

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*

(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-24281

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 ☒RECEIVED
MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Exxon Corporation ✓

SEP 28 1982

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, Texas 79702

O. C. D.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

660' FSL and 660' FEL of Section

ARTESIA, OFFICE

At proposed prod. zone

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

16.4 miles SSW of Artesia

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST 660' drlg line

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 660' lease line

16. NO. OF ACRES IN LEASE

120

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. 1333' W to #1

19. PROPOSED DEPTH

3000'

20. ROTARY OR CABLE TOOLS

Rotary

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

22. APPROX. DATE WORK WILL START*

October 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	75#	40'	Readi Mix to Surface
12 1/4 "	8 5/8"	24#	480'	240 cu. ft. to surface
7 7/8"	5 1/2"	14#	3000'	520 cu. ft. to surface

RECEIVED

SEP 7 1982

OIL & GAS
MINERALS MGMT. SERVICE
ROSWELL, 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

George H. Stewart
(Eng. Sgd.) GEORGE H. STEWART

TITLE

Unit Head

DATE September 3, 1982

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. GILLHAM
DISTRICT SUPERVISOR

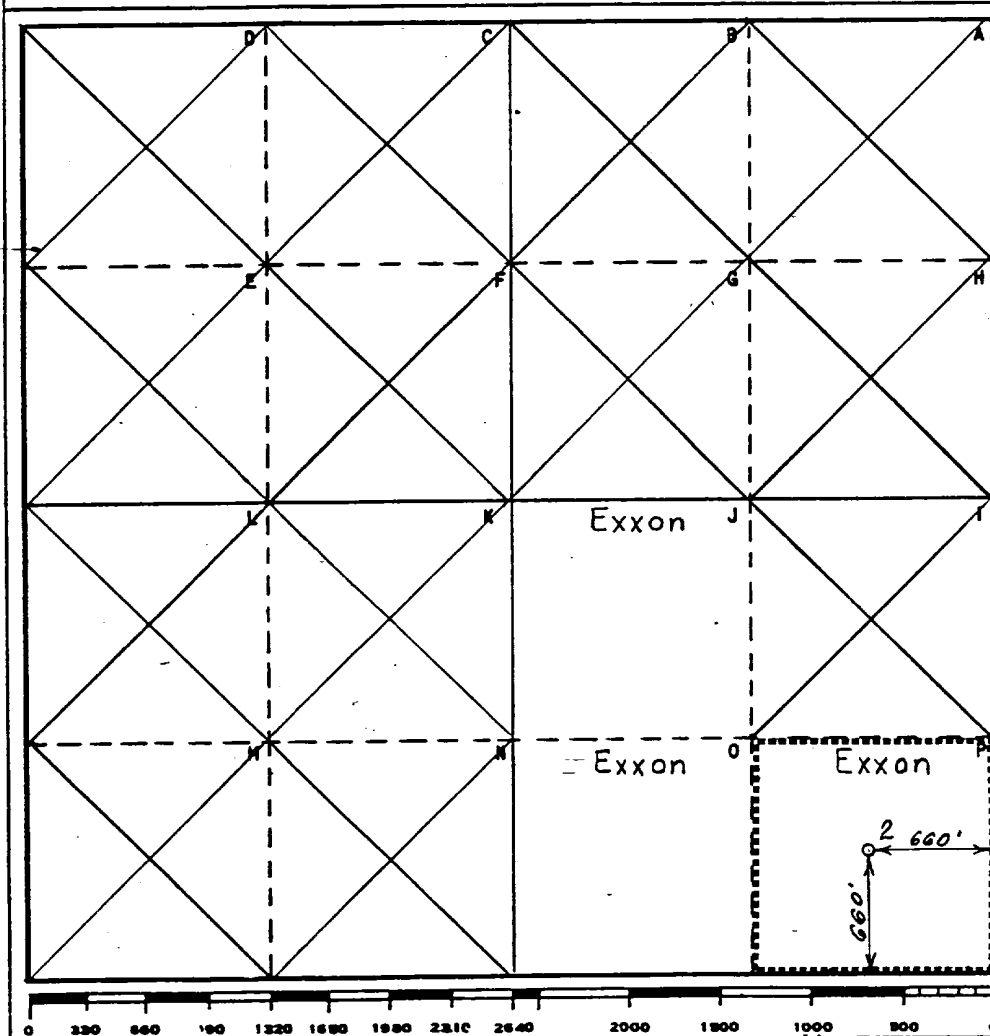
Operator Exxon Corporation		Lease Lakewood Federal		Well No. 2
Unit Letter P	Section 34	Township 19 S	Range 25 E	County Eddy
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the East line				
Ground Level Elev. -	Producing Formation Yeso	Pool Wildcat	Dedicated Acreage: 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.

Name
Melba Kripling
Position
UNIT HEAD

Company Exxon Corporation
Box 1600 Midland, Texas

Date
8-26-82

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
8-20-82

Registered Professional Engineer
and/or Land Surveyor

H. S. Hesterfeld

Certificate No.
1382

16.4 Miles SSW of Artesia, New Mexico

C.E. Sec. File No. WA-7788

Exxon Corporation
Lakewood Federal Well #2
660' FSL and 660' FEL
Sec. 34, T19S, R25E
Eddy County, New Mexico
Federal Lease No. NM-31200

1. The geologic name of the surface formation: Recent.

2. The estimated tops of important geologic markers:

Yates	450'
Capitan	700'
Seven Rivers	1200'
San Andres	2300'
Yeso	2400'

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

Water	50'
Oil	2400'

4. Proposed Casing Program:

<u>String</u>	<u>Size</u>	<u>Weight/Grade</u>	<u>Condition</u>	<u>Depth Interval</u>
Surface	8-5/8"	24#/K-55	New or Used	0- 480'
Production	5 1/2"	14#/K-55	New or Used	0-3000'

5. Minimum specifications for pressure control equipment:

a. Wellhead Equipment - Threaded type 2000 spi WP for 8-5/8" x 5-1/2" casing program and 2-7/8" tubing.

b. Blowout Preventers - Refer to attached drawing and list of equipment titled "Type I-C" for description of BOP stack and choke manifold.

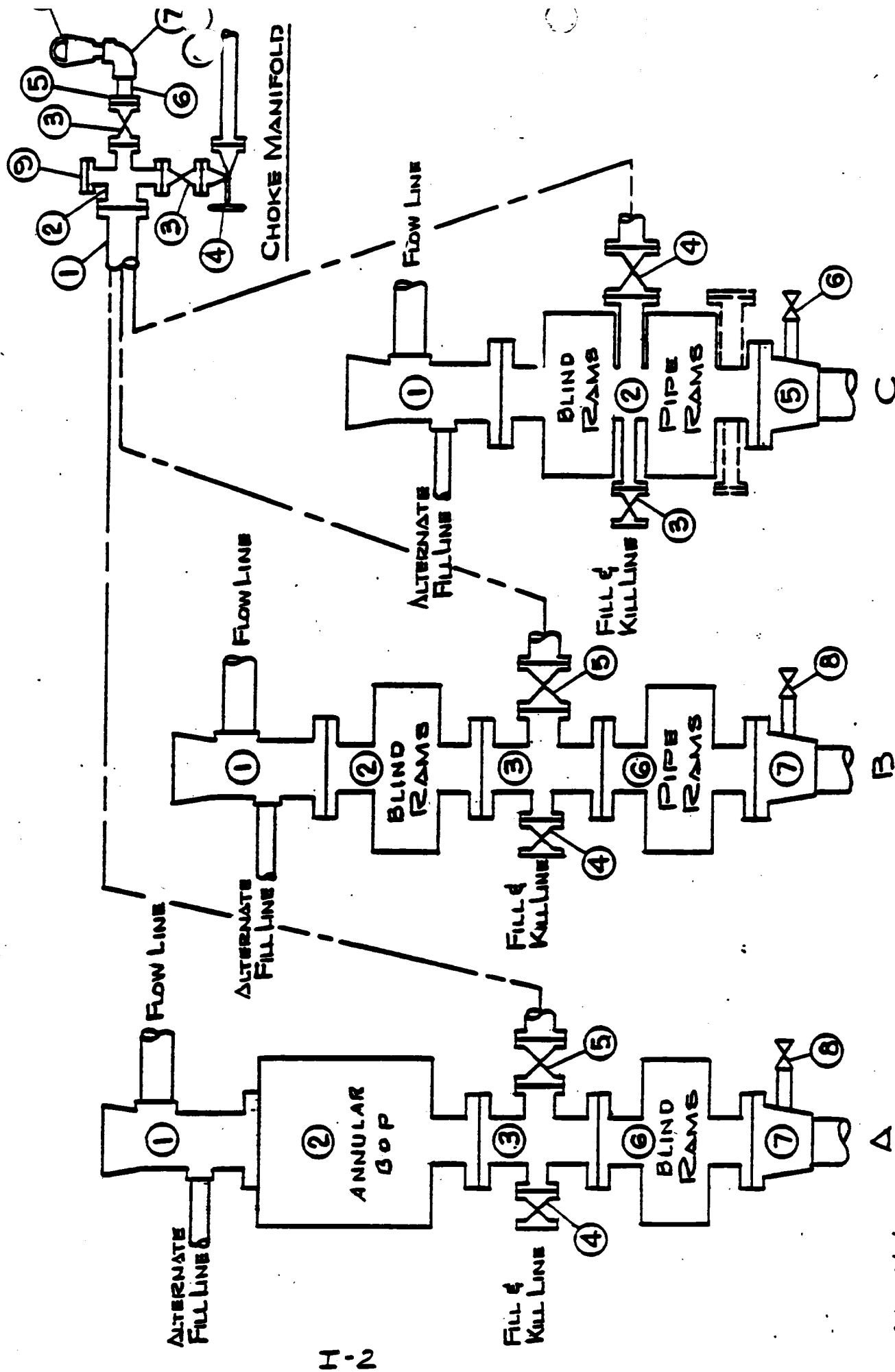
c. BOP Control Unit - Unit will be hydraulically operated and have at least 4 control stations.

d. Testing - When installed on 8-5/8" surface casing the BOP stack will be tested to a low pressure (200-300 psi) and to 2000 psi. Casing rams will be tested in like manner when installed prior to running production casing. 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 pipe is out of the hole.

MIDLAND DRILLING ORGANIZATION

BLOWOUT PREVENTER SPECIFICATION

TYPE I



TYPE I

BOP stack "A", "B" or "C" acceptable. All equipment should be at least API 2000 psi W.P. or higher unless otherwise specified.

BOP STACK "A"

1. Ball Nipple with flow line and fill connection.
2. Hydril or Shaffer bag type preventer.
3. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
4. 2-inch (minimum) flanged plug or gate valve.
5. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
6. Ram type pressure operated blowout preventer with blind rams.
7. Screw type casing head (furnished by Exxon) with flange adapter (furnished by contractor).
8. Plug or gate valve (furnished by Exxon).

BOP STACK "B"

1. Ball nipple with flow line and fill connection.
2. Ram type pressure operated blowout preventer with blind rams.
3. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
4. 2-inch (minimum) flanged plug or gate valve.
5. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
6. Ram type pressure operated blowout preventer with pipe rams.
7. Screw type casing head (furnished by Exxon) with flange adapter (furnished by contractor).
8. Plug or gate valve (furnished by Exxon).

BOP STACK "C"

1. Ball nipple with flow line and fill connection.
2. Double pressure operated ram type preventer with blind rams in the top and pipe rams in the bottom with one 4-inch and one 2-inch (minimum) side outlets.
3. 2-inch (minimum) flanged plug or gate valve.
4. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
5. Screw type casing head (furnished by Exxon) with flange adapter (furnished by contractor).
6. Plug or gate valve (furnished by Exxon).

CHOKE MANIFOLD

1. 4-inch flanged spacer spool.
2. 4-inch X 2-inch X 2-inch X 2-inch flanged cross.
3. 2-inch flanged plug or gate valve.
4. 2-inch flanged adjustable choke.
5. 2-inch threaded flange.
6. 2-inch X H nipple.
7. 2-inch forged steel Ell.
8. Cameron (or equal.) threaded pressure gage.
9. Blind flange.
10. 2-1/2-inch pipe, 300' to pit, anchored.

NOTES:

1. Replacement pipe rams and blind rams shall be on location at all times.
2. Only type U, QRC, E and LWS ram type preventers acceptable.

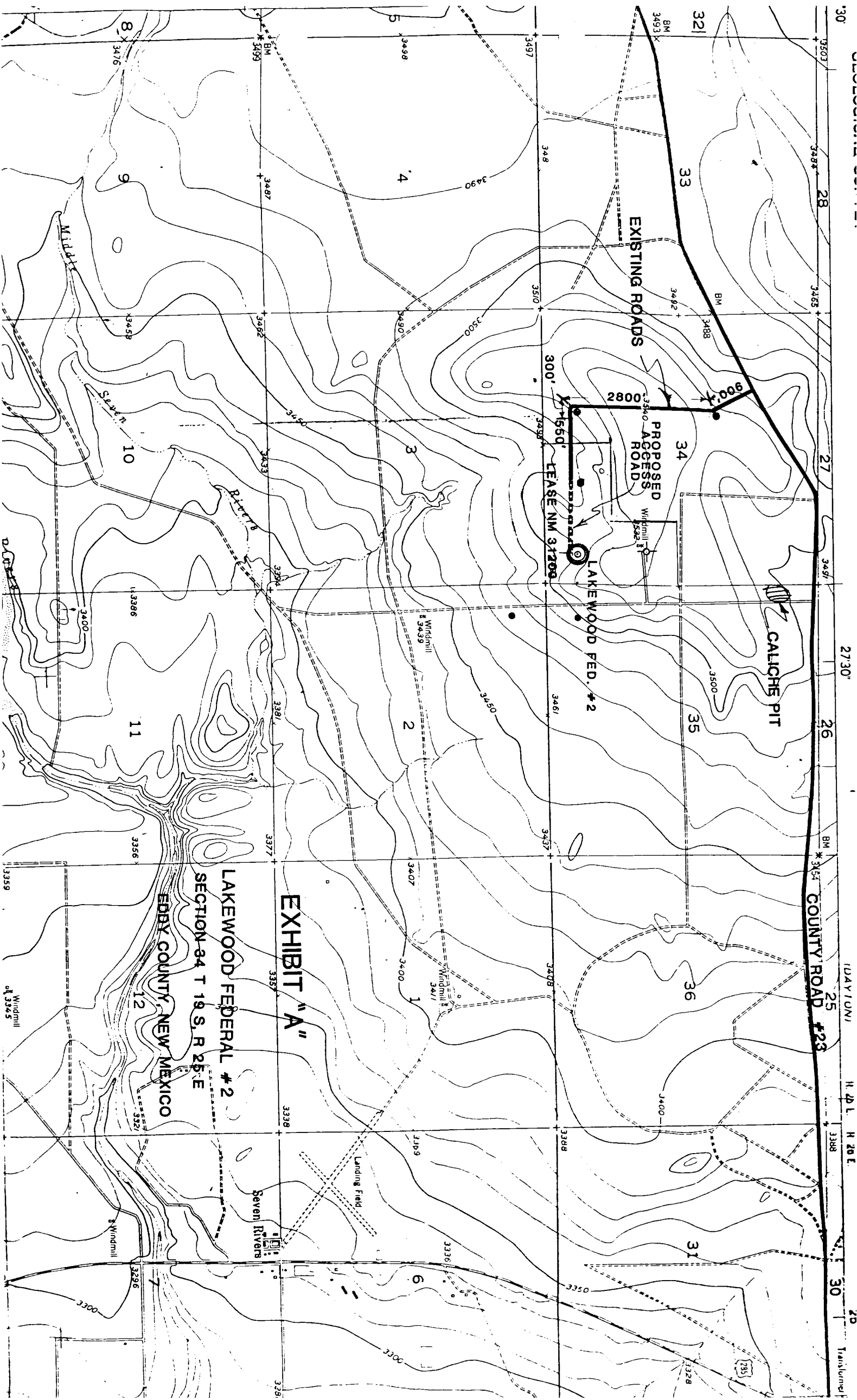


EXHIBIT "A"

LAKEWOOD FEDERAL #2
SECTION 34 T 19 S, R 26 E

EDDY COUNTY, NEW MEXICO

EXISTING ROADS

PROPOSED
ACCESS
ROAD

LAKEWOOD FED. #2

CALICHE PIT

Landing Field

Seven Rivers

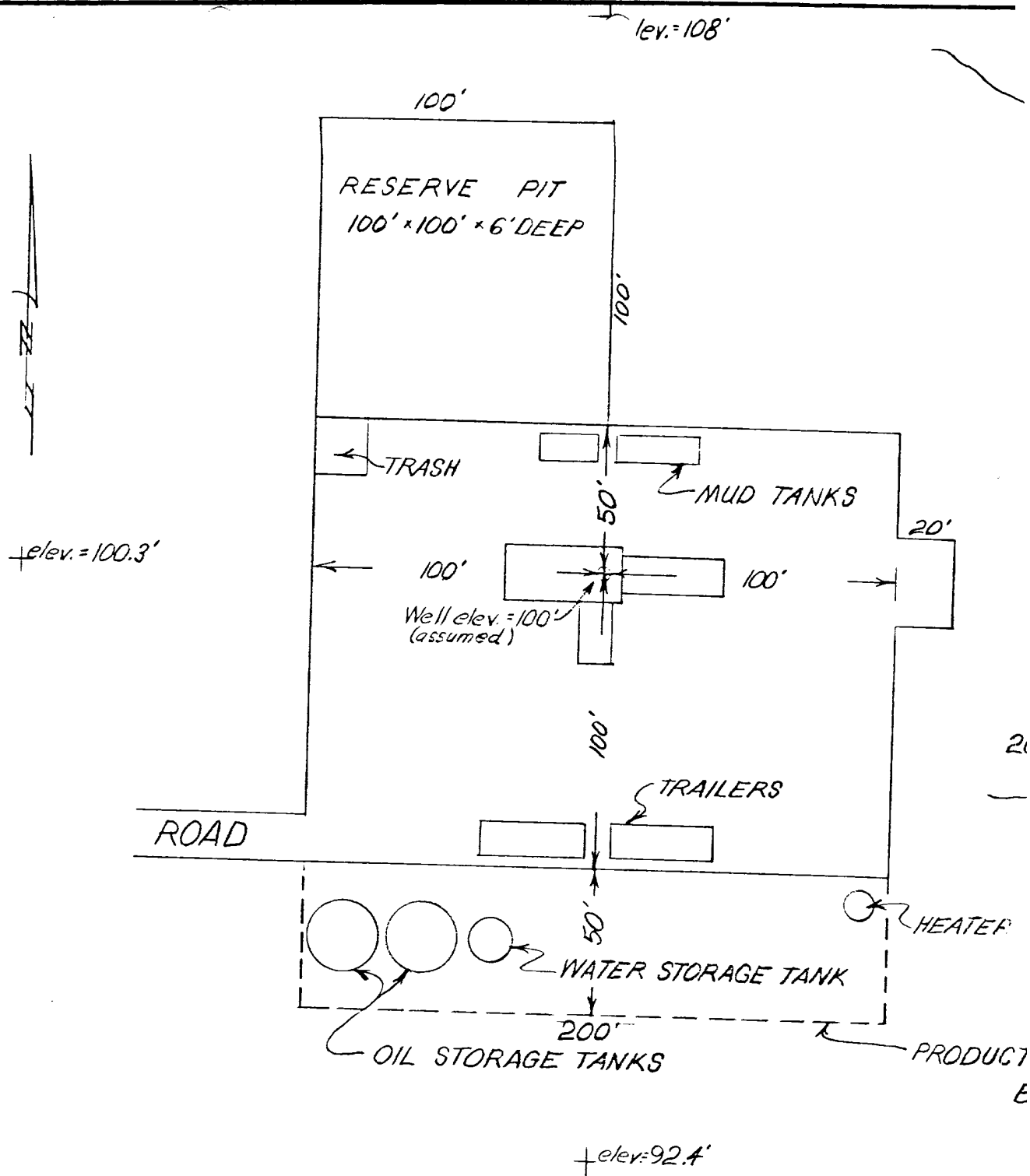
Windmill

Windmill

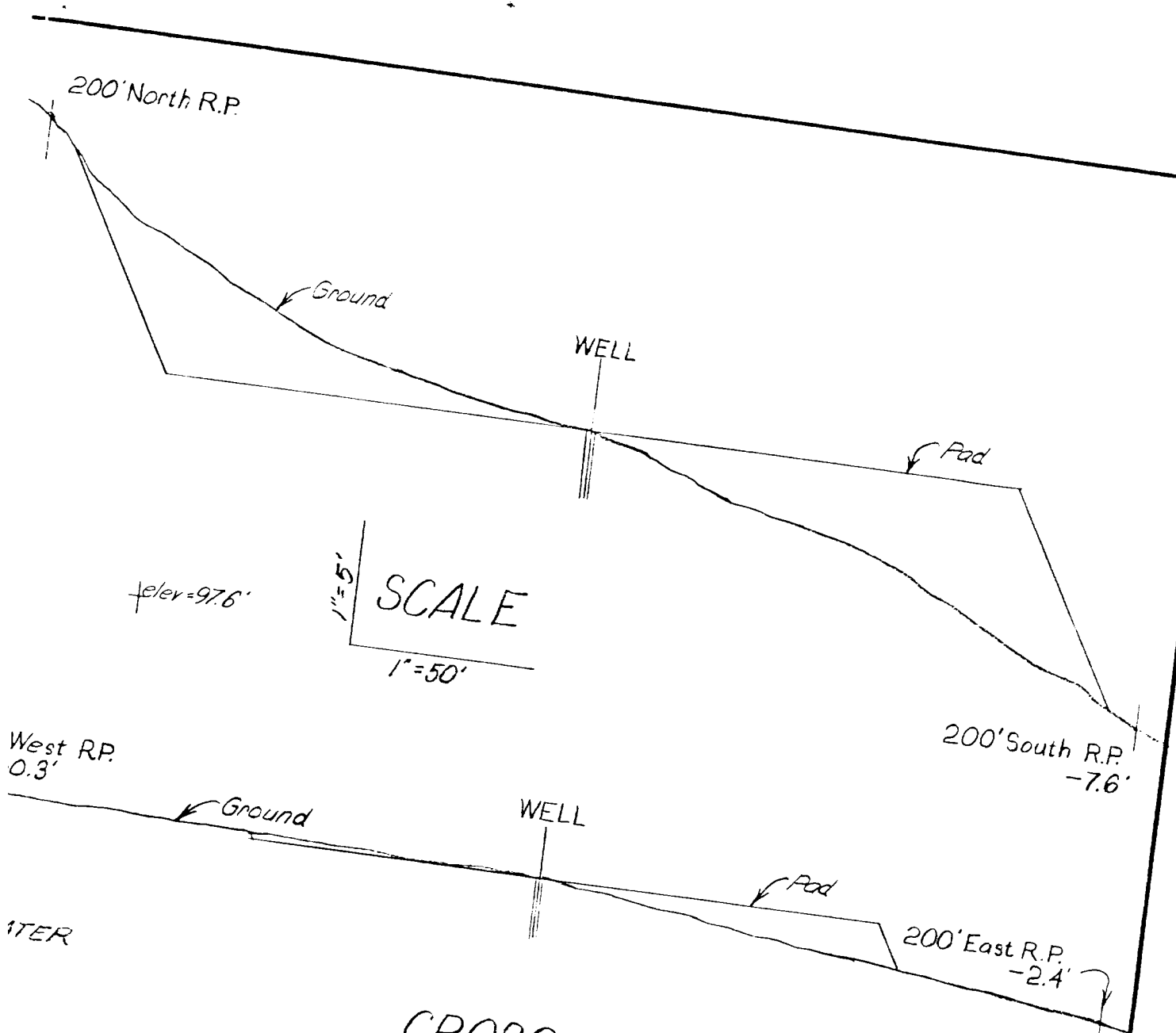
Windmill

Windmill

Windmill



WELL SITE LAYOUT



FACILITIES
DRY

CROSS SECTIONS

EXHIBIT "B"

LAKEWOOD FEDERAL #2		EXXON COMPANY, U.S.A. (a division of Exxon Corporation)	
SECTION 34 T19S R25E NMPM		PRODUCTION DEPARTMENT	
EDDY COUNTY, NEW MEXICO			
SS.	ENGR. SECTION <i>Civil</i>	DATE <i>8/31/82</i>	JOB NO.
	APPROVED _____	SCALE <i>shown</i>	FILE NO.
	REVISED _____		<i>WB-1783</i>