Form 9-331 C
(May 1963)

COPY TO O. SUBMIT IN TRIPLICATE*
(Other instructions on reverse s

Form approved.
Budget Bureau No. 42-R1425.

U ITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
HNG Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 2267, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
1980' FSL and 1980' FWL Sec. 9
At proposed prod. zone
Same

5. LEASE DESIGNATION AND SERIAL NO.
NM 18644

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wilson 9 Federal

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED Yate
Comanche Stateline

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 9, T-26-S, R-36-E

12. COUNTY OR PARISH
Lea

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
7 miles west from Jal

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
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1320'

19. PROPOSED DEPTH
3600'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
2958' GR

22. APPROX. DATE WORK WILL START*
7-6-79

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	800'	600 sacks
8-3/4"	7"	20#	3600'	1000 sacks

Pressure Control Program:

A double blow-out preventor and rotating head w/a choke manifold will be installed at the 9-5/8" casing setting point. The drill string will be equipped with a safety valve. All equipment will be tested to 3000 lbs. after installation.

RECEIVED
JAN 25 1979
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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 Betty A. Gildon Betty A. Gildon TITLE Regulatory Clerk DATE 1-9-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED AS AMENDED
FEB 22 1979
ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side

NEW M CO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

Operator	Lease	Well No.
H.N.G. OIL COMPANY	Wilson Federal 9	4

Unit Letter	Section	Township	Range	County
K	9	26-S	36-E	Lea County, New Mexico

Actual Footage Location of Well:
1980 feet from the South line and 1980 feet from the West line

Ground Level Elev:	Producing Formation	Pool	Dedicated Acreage:
2958'	Comanche Stateline	Yates ~~(Undesignated)~~	40 Acres

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

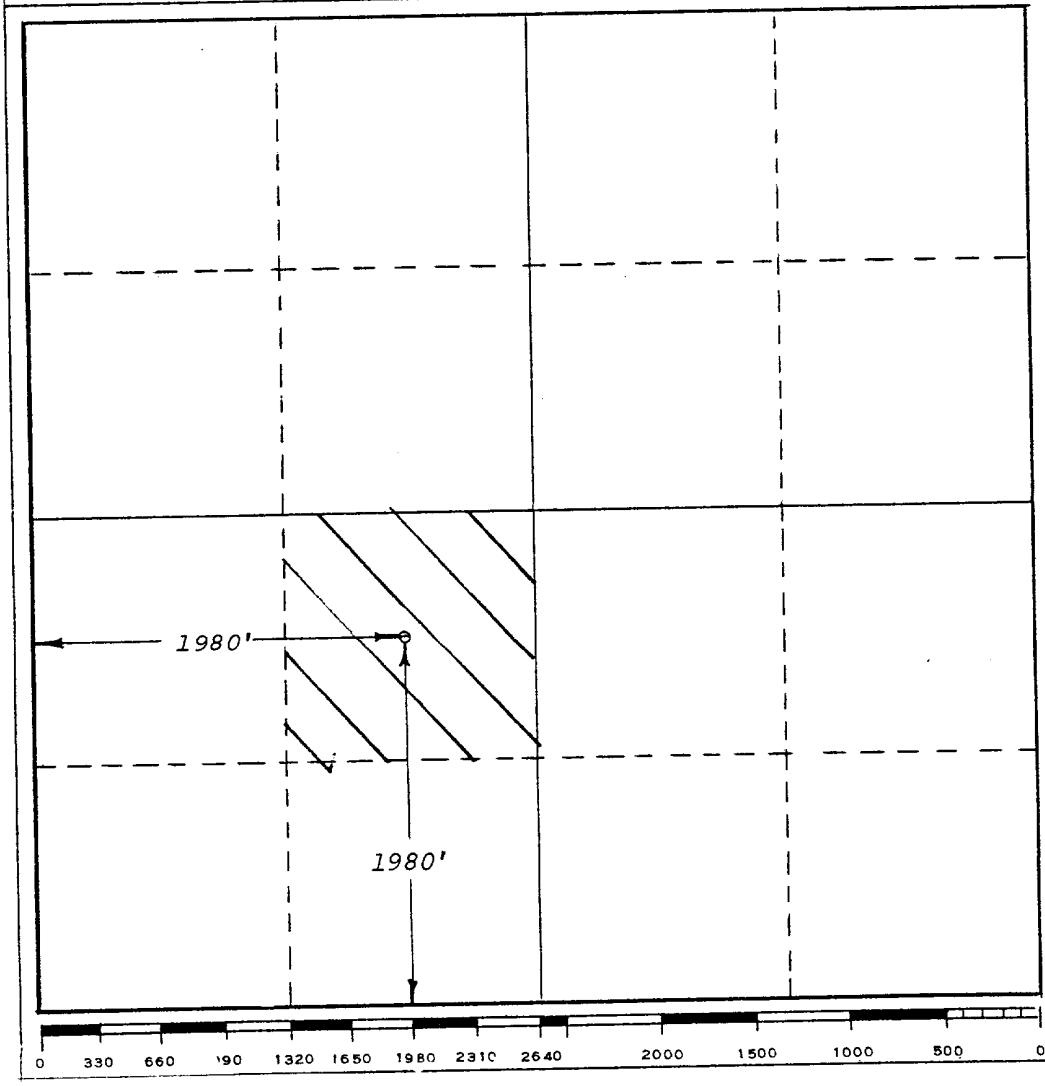
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 _____

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 Commission.



CERTIFICATION

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

Betty A. Gildon

Name
Betty A. Gildon

Position
Regulatory Clerk

Company
HNG Oil Company

Date
January 4, 1979

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.

December 14, 1978

Date Surveyed
Gary D. Boswell

Registered Professional Engineer and/or Land Surveyor

Gary D. Boswell

Certificate No. 6689

Cross Section of the H.N.G. Oil Company Wilson Federal 9 #4. 1980' FSL & 1980' FWL. Section 9, T-26-S, R-36-E, Lea County, New Mexico

57.4

56.7

57.0

59.2

H.N.G. Wilson Federal 9 #4

59.0 58.5 61.4 60.0 2958 58.8 59.2 58.3 57.

60.3

61.2

Scale 1" = 50'

62.9

61.9

Topographic Land Surveyors
908 W. Wall
Midland, Texas 79701

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
HNG OIL COMPANY
Wilson 9 Federal Sec. 9-26S-36E
Lea County, New Mexico
Lease New Mexico 18644

#1 1980' FSL & 660' FWL
#2 660' FSL & 660' FWL
#3 660' FSL & 1980' FWL
#4 1980' FSL & 1980' FWL

This plan is submitted with the Application for Permit to Drill the above described wells. The purpose of the plan is to describe the location of the proposed wells, 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" depicts the location of the proposed wells as staked. Upon entering Jal, New Mexico, proceed south on No. 3rd from Hwy. 128 approximately 3 miles where NM 205, an improved road begins. Approximately 1 mile southwest, turn right on first road past gravel pit 1.7, left on road by ranch thru two cattleguards 1.2 miles to #4.

   B. Portions of the existing lease road will have minor repairs to upgrade the road. Repairs will consist of replacing the eroded caliche surface with a new caliche surface 6 inches deep and 12 feet wide, watered and compacted.

2. PLANNED ACCESS ROADS:

   A. Length and width: Initial new road required will be 12 feet wide and 1998 feet long to the south with 2490' of access running west. This new road is labled and color coded green (Exhibit B). The center line of the proposed new road from the beginning to the wells, has been staked and flagged with the stakes being visible from any one to the next.

   B. Surfacing Material: Six inches of caliche, water compacted, and graded.

   C. Maximum Grade: 3 percent.

   D. Turnouts: One passing turnout will be constructed approximately 320 feet south of well #4. If road is built to #1 & 2 turnouts will be constructed at 622 foot intervals.

   E. Drainage Design: New road will have a drop of 6 inches from center line on each side.

F. Culverts: None required.

G. Guts and Fills: None required.

H. Gates, Cattleguards: None required.

3. LOCATION OF EXISTING WELLS:

A. Existing wells within a one-mile radius are shown on Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

A. There are no existing production facilities.

B. If production is encountered, a temporary facility will be established on the southwest corner of the drill pad on #3 well in section 8 and if warrented, a centeral battery at a later date built at that location. The flowlines if laid would pass under roads in route to the facility thus requiring conduit installation when needed.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water for drilling will be purchased from commercial sources and transported by truck to the wellsites over the existing and proposed roads shown on Exhibits "A" and "B".

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for surfacing the road and the well pads will be obtained from commercial sources and transported by truck to the various sites.

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 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 trash pits 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 required.

9. WELLSITE LAYOUT:

A. Exhibit "C" shows the relative location and dimensions of the wellpad, mud pits, reserve pit, trash pit, and location of major rig components.

B. Only minor levelling of the wellsite will be required. No significant cuts and fills will be necessary.

C. The reserve pit will be plastic lined.

D. The pad and pit area has been staked and flagged.

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 condition as possible.

B. Any unguarded pits containing fluids will be fenced until they are filled.

C. After abondonment of the wells, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, and well pads will be ripped to promote revegetation. Access roads will remain as per agreement with the surface owner.

11. OTHER INFORMATION:

A. Topography: Land surface is undulatory and duny, sloping gently toward the south at about 20 feet per mile.

B. Soil: Soil is a deep fine sand underlain by caliche.

C. Flora and Fauna: The vegetative cover is moderate and is primarily shinnery with some perenial native range grasses. Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles and some birds.

D. Ponds and Streams: There are no rivers, streams, lakes or ponds in the area.

E. Residences and Other Structures: None. The nearest water well is approximately 1.2 miles east of #4.

F. Archeological, Historical and Cultural Sites: None observed in area.

G. Land Use: Grazing and hunting in season.

H. Surface Ownership: The surface area of both the access road and drill sites are privately owned by Mr. Frank Anthony, Monahans, Texas 79756.

12. OPERATOR'S REPRESENTATIVE:

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

Mr. Phil Stinson
4016 East Everglade
Odessa, Texas 79760

Phone: Business 1/915/683-4871
Home 1/915/362-6240

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 HNG Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Jan 23, 1979
DATE

W. L. Lorette
Vice-President of Operations

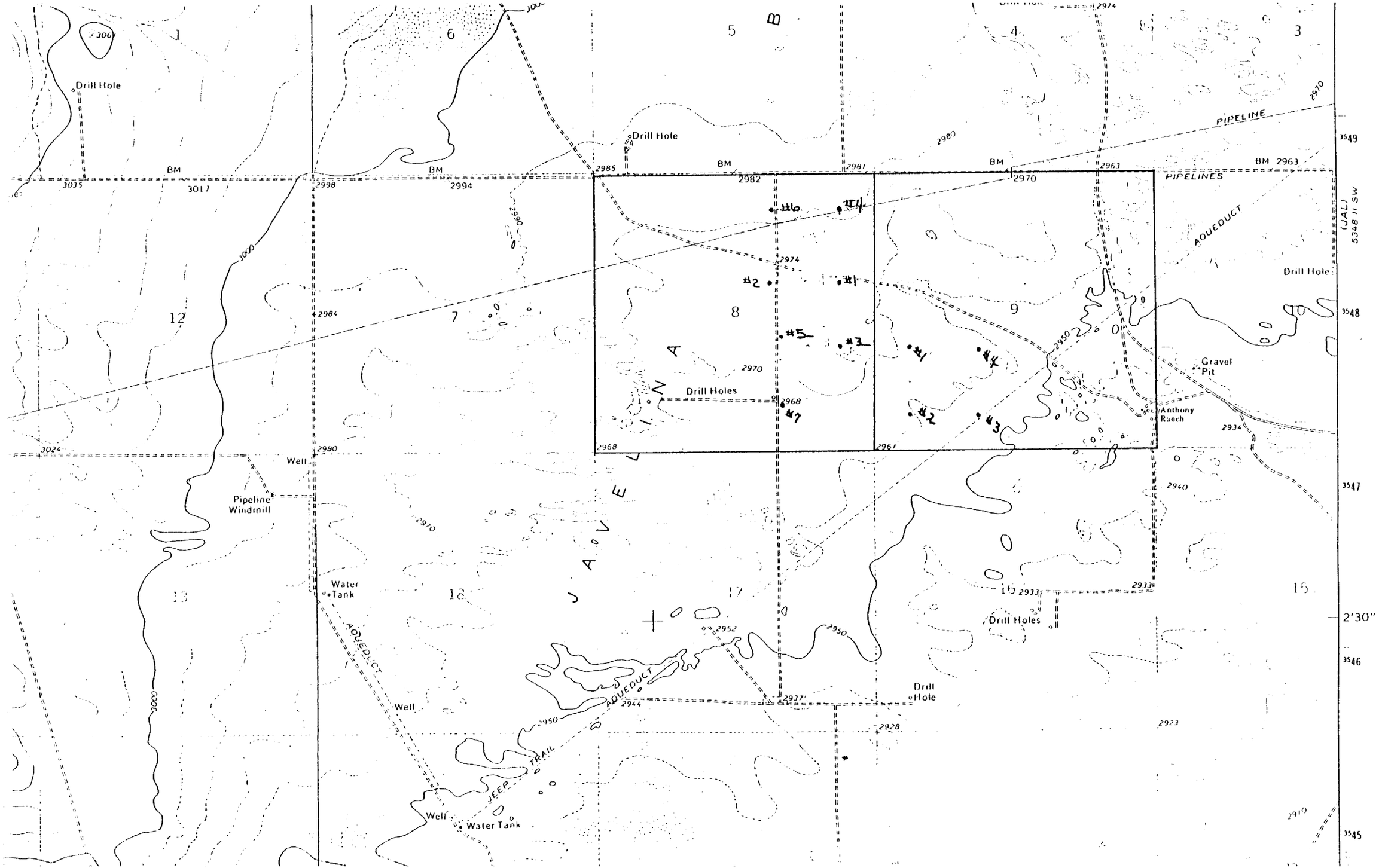
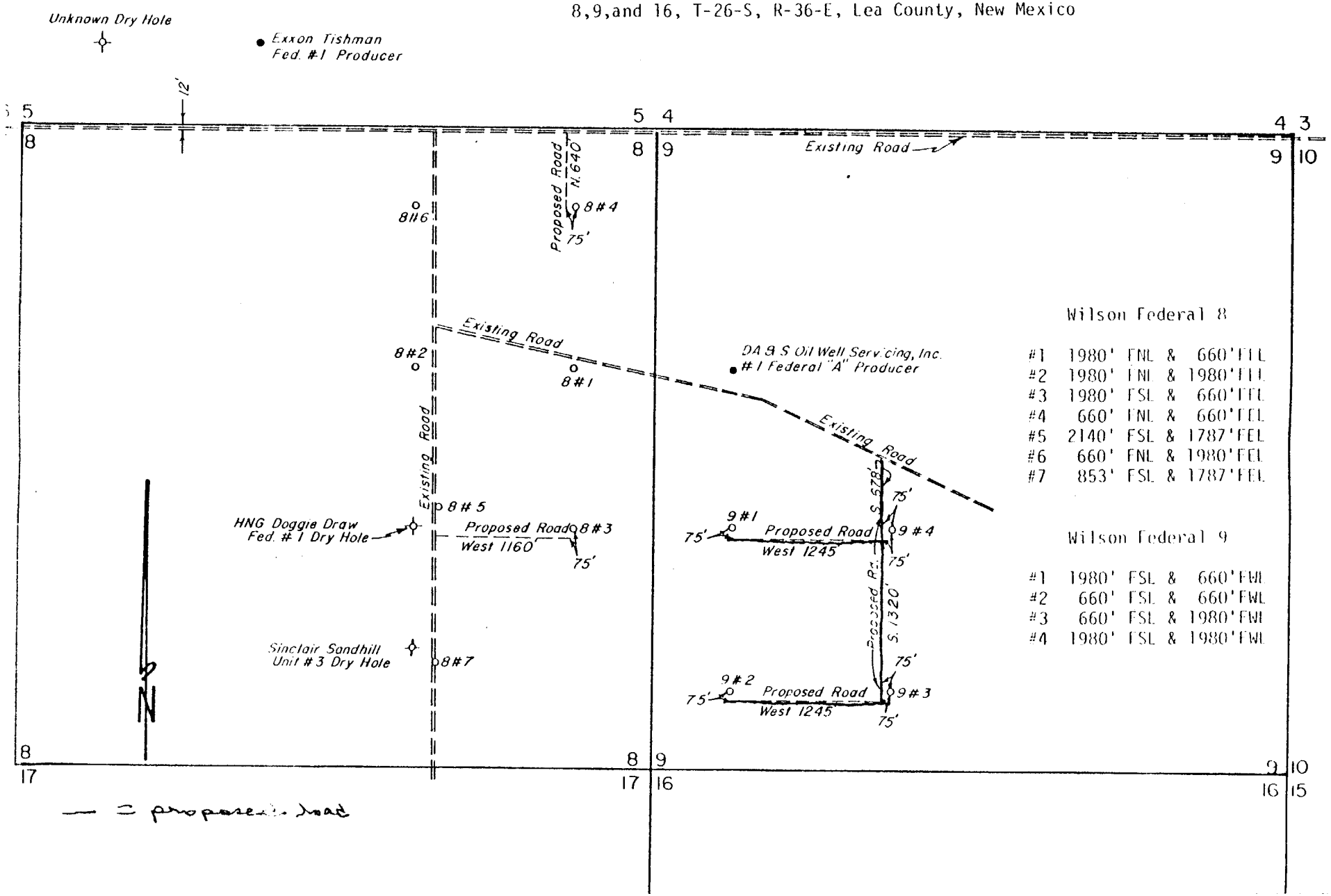

Drill Hole
BM 3035
BM 3017
BM 2994
Drill Hole
BM 2985
BM 2982
BM 2981
BM 2970
BM 2963
PIPELINE
PIPELINES
AQUEDUCT
Drill Hole
#6
#4
#2
#1
#5
#3
#1
#4
#2
#3
#7
Drill Holes
Gravel Pit
Anthony Ranch
Well
Pipeline Windmill
Water Tank
AQUEDUCT
Well
Drill Hole
Drill Holes
AQUEDUCT
JEEP TRAIL
Well
Water Tank
JAVELINA
N
(JAL) 5348 II SW
3549
3548
3547
3546
3545
2'30"

Exhibit "B"

Plat showning proposed roads and relation H. N. G. Oil Company Wilson Federal 8 # 1,2,3,4,5,6,7,and Wilson Federal 9 # 1,2, 3 and 4, well to all producing, abandoned wells in Section 5, 8,9,and 16, T-26-S, R-36-E, Lea County, New Mexico



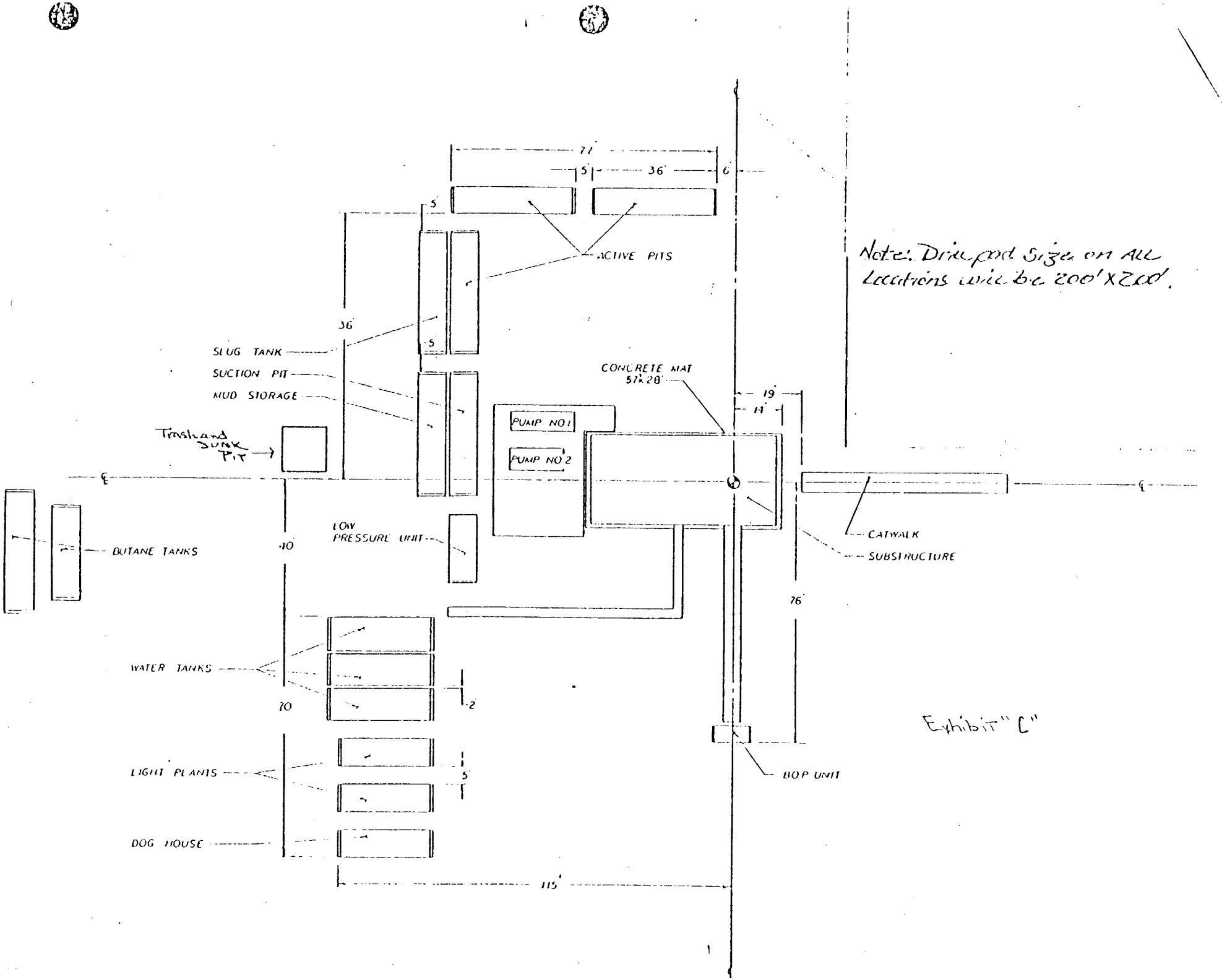
Wilson Federal 8

#1	1980' FNL &	660' FEL
#2	1980' FNL &	1980' FEL
#3	1980' FSL &	660' FEL
#4	660' FNL &	660' FEL
#5	2140' FSL &	1787' FEL
#6	660' FNL &	1980' FEL
#7	853' FSL &	1787' FEL

Wilson Federal 9

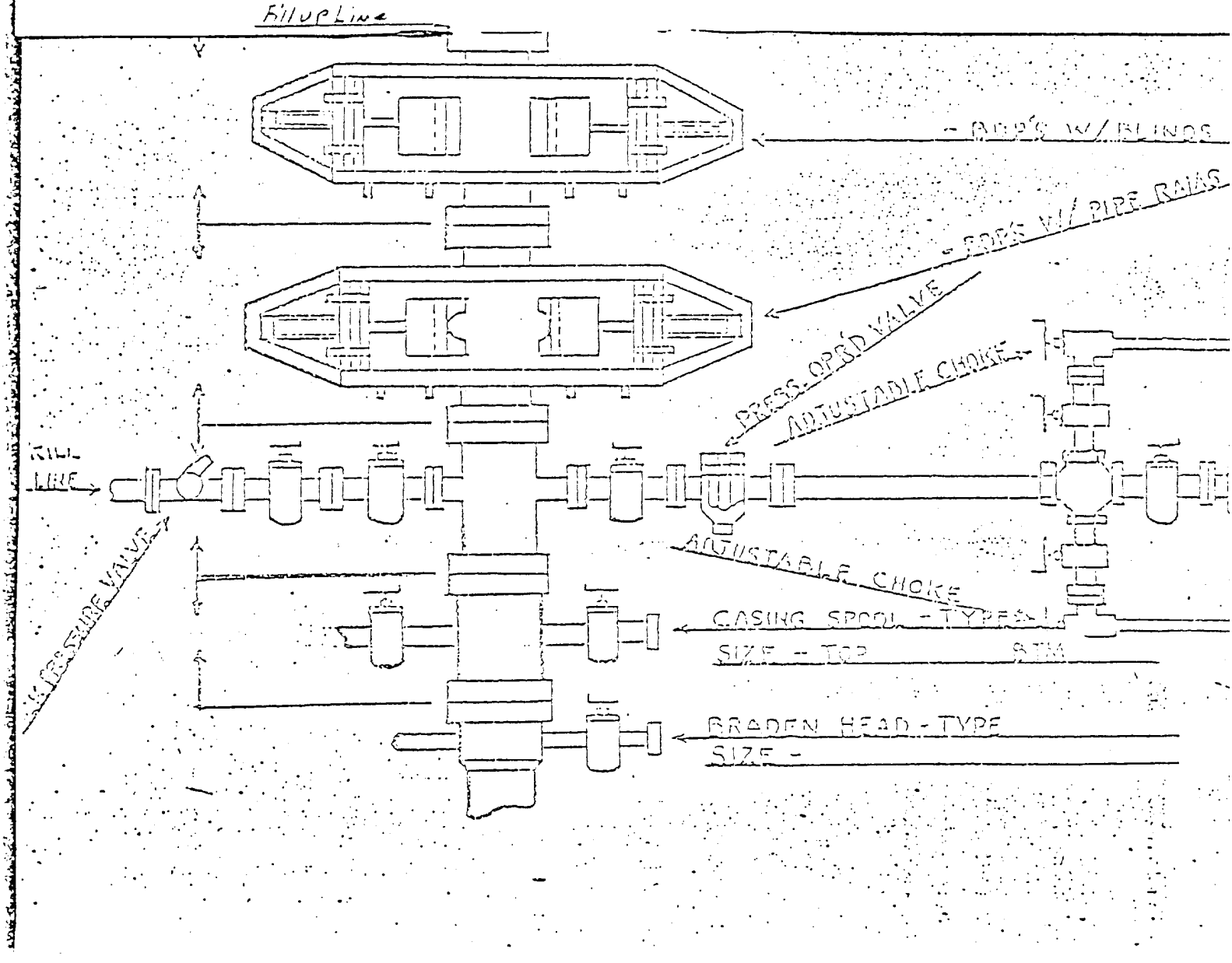
#1	1980' FSL &	660' FWL
#2	660' FSL &	660' FWL
#3	660' FSL &	1980' FWL
#4	1980' FSL &	1980' FWL

— = proposed road



Note: Drill pad Sizes on ALL Locations will be 200'x200'.

Exhibit "C"


Fill up Line
- BOP's W/ BLINDS
- BOP's W/ PIPE RAMS
PRESS. OPR'D VALVE
ADJUSTABLE CHOKE
KILL LINE
ADJUSTABLE CHOKE
CASING SPOOL - TYPE
SIZE - TOP
BTM
BRADEN HEAD - TYPE
SIZE -

Sec. "9"

APPLICATION FOR PERMIT TO DRILL

1. The geologic surface formation is Quaternary.

2. The estimated tops of important geologic markers are:

1.	Anhydrite 2310	6.	
2.	Yates 3270	7.	
3.		8.	
4.		9.	
5.		10.	

3. Depths at which oil, water, or gas bearing formations are expected to be encountered.

   3270 - oil

4. Brief description of testing, logging, and coring programs.

   Run casing for production test.
   No cores. Open hole logs & GR-porosity & a resistivity log.

5. Any anticipated abnormal pressures or temperatures expected? Any potential hazards - H2S?

   No abnormal pressure.
   No H_2S hazards.

1. (A) Pressure control equipment to be used.

Double BOP & choke manifold.
Rotating preventer.

(B) Pressure ratings (or API series).

3000# or 900 series

(C) Testing procedures and frequency.

Test w/plug in wellhead
@ installation as surface casing point

(D) Schematic Diagram.

2. Mud Program

Type and Characteristics

Fresh water 89 - 92 35 vis no water loss in surface hole.

Salt water 9.7 - 10.2 35 vis 20cc water loss under surface.

Quantities and types of weighting material to be maintained

200 sx Barite.