

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 ☐

2. NAME OF OPERATOR
Exxon Corporation

3. ADDRESS OF OPERATOR
P.O. Box 1600, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1680' FSL and 1980' FSL of section.
(Irregular section)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8.5 miles North from Carlsbad

10. DISTANCE FROM PROPOSED* 1980' lse line
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 1980' drlg line

16. NO. OF ACRES IN LEASE
2261.75

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED, 4500' NW to
OR APPLIED FOR, ON THIS LEASE, FT.
#20

19. PROPOSED DEPTH
12.000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3260' GR

22. APPROX. DATE WORK WILL START*
July, 1983

5. LEASE DESIGNATION AND SERIAL NO.
NM - 01119

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Yates Federal C

9. WELL NO.
21

10. FIELD AND POOL, OR WILDCAT
Burton Flat (Morrow)

11. SEC., T., E., M., OR BLK.
AND SURVEY OR AREA
Section 5-21S-27E

12. COUNTY OR PARISH
Eddy

13. STATE
N M

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"	54.5#	600'	800 sx - Circulate
12 1/4"	9 5/8"	36 #	3000'	1200 sx CIRCULATE to surface
8 3/4"	5 1/2"	17, 20 #	12000'	1600 sx CIRCULATE into intermediate.

RECEIVED
MAY 26 1983

Ported a p 2
90-12-1-83
9-12-83

GAS NOT INDICATED

RECEIVED
MAY 26 1983

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 Melba Knippling TITLE Unit Head DATE May 24, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Al. Lopez TITLE _____ DATE 6/8/83

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

Federal Lse.No. _____

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

Operator Exxon Corporation			Lease Yates Federal "Z"		Well No. 21
Unit Letter J	Section 5	Township 21 S	Range 27 E	County Eddy	
Actual Footage Location of Well: 1680 feet from the South line and 1980 feet from the East line					
Ground Level Elev: 3255'	Producing Formation Morrow		Pool Burton Flat	Dedicated Acreage: 320 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.
	Name Melvin Knippling
	Position UNIT HEAD
	Company Exxon Corporation Box 1600 Midland, Texas
	Date 6-9-83
	 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 5-13-83	
Registered Professional Engineer and/or Land Surveyor Certificate No. 1 027	

EXXON CORPORATION
 YATES FEDERAL C NO. 21
 1980' FSL, 1980' FEL
 Section 5, T21S, R27E
 Eddy County, New Mexico
 Federal Lease No. NM-01119

1. The geologic name of the surface formation: Recent.
2. The estimated tops of important geologic markers:

Yates	450'
Capitan	700'
Seven Rivers	1,200'
San Andres	2,500'
Delaware	2,900'
Bone Springs	4,750'
Dean	8,300'
Wolfcamp	8,800'
Canyon	9,650'
Strawn	10,000'
Atoka	10,400'
Morrow	10,750'

3. The estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to occur:

Water	60'
Oil	2,500'
	8,800'
Gas	450'
	10,400'

4. Proposed Casing Program:

<u>A. STRING</u>	<u>SIZE</u>	<u>WEIGHT/GRADE</u>	<u>CONDITION</u>	<u>DEPTH INTERVAL</u>
Conductor	20"	Schedule 10	New or Used	0- 40'
Surface	13-3/8"	54.5#/K-55	New or Used	0- 600'
Intermediate	9-5/8"	36#/K-55	New or Used	0- 3,000'
Production	5-1/2"	20#/L-80	New or Used	0-12,000'
		17#/L-80		
		17#/K-55		

<u>*B. STRING</u>	<u>SIZE</u>	<u>WEIGHT/GRADE</u>	<u>CONDITION</u>	<u>DEPTH INTERVAL</u>
Conductor	20"	Schedule 10	New or Used	0- 40'
Surface	13-3/8"	54.5#/K-55	New or Used	0- 600'
Intermediate	9-5/8"	36#/K-55	New or Used	0- 3,000'
Intermediate	7"	23&26#/N-80	New or Used	0-10,100'
		29#/C-75		
Production (Liner)	5"	18#/N-80	New or Used	9,800-12,000'

*Contingency string to be used only if severe lost returns are encountered.

BLOWOUT PREVENTER SPECIFICATION
EQUIPMENT DESCRIPTION

TYPE II-B

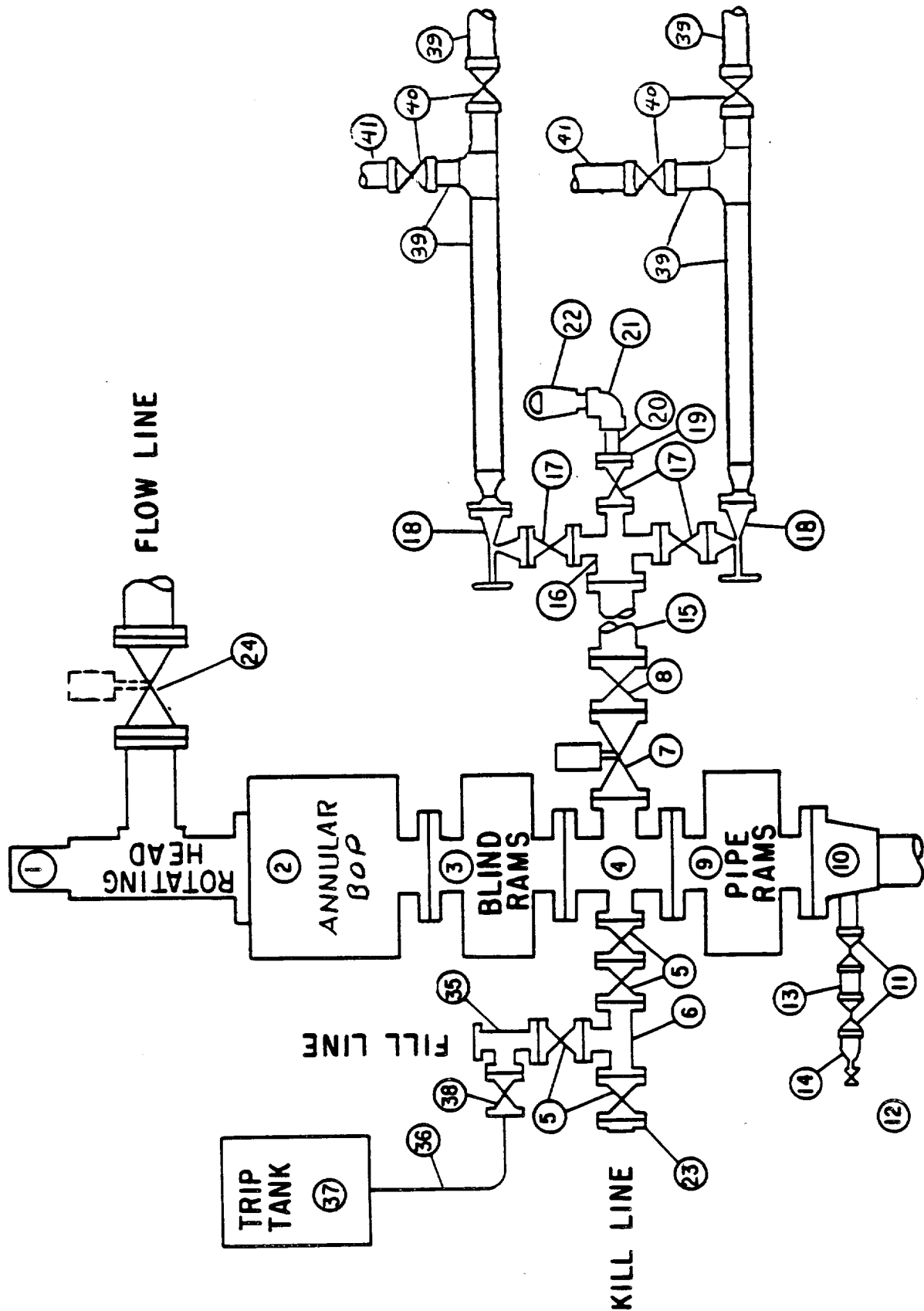
All equipment should be at least 3000 psi WP or higher unless otherwise specified.

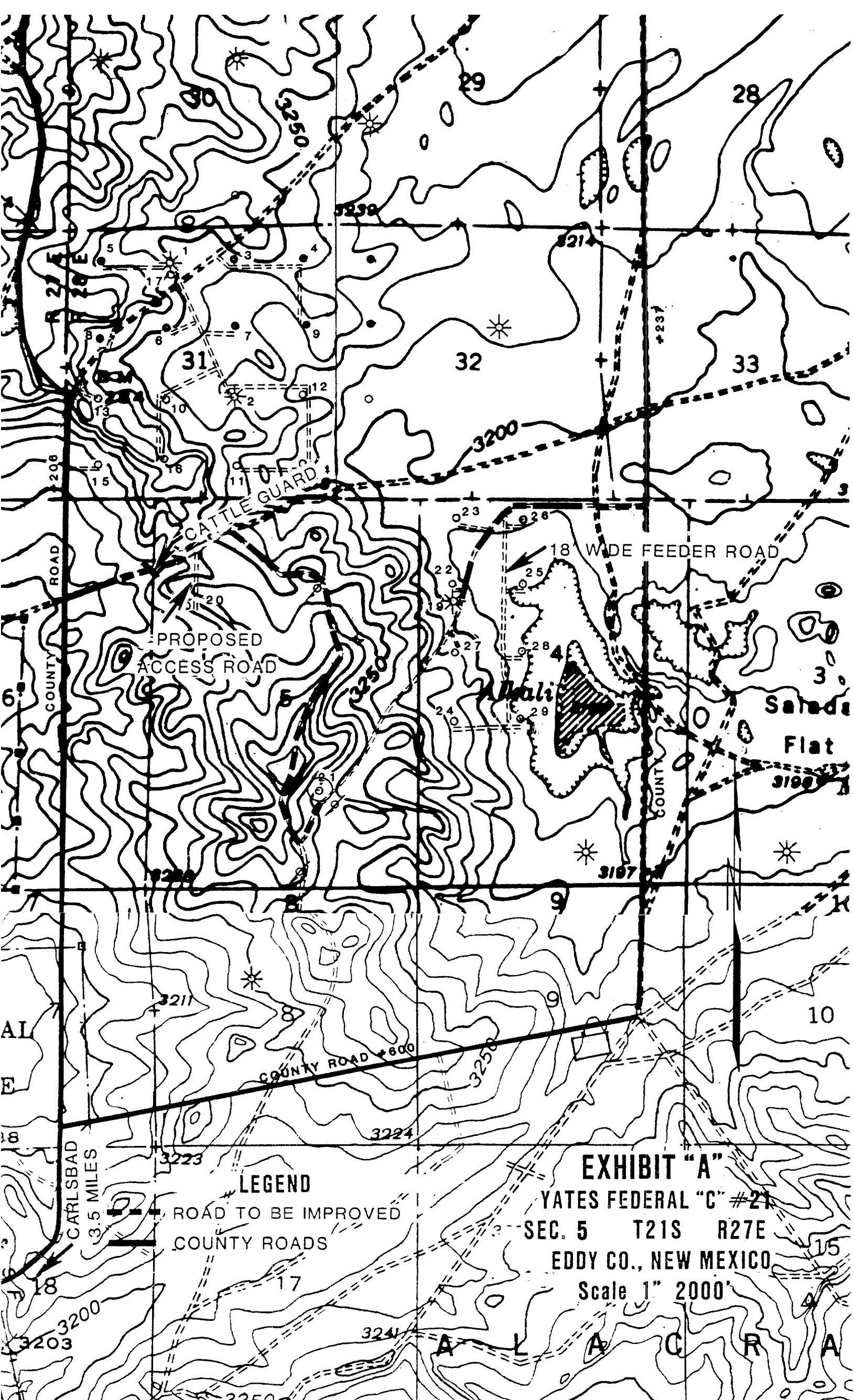
1. Rotating BOP.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
7. 4-inch pressure operated gate valve.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).
Flanged on 5000# WP, threaded on 3000# WP or less.
12. Needle valve (furnished by Exxon).
13. 2-inch nipple (furnished by Exxon).
14. Tapped bull plug (furnished by Exxon).
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.
24. 6-inch manual or pressure operated gate valve.
35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

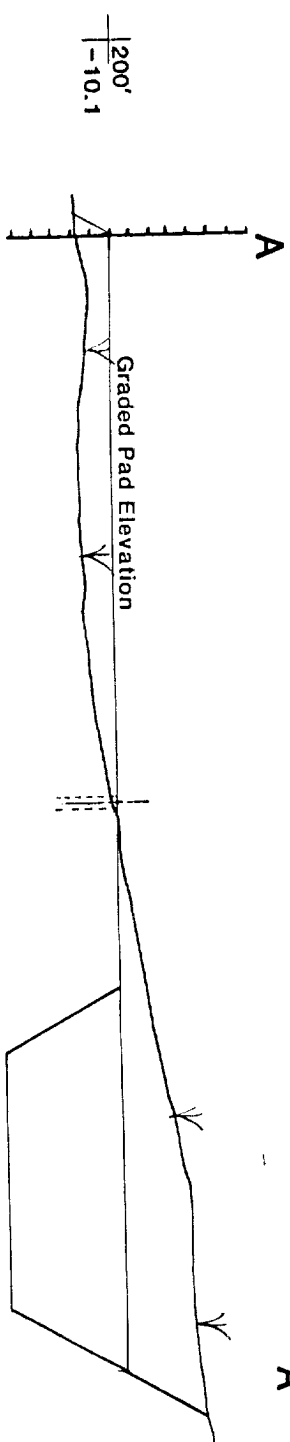
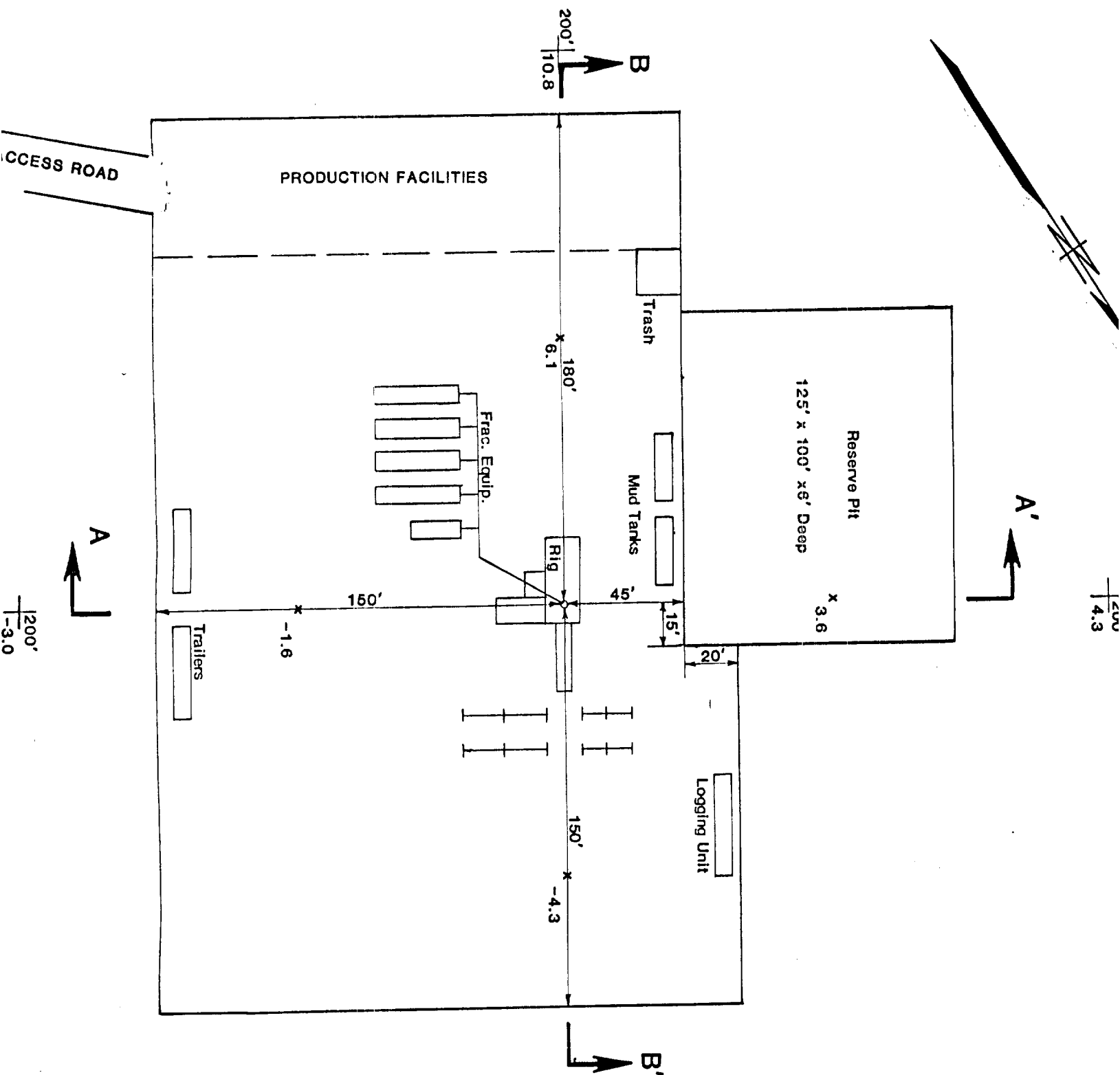
NOTES:

1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi and lower WP BOP stacks.

MIDLAND DRILLING ORGANIZATION
 BLOWOUT PREVENTER SPECIFICATION
 TYPE II - B







CROSS SECTIONS

Scale: Horizontal: 1" = 50'
Vertical: 1" = 10'

