050'
Glorieta	- 1230'	Abo	- 2600'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS:

Water	-- Surface to 100'
Oil	-- 700'
Oil	-- 2600'
4. PROPOSED CASING PROGRAM: See Form 9-331C
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to 3000#WP. A diagrammatic sketch of the BOP is shown on Exhibit "D".
6. CIRCULATING MEDIUM: Well will be drilled with mud.

0' - 700'	Fresh water native mud + any necessary LC material.
700' - TD	Salt gel mud + additives recommended by mud engineer to meet hole conditions.
7. AUXILLARY EQUIPMENT: Full-opening kelly cock, to fit the drill string in use, will be kept on the rig floor at all times.

8. TESTING, LOGGING AND CORING PROGRAM:
 - Samples: Surface casing shoe to TD.
 - Coring: Core Abo zone of interest.
 - DST's: Run DST if warranted by hole conditions.
 - Logging: CNL-DFC log will be run.

9. ABNORMAL PRESSURES TEMPERATURES OR HYDROGEN SULFIDE:
 - None anticipated. Bottom hole pressure should not exceed 1500 psi. Bottom hole temperature will be about 110°F.

10. ANTICIPATED STARTING DATE: Drilling will commence about April 10, 1982 and should be completed in about 10 days. Completion operations (perforations and stimulation) will follow drilling operations.

PERTINENT INFORMATION

For

HUNT OIL COMPANY
No.1 Cooper Ranch Federal
500'FSL 500'FEL Sec.30-4N-22E
DeBaca County, N.M.

LOCATED: About 7½ miles northwest
of Yeso, New Mexico

FEDERAL LEASE NUMBER: NM 26518

LEASE ISSUED: July 1, 1976

RECORD LESSEE: Cartridge Syndicate

BOND COVERAGE: \$25,000 New Mexico
Statewide Bond

AUTHORITY TO OPERATE: Designation of Operator

ACRES IN LEASE: 2524.44

SURFACE OWNERSHIP: Public

GRAZING PERMITTEE: Tyne E. Overton
Box 341, Ft. Sumner, N.M.

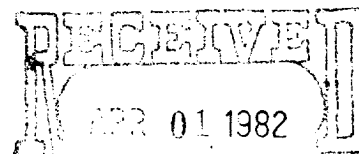
POOL RULES: Statewide wildcat oil rules

EXHIBITS: A. Road
B. Contour
C. Rig Layout
D. BOP Diagram

MULTI-PCINT SURFACE USE AND OPERATIONS PLAN

HUNT OIL COMPANY
No.1 Cooper Ranch Federal
500'FSL 500'FEL Sec.30-4N-22E
DeBaca County, N.M.

NM 26518



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 the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. The well is located about 25 miles northwest of Ft. Sumner, New Mexico.
- B. Directions: From Ft. Sumner, go 21 miles west on Highway 60 to the village of Yeso, New Mexico. From Yeso go north about 7½ miles on County Road A054. Go west 2½ miles and south 1½ miles to location.

2. PLANNED ACCESS ROAD:

- A. Length and Width: Access from County Road A054 will be approximately 4 miles long and 12' wide. The last 300' will be on Public land. The remainder will be on State Land, for which a Right-of-Way application has been filed.
- B. Surfacing Material: None necessary
- C. Maximum Grade: 3%
- D. Turnouts: A turnout will be constructed every ½ mile to permit passing.

- E. Drainage Design: The road will be bladed with a 6" crown to provide adequate drainage.
- F. Culverts: None necessary
- G. Cuts and Fills: The northeast corner of the pad will require about 3' of cut.
- H. Gates, Cattle Guards: Three cattleguards will be necessary where the road passes through existing gates.

3. LOCATION OF EXISTING WELLS:

- A. The nearest well is a shallow dry hole drilled in the SE $\frac{1}{4}$ Sec.13-4N-21E. See Exhibit "A".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are no wells or facilities on the lease.
- B. Storage, treatment and measurement equipment will be constructed on the well pad, if the well is a producer.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water for drilling purposes will be purchased from a commercial source and will be trucked to the location.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. It is not anticipated that surfacing material will be necessary for the road or pad.

7. 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 the 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 waste will be complied with.

- E. 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. Location of the trash pit is shown on Exhibit "C".
- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

- A. None necessary

9. WELL SITE LAYOUT:

- A. Construction of the well pad will require about 3' of cut on the northeast corner of the pad. The southwest corner will require about 2' of fill.
- B. Access will require about 300' of new road on the Public surface. The existing road on State land will be leveled and bladed to a 12' width with about four turnouts per mile.
- C. Exhibit "C" is a diagrammatic sketch of the proposed well pad.

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 the location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. When the well is completed the road and pad will be rehabilitated to Agency requirements.

11. OTHER INFORMATION:

- A. Topography: The location lies on a rolling plain which dips to the north toward Salado Creek. Regional dip is toward the southeast.

- B. Soil: The soil is a sandy clay loam, over-
laying sandstone and caliche.
- C. Flora and Fauna: The vegetation consists of
native grasses, yucca and cactus. Fauna would
include typical animals habitating this area,
such as rodents, coyotes, snakes and birds.
- D. Ponds or Streams: Salado Creek is about 4 miles
north of the location. It is a tributary of the
Pecos River and merges with it at Alamagordo
Reservoir.
- E. Residences and Other Structures: The nearest
residence is the Overton Ranch which is about
2 miles west. There is a windmill 1 3/4 miles
northeast.
- F. Archaeological, Historical and Other Cultural Sites:
No cultural sites were noted in the area of the pad
or access road. An Archaeological inspection of the
pad and access road was conducted by the Agency
for Conservation Archaeology, Eastern New Mexico
University, and a report furnished to Minerals
Management Service and BLM. The location is not
within a designated Water Basin.
- G. Land Use: The land is used for cattle grazing.
- H. Surface Ownership: The well pad and 300' of
access road is Public Surface. Mr. Tyne Overton
is the Grazing Allottee. About 4 miles of access
road is on State land. The operator has filed
an application for Right-of-Way over the State
land.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance
with the approved Surface Use Plan:

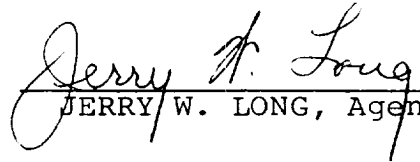
Mr. Don Patterson
2900 First National Bank Building
Dallas, TX 75202
Ph. 214-744-7948

13. CERTIFICATION:

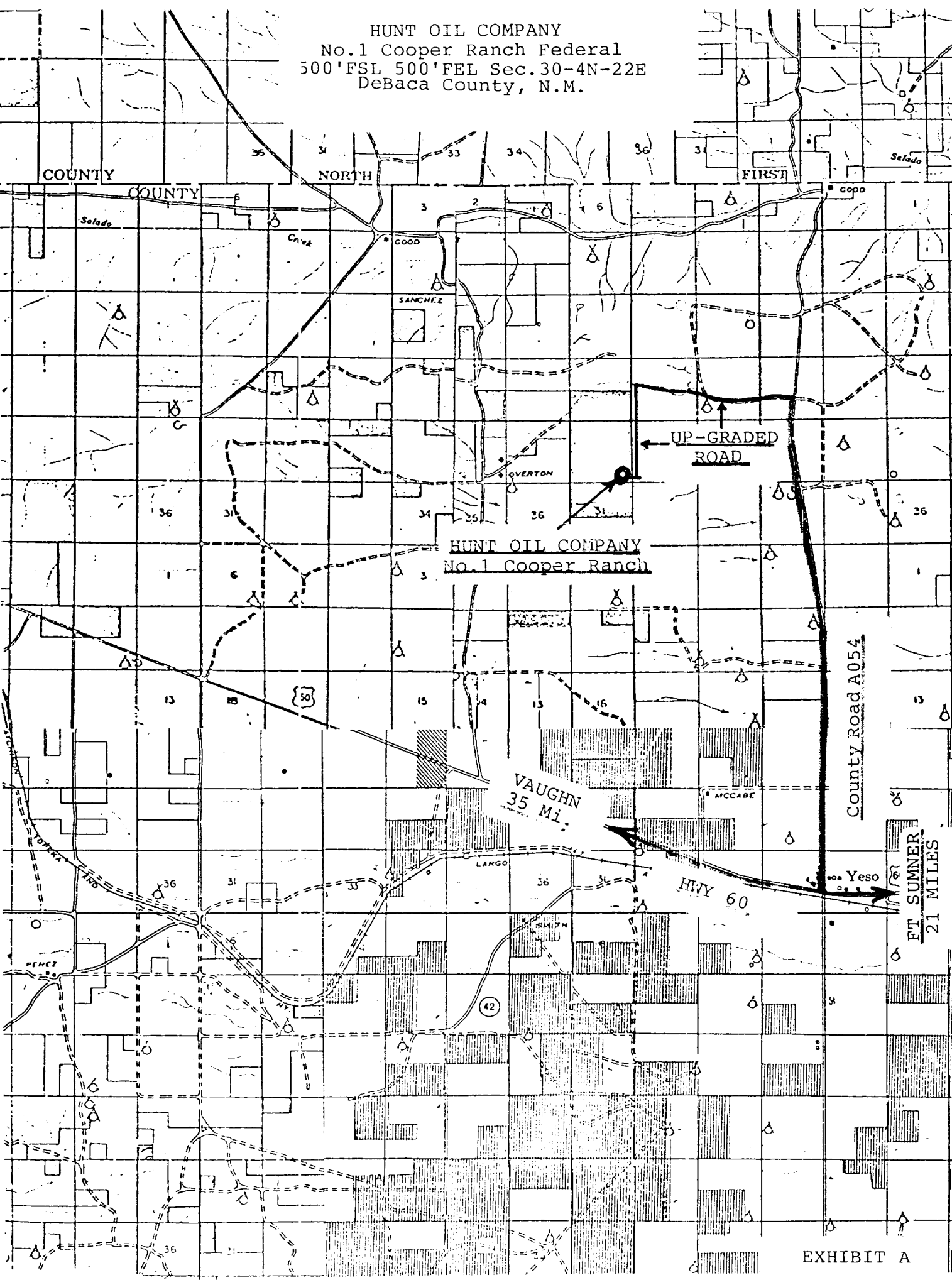
I hereby certify that I, or persons under my
direct supervision, have inspected the proposed

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 HUNT OIL COMPANY and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

April 1, 1982
Date: _____


_____ JERRY W. LONG, Agent

HUNT OIL COMPANY
No. 1 Cooper Ranch Federal
500' FSL 500' FEL Sec. 30-4N-22E
DeBaca County, N.M.



HUNT OIL COMPANY
No. 1 Cooper Ranch

UP-GRADED
ROAD

VAUGHN
35 Mi.

County Road A054

HWY 60

FT. SUMNER
21 MILES

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500'FSL 500'FEL Sec.30-4N-22E
DeBaca County, N.M.

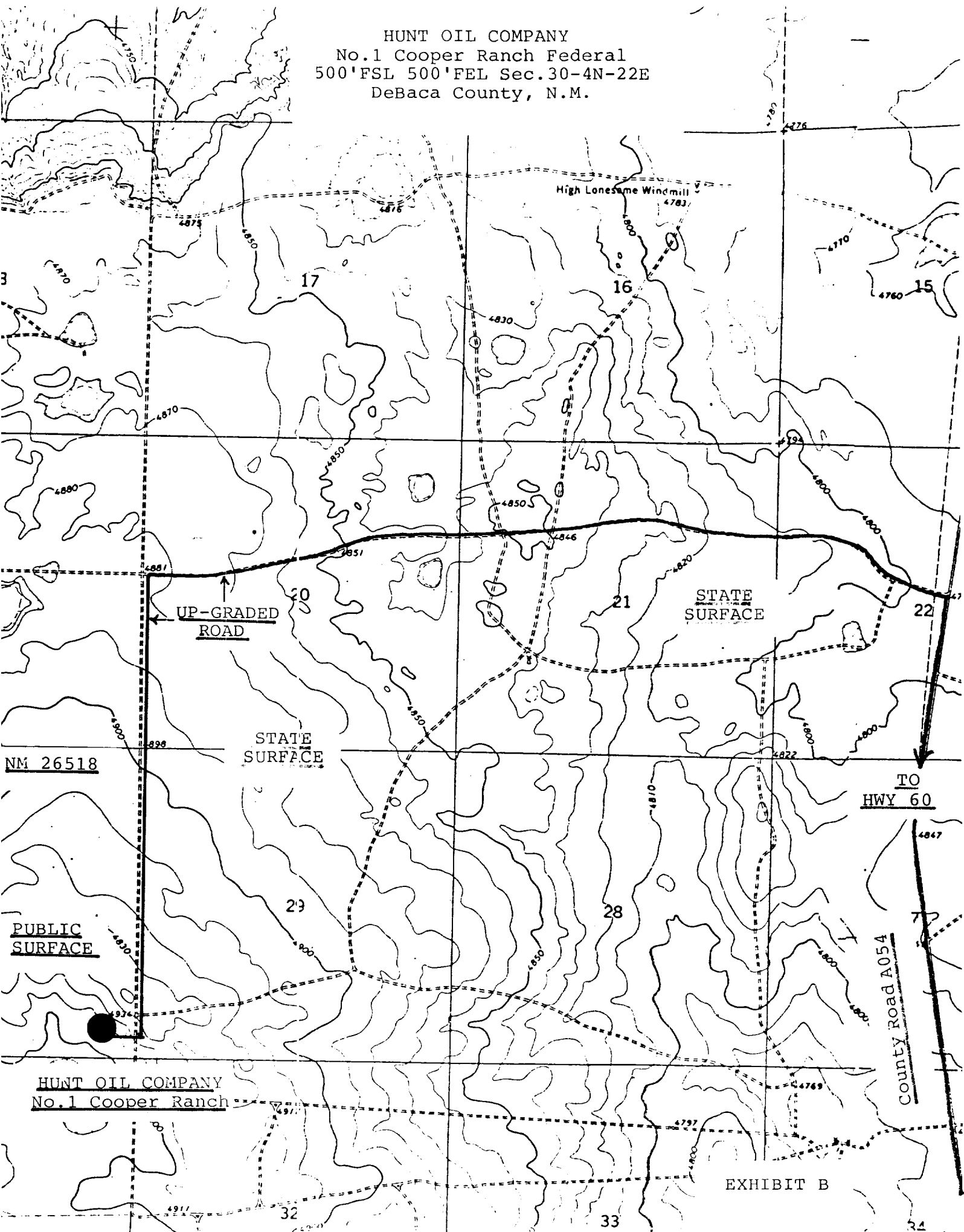
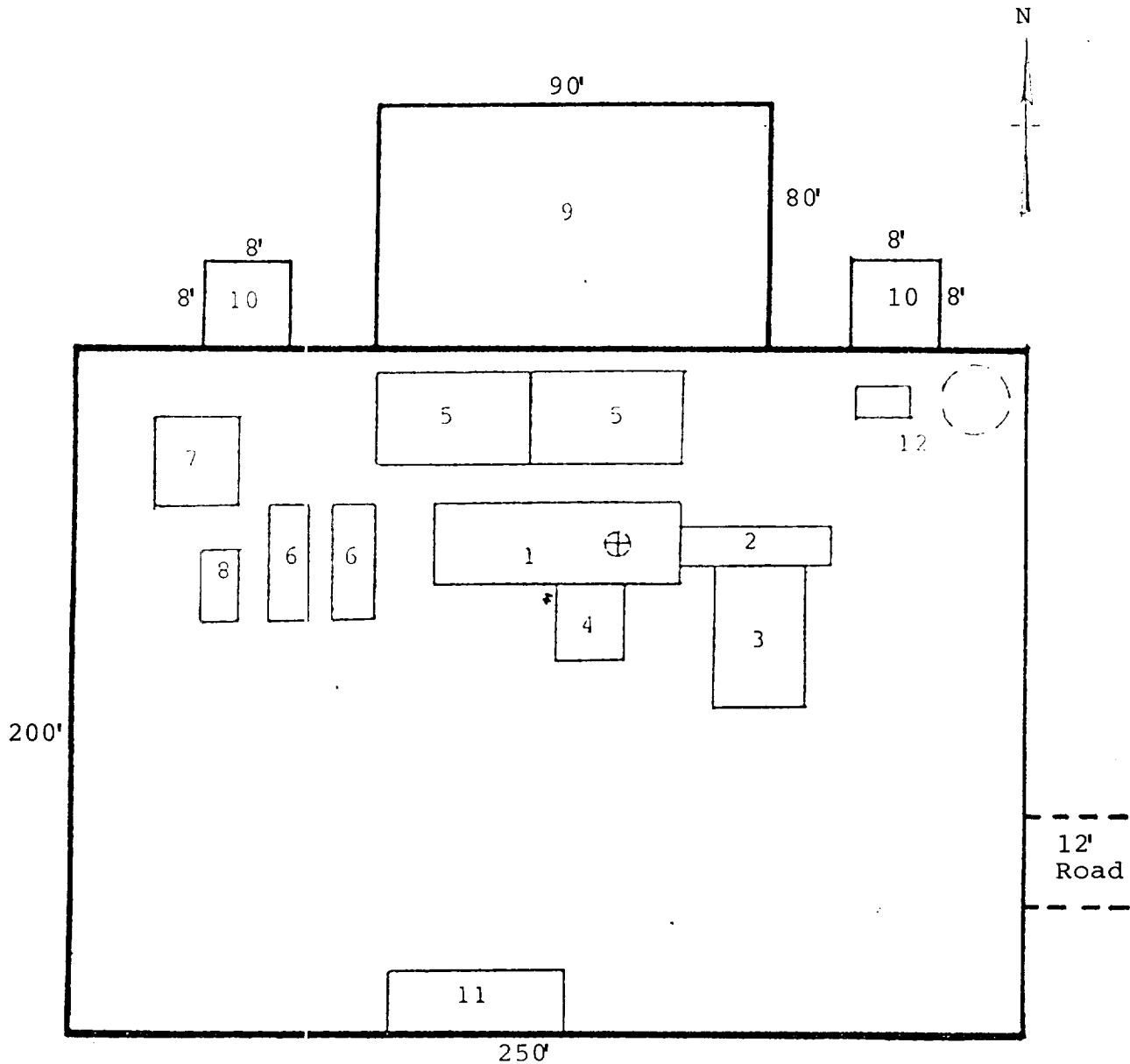


EXHIBIT B

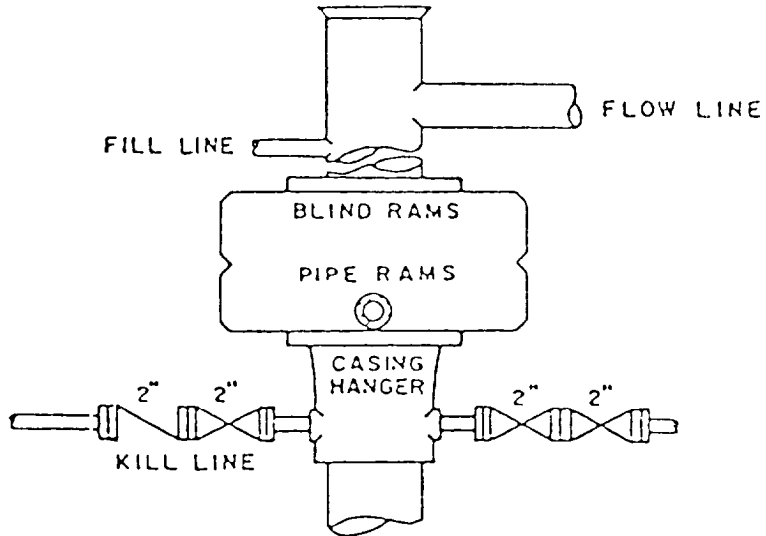
HUNT OIL COMPANY
 No.1 Cooper Ranch Federal
 500'FSL 500'FEL Sec.30-4N-22E
 DeBaca County, N.M.



RIG LAYOUT

- | | |
|-----------------|---------------------------|
| 1. Substructure | 7. Water Tank |
| 2. Catwalk | 8. Light Plant |
| 3. Pipe Rack | 9. Reserve Pit |
| 4. Doghouse | 10. Trash Pit |
| 5. Mud Pits | 11. Trailer House |
| 6. Mud Pumps | 12. Production Facilities |

HUNT OIL COMPANY
No.1 Cooper Ranch Federal
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DeBaca County, N.M.



BOP STACK

3000 PSI WORKING PRESSURE
RAMS TO BE OPERATED DAILY