

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NM OIL CONS. COMMISSION

Drawer DD
Artesia, NM 88210

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-20839
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
2. NAME OF OPERATOR Exxon Corporation ✓		7. UNIT AGREEMENT NAME ---
3. ADDRESS OF OPERATOR P.O. Box 1600, Midland, TX 79702		8. FARM OR LEASE NAME Beard Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2262' FNL & 921' FWL of Section At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles East from Las Cruces		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) drlg. line		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11-23S-2E
16. NO. OF ACRES IN LEASE 1921.18		12. COUNTY OR PARISH Dona Ana
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4293' GR		22. APPROX. DATE WORK WILL START* 4th quarter 1983
23. PROPOSED CASING AND CEMENTING PROGRAM		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	20"	94#	80'	---
17 1/2"	13 3/8"	54.5#	450'	350 cu ft. CIRCULATE
12 1/4"	10 3/4"	45.5#	1500'	300 cu. ft. CIRCULATE
9 1/2"	7 5/8" *	26.4#	2800'	500 cu ft.
6 1/2"	5 1/2"	14, 15.5#	TD	400 cu ft.

*7 5/8" intermediate casing is on a contingency basis and will be set if conditions warrant.

BOP's-13 3/8" csg. - Type VI, 2000 psi minimum
10 3/4" csg. - Type II-B, 3000 psi minimum

Designation of Operator will be sent separately.

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 Knipling TITLE Unit Head DATE August 18, 1983
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE 9/28/83
CONDITIONS OF APPROVAL, IF ANY: _____

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED



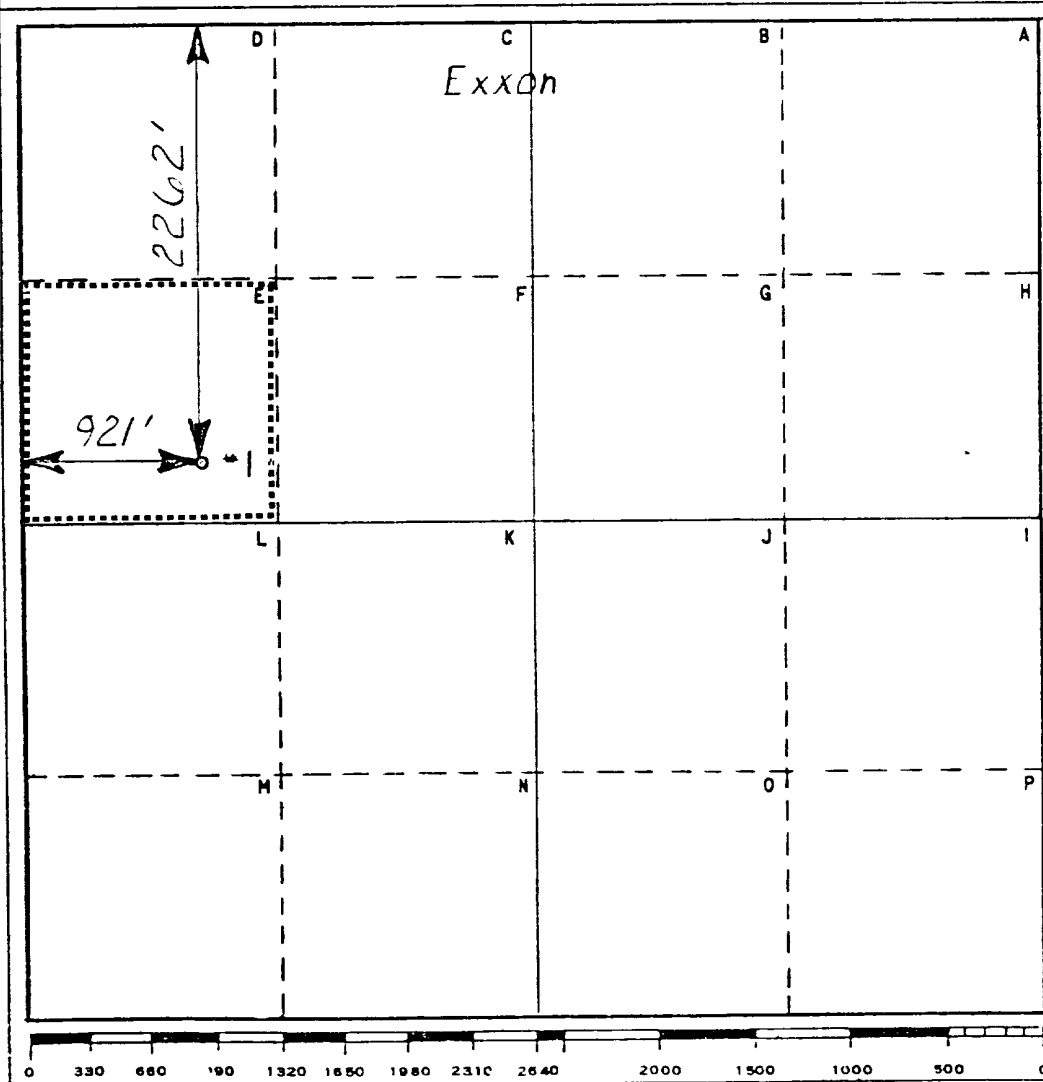
Federal Lse.No. _____ All distances must be from the outer boundaries of the Section.

Operator Exxon Corporation		Lease BEARD FEDERAL		Well No. #1
Unit Letter E	Section 11	Township 23S	Range 2E	County DONA ANA
Actual Footage Location of Well: 2262 feet from the NORTH line and 921 feet from the WEST line				
Ground Level Elev. 4293	Producing Formation SILURIAN DOLOMITE	Pool WILDCAT	Dedicated Acreage: 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).
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 Melba Knipling	Position UNIT HEAD
Company Exxon Corporation Box 1600 Midland, Texas	
Date 8-16-83	
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 8-10-83	
Registered Professional Engineer and/or Land Surveyor John Wallis	
Certificate No. 8699	

10 POINT PLAN
Ole Rio Prospect - Beard Federal
Section 11, T23S, R2E
Dona Ana County, New Mexico
August 17, 1983

1. The geologic name of the surface formation: Tertiary

2. The estimated tops of important geologic markers:

Mississippian: 2,800'
Silurian : 3,400'
Precambrian : 5,800'

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

Deepest FW : 400'
Primary Oil/Gas : 3,400'
Secondary Oil/Gas : 800'

4. Proposed casing program:

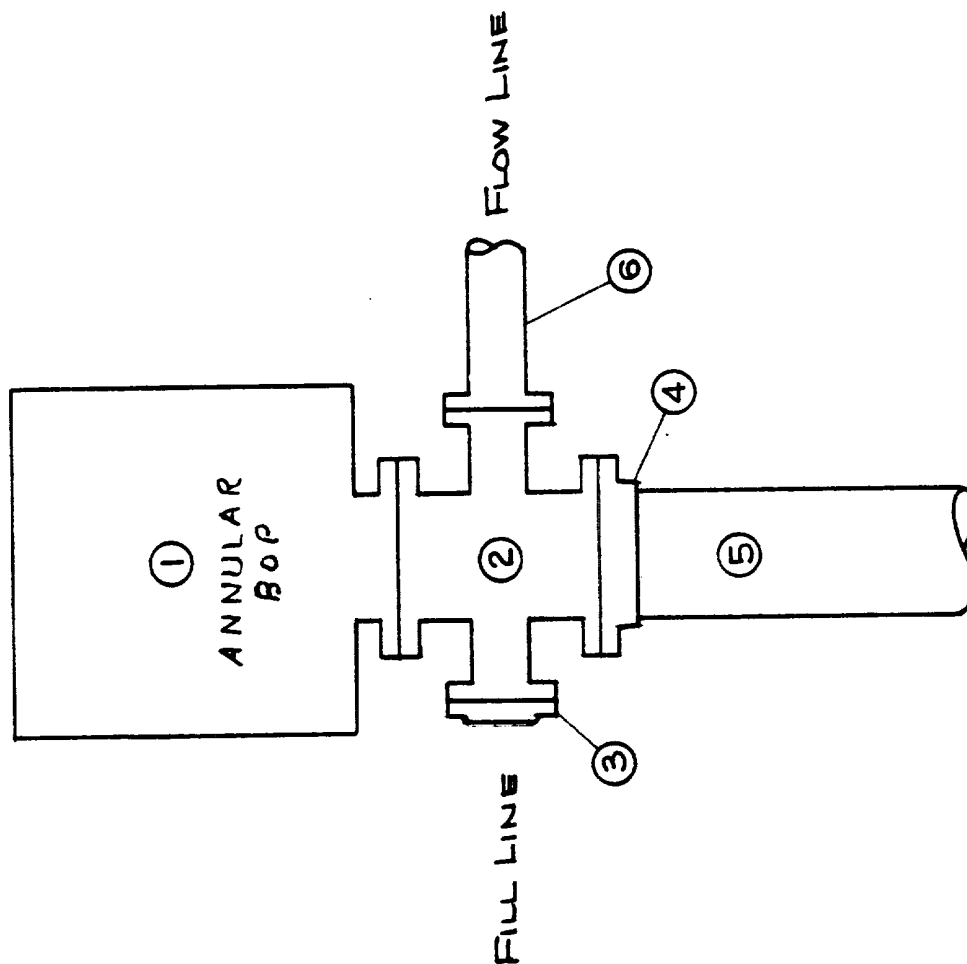
<u>STRING</u>	<u>SIZE</u>	<u>WEIGHT/GRADE</u>	<u>CONDITION</u>	<u>DEPTH INTERVAL</u>
Conductor	20"	94#/H-40	New	0- 80'
Surface	13-3/8"	54.5#/K-55	New	0- 450'
Intermediate (1)	10-3/4"	45.5#/K-55	New	0-1500'
*Intermediate (2)	7-5/8"	26.4#/K-55	New	0-2800'
Production	5-1/2"	14#,15.5#/K-55	New	0- TD

* Intermediate (2) is on a contingency basis and will be run only if conditions warrant.

5. Minimum specifications for pressure control equipment:

- A. Wellhead equipment - Flanged type, 3000 psi WP for 13-3/8" x 10-3/4" x 7-5/8" x 5-1/2" casing program with 2-7/8" tubing hanger.
- B. Blowout preventers - Refer to attached drawings and lists of equipment entitled "Type II-B" and "Type VI" for description of BOP stacks and choke manifold.
- C. BOP actuation - Stack will be hydraulically operated and have at least two control stations.
- D. Testing - Upon installation, the Type II-B BOP's for the 10-3/4" intermediate casing and 10-3/4" will be tested to a low pressure of 300 psi and a high pressure of 3000 psi. Top ram door seals will be pressure tested when casing rams are installed. An operational test of the blowout preventers will be performed on each round trip, but not more than once each day; the annular and pipe ram preventers will be closed on drill pipe and the blind rams will be closed while the pipe is out of the hole.

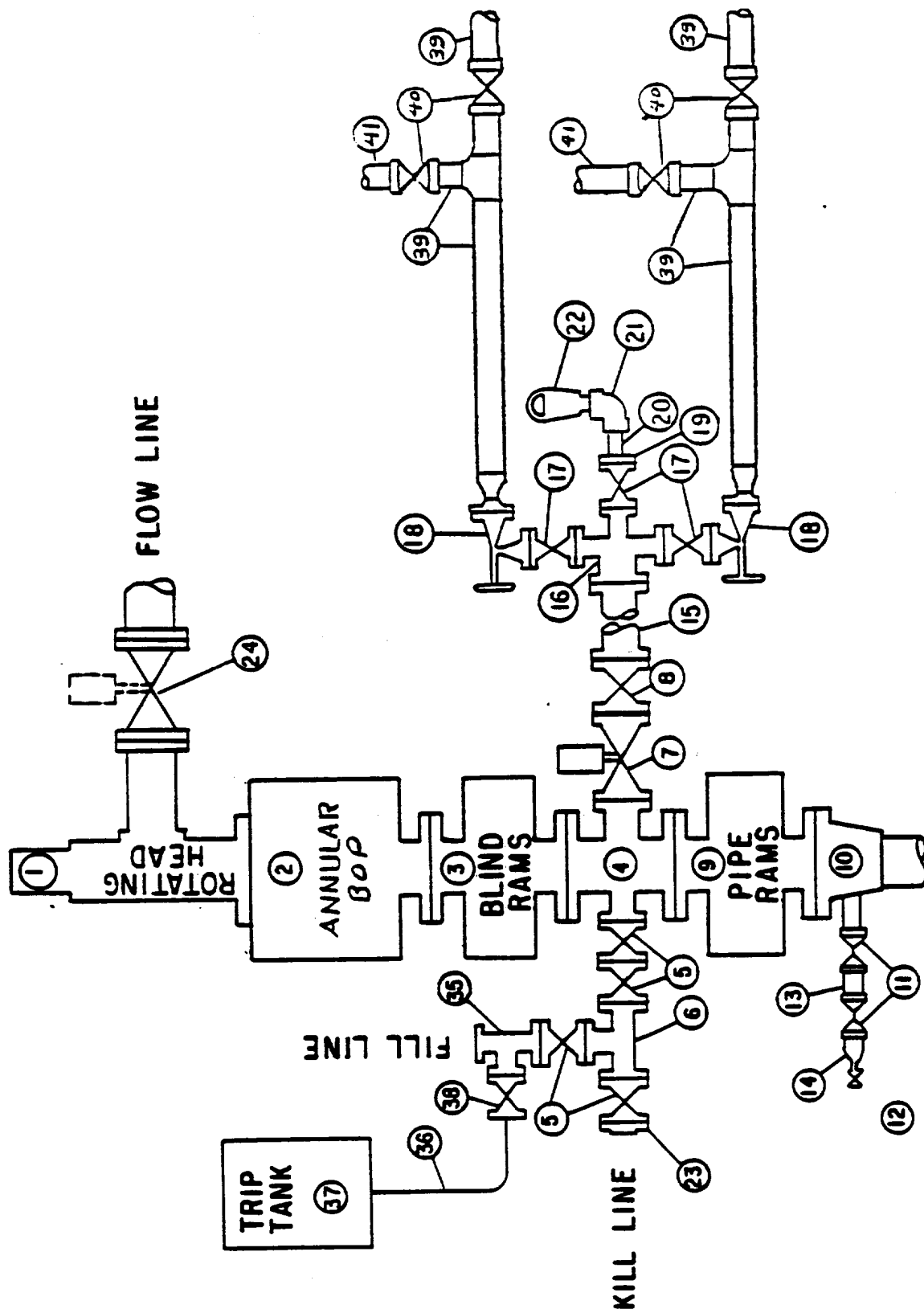
MIDLAND DRILLING ORGANIZATION
 BLOWOUT PREVENTER SPECIFICATION
 TYPE VI



EQUIPMENT FOR FLOW DIVERSION

1. HYDRIL OR SHAFFER
2. FLANGED SPOOL
3. THREADED FLANGE
4. SLIP-ON OR THREADED FLANGE
5. CONDUCTOR
6. FLOWLINE

MIDLAND DRILLING ORGANIZATION
BLOWOUT PREVENTER SPECIFICATION
TYPE II -B



**BLOWOUT PREVENTER SPECIFICATIONS
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 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 XH nipple.
21. 2-inch forged steel 90° Elb.
22. Cameron (or equal.) threaded pressure gate.
23. Threaded flange.
24. 6-inch manual or pressure operated gate valve.
25. 2-inch flanged tee.
26. 3-inch (minimum) hose. (Furnished by Exxon).
27. Trip tank. (Furnished by Exxon).
28. 2-inch flanged plug or gate valve.
29. 2-1/2-inch pipe, 300' to pit, anchored.
30. 2-1/2-inch SE valve.
31. 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 QEC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type Z ram-type BOP's with factory modified side outlets may be used on 3000 psi and lower WP BOP stacks.

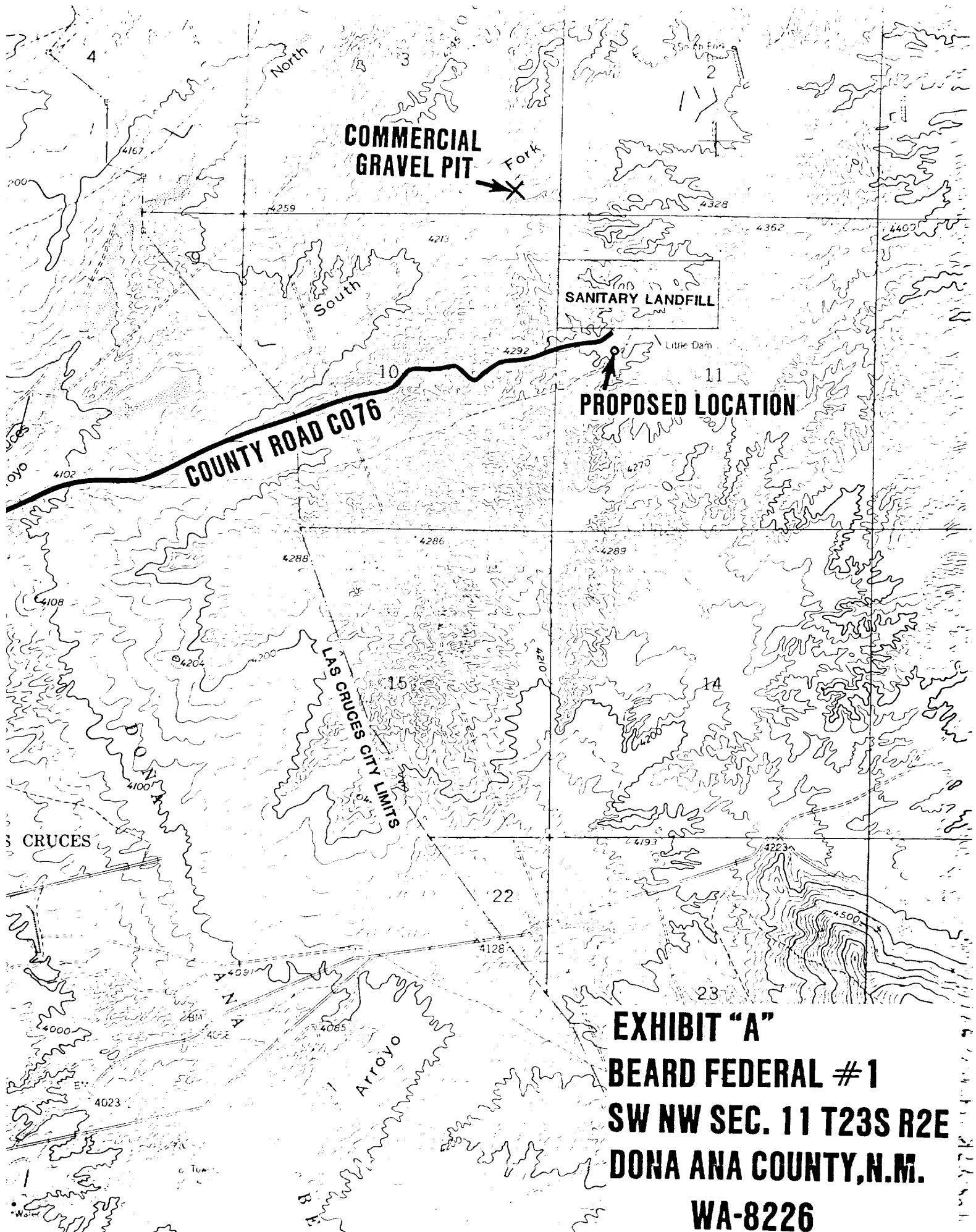
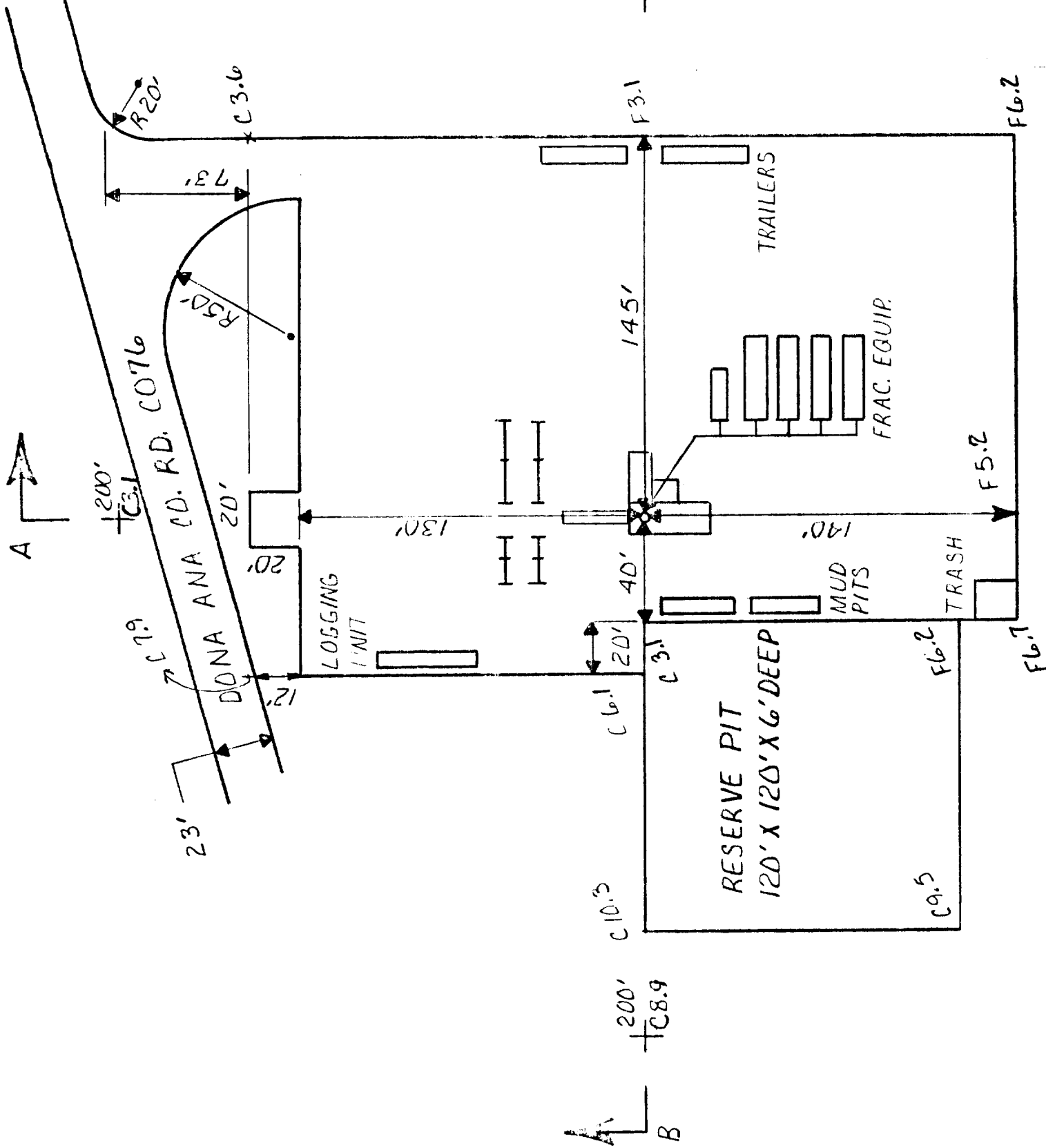
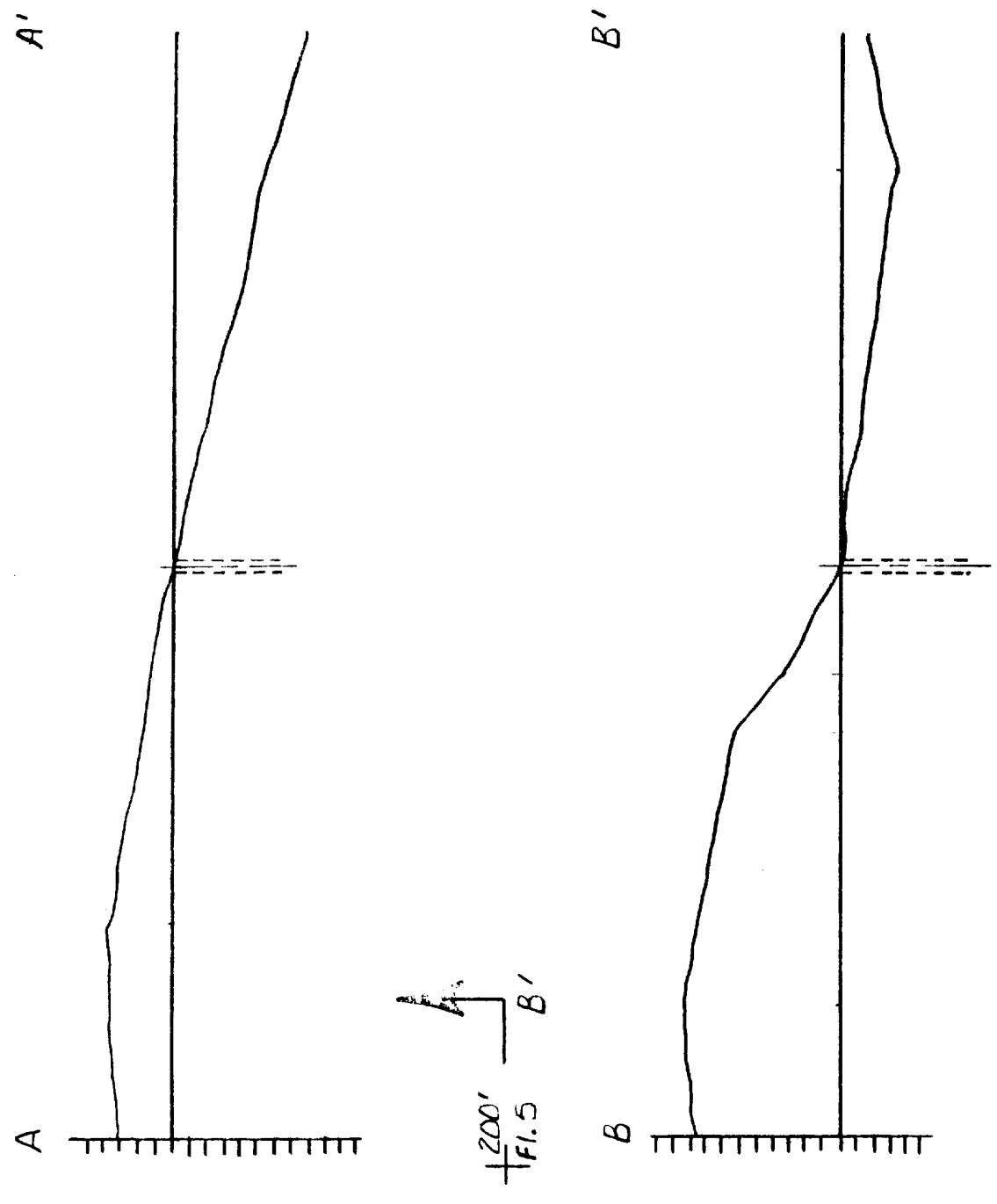


EXHIBIT "A"
BEARD FEDERAL #1
SW NW SEC. 11 T23S R2E
DONA ANA COUNTY, N.M.
WA-8226



CROSS SECTIONS
SCALE: HORIZONTAL: 1"=60'
VERTICAL: 1"=10'



WELL SITE LAYOUT
SCALE 1"=50'
V-DOOR NORTH

EXHIBIT "B"

BEARD FEDERAL #1 SW NW SEC. 11 T23S R2E DONA ANA CO. N.M.		EXXON COMPANY, USA (a division of Exxon Corporation) PRODUCTION DEPARTMENT	
DRAWN: <u>2. Hall</u>	ENGR. SECTION: _____	DATE: <u>8-12-83</u>	FILE NO.: <u>WB-1870</u>
CHECKED: _____	APPROVED: _____	JOB NO.: _____	SCALE: <u>SHOWN</u>
REVISED: _____			