

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 21 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
ARTESIAN, OFFICE

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Exxon Corporation

ATTN: MELBA KNIPLING

3. ADDRESS OF OPERATOR

Box 1600, Midland, Texas 79702

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

At surface 660' FSL and 1980' FWL of Sec. (SE SW)

At proposed prod. zone 709' 1829'

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

6 miles SW of Carlsbad

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

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

3776' NE to #1

19. PROPOSED DEPTH

11,600

20. ROTARY OR CABLE TOOLS

Rotary

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

3855' GR

22. APPROX. DATE WORK WILL START*
8-15-85

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	20"	94.5	80'	50 sx to surface
17 1/2"	13 3/8"	54.5	1000' 1600'	500 sx to surface
12 1/4"	9 5/8"	40	2600'	500 sx to surface
8 1/2"	5"	15	11,600'	500 sx to 9000'



Posted IDI
APL & NL
8-30-85

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 6-6-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

8-20-85

Subject to
Like Approval
by State

Unorthodox location

NSL-2122

App. 8-20-85

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

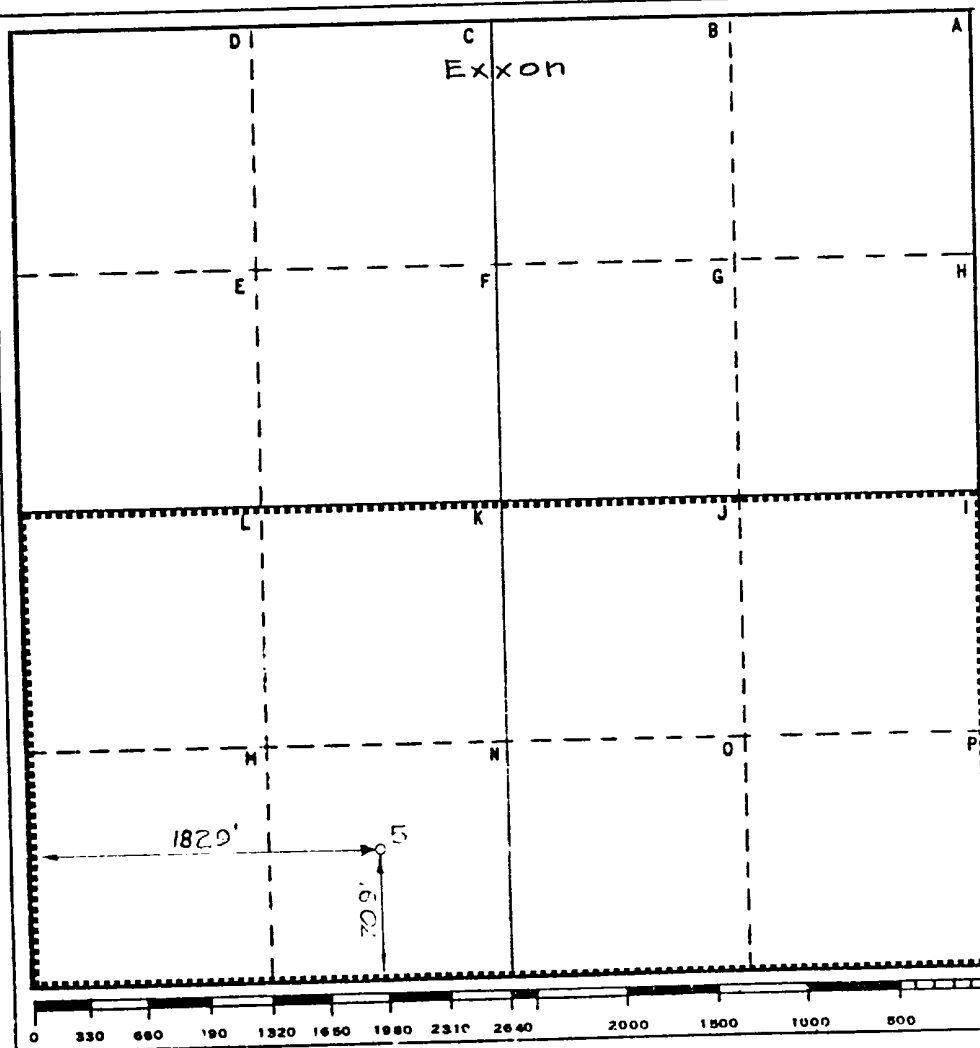
Operator Exxon Corporation			Lease MARY FEDERAL		Well No. 5
Unit Letter N	Section 11	Township 23 S	Range 25 E	County EDDY	
Actual Footage Location of Well: 709 feet from the South line and 1829 feet from the West line					
Ground Level Elev. 3855	Producing Formation MORROW	Pool SHEEP DRAW-MORROW GAS(UND)		Dedicated Acreage: 320	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 Knippling

Position
UNIT HEAD

Company Exxon Corporation
Box 1600 Midland, Texas

Date
8-2-85

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
7-25-85

Registered Professional Engineer
and/or Land Surveyor

Bruce R. Pennell
Certificate No.
#9062

6.0 Miles SW of Carlsbad, New Mexico

C.E. Sec. File No. W-A-8245

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-0426782

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mary Federal

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Undesig. Sheep Draw-Morrow

11. SEC. T. R. W. OR B.L. AND SURVEY OR AREA Gas

Sec. 11-T23S-R25E

12. COUNTY OR PARISH 13. STATE

Eddy

NM

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
Exxon Corporation Attn: Melba Knipling

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.
See also space 17 below.)
At surface

709' FSL and 1829' FWL of Sec. 11 (SE SW)

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, CR, ETC.)

3855' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PLUG OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

Changed location

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Please approve our location change from 660' FSL and 1980' FWL to 709' FSL and 1829' FWL of Sec 11, and an addendum to our 8 point plan of casing and cement program.

A new location plat, Exhibits A & B are also attached.

AN UNORTHODOX LOC. IS BEING REQUESTED.

18. I hereby certify that the foregoing is true and correct

SIGNED

This space for Federal or State office use)

TITLE

Unit Head

DATE

8-2-85

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Exxon Corporation

ATTN: MELBA KNIPLING

3. ADDRESS OF OPERATOR

Box 1600, Midland, Texas 79702

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

At surface: 660' FSL and 1980' FWL of Sec. (SE SW)

At proposed prod. zone

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

6 miles SW of Carlsbad

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

3776' NE to
#1

19. PROPOSED DEPTH

11,600

20. ROTARY OR CABLE TOOLS

Rotary

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

3855' GR

22. APPROX. DATE WORK WILL START*

8-15-85

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	20"	94.5	80'	50 sx to surface
17 1/2"	13 3/8"	54.5	1350' 1600'	500 sx to surface
12 1/4"	9 5/8"	40	2600'	500 sx to surface
8 1/2"	5"	15	11,600'	500 sx to 9000'

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

6-6-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

also to your department or agency of the

Exxon Lse. No. _____ N. MEXICO OIL CONSERVATION COMMISSION
State Lse. No. _____ WELL LOCATION AND ACREAGE DEDICATION AT
Federal Lse. No. _____ All distances must be from the outer boundaries of the Section.

Form C-102
Supersedes C-128
Effective 1-4-85

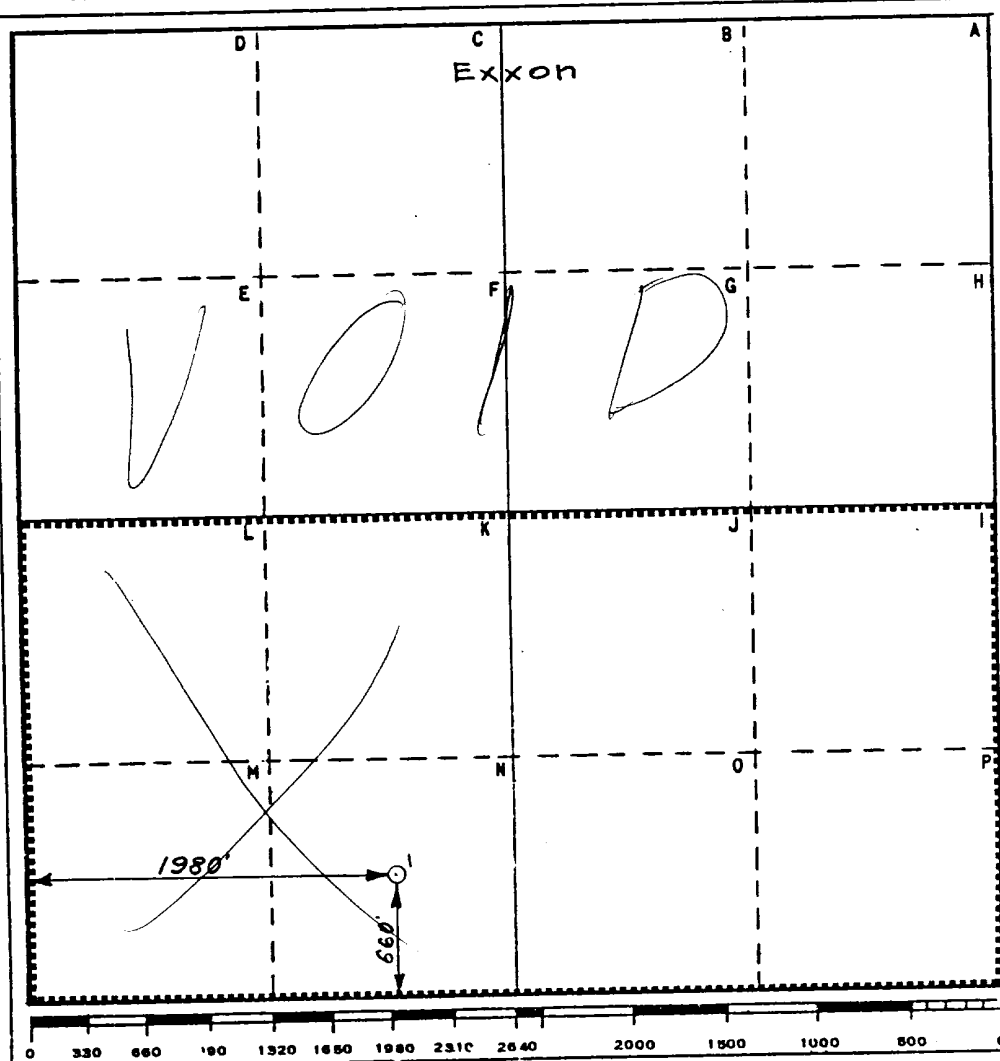
Operator Exxon Corporation		Lease MARY FEDERAL		Well No. 5
Unit Letter N	Section 11	Township 23 S	Range 25 E	County EDDY
Actual Footage Location of Well: 660 feet from the South line and 1980 feet from the West line				
Ground Level Elev. 3855	Producing Formation MORROW	Pool SHEEP DRAW-MORROW GAS (UND.)	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
Melba Kripling
Position
UNIT HEAD

Company Exxon Corporation
Box 1600 Midland, Texas

Date
6-5-85

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
5-16-85

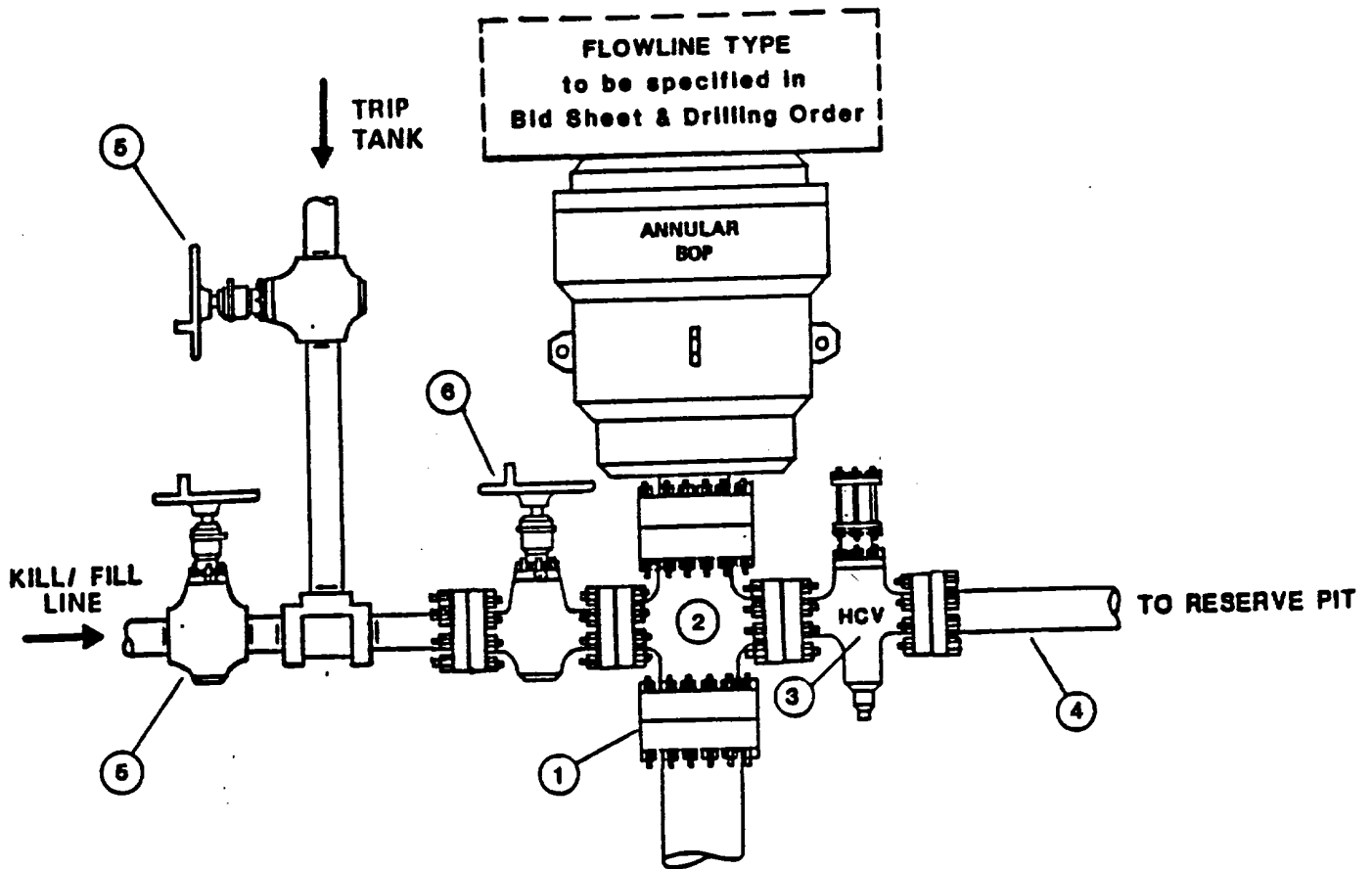
Registered Professional Engineer
and/or Land Surveyor

Bruce R. Pennell
Certificate No.
9062

6.0 Miles SW of Carlsbad, New Mexico

C.E. Sec. File No. W-A-8945

TYPE SA BOP



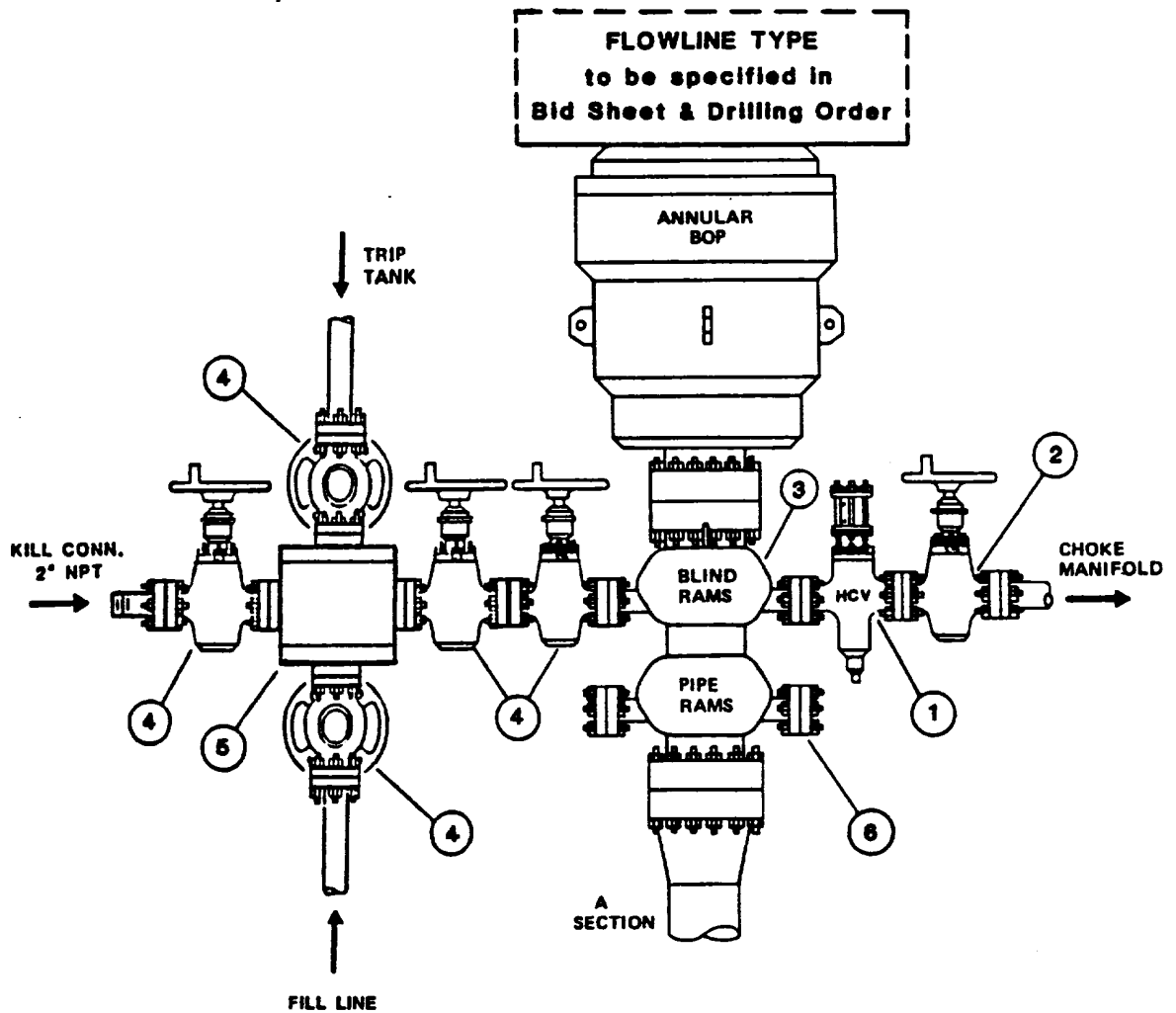
COMPONENT SPECIFICATIONS

Type SA Bop

1. Wellhead or BOP Companion flange - screwed or welded to casing.
2. Flanged Drilling Spool.
3. Hydraulically operated full opening flanged valve -- 4" minimum -- 2000 psi minimum working pressure. Valve is closed during normal operations.
4. Diverter line minimum size 4" internal diameter, steel pipe. Diverter lines must be securely anchored. Only flanged or welded connections can be used for pipe joint connections and 45° or 90° ells must not be installed on the end of diverter lines to direct flow downward.
5. Flanged or screwed gate or plug valve -- 2" minimum nominal diameter and 2000 psi minimum working pressure.
6. Full opening flanged gate or plug valve -- 2" minimum -- 2000 psi minimum working pressure.

TYPE RRA BOP STACK

THREE PREVENTERS



COMPONENT SPECIFICATIONS

Type RRA BOP Stack

1. Flanged hydraulically controlled gate valve -- 3" minimum nominal diameter -- same working pressure as BOP stack.
2. Flanged plug gate valve -- 3" minimum nominal diameter -- same working pressure as BOP stack.
3. BOP outlets must be 2" minimum nominal diameter for kill line and 3" minimum diameter for choke line.
4. Flanged plug or gate valve -- 2" minimum nominal diameter -- same working pressure as BOP stack.
5. Flanged cross or two (2) flanged tees.
6. Any BOP side outlet flange, located below the bottom ram, must be equipped with a blind flange.

NOTE: Each BOP stack must have separate side outlet connections for kill and choke lines, unless specific approval for a single side-outlet is obtained from the Exxon Division Drilling Manager prior to rig-up. Such approval will not be granted unless the equipment arrangement conforms to the specifications shown on pages 14 and 15 of this Section.

DRILLING PLAN
MARY FEDERAL #5
SECTION 11, T-23-S, R-25-E
EDDY COUNTY, NEW MEXICO

1. Estimated tops of important geological markers:

Delaware	1,400'
Bone Springs	4,820'
Wolfcamp	8,450'
Strawn	9,800'
Atoka	10,200'
Morrow	10,900'

2. Estimated depths at which the top of anticipated water, oil, gas, or other mineral-bearing formations are expected to be encountered and the plan for protecting such resources:

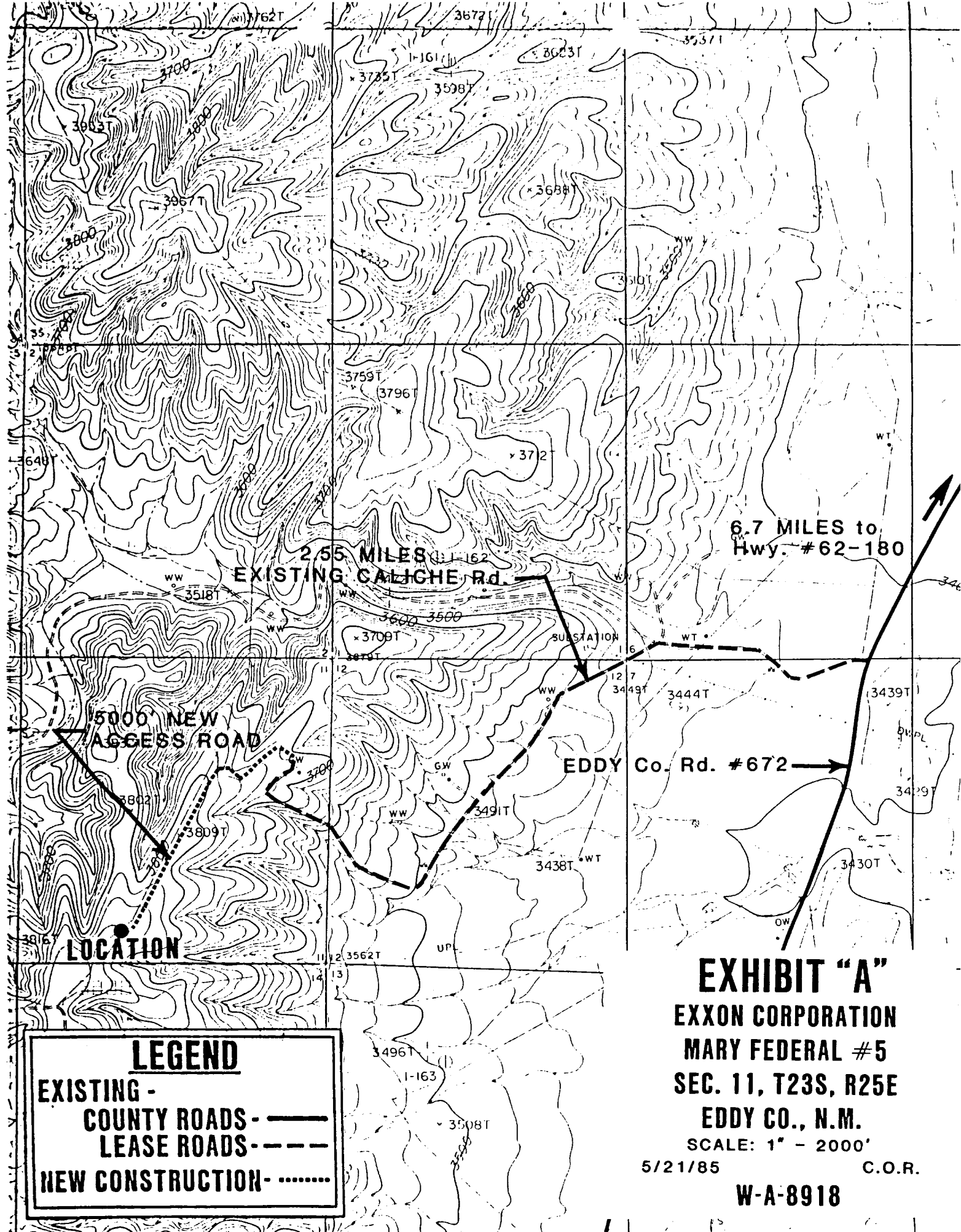
	<u>Depth</u>	<u>Protection</u>
Deepest F. W.	300'	Casing and Cement
Oil - Delaware	1,400'	Casing and Cement
Oil - Canyon	9,600'	Casing and Cement
Oil - Strawn	9,800'	Casing and Cement
Oil - Atoka	10,200'	Casing and Cement
Gas - Morrow	10,900'	Casing and Cement

3. Minimum specifications for pressure control equipment:

- A. Wellhead Equipment:
- | | |
|------------------|-----------------------------------|
| A-Section | 13-3/8-8RD x 13-5/8-3000 psi |
| B-Section | 13-5/8-3000 psi x 11-3000 psi |
| Tubing Head | 11-3000 psi x 7-1/16-5000 psi |
| Tbg. Hd. Adapter | 7-1/16-5000 psi x 2-1/16-5000 psi |
| Tree | 2-1/16-5000 psi |
- B. Blowout Preventers: Refer to attached drawings and list of equipment. The SA BOP will be used on surface casing to 2600'±. The RRA will be used on intermediate casing from 2600' to 11,600'.
- C. BOP Control Unit : Unit will be hydraulically operated from a control unit, located at least 40 feet from the BOP stack.
- D. Testing : Refer to the attached "Equipment Testing and Crew Training Requirements."

4. Supplementary drilling equipment information:

- A. Kelly Cocks : Upper and lower installed on Kelly.
- B. Safety Valve : Full opening ball type to fit each size and type drill pipe in use will be available on rig floor at all times.



2.55 MILES
EXISTING CALICHE Rd.

6.7 MILES to
Hwy. #62-180

EDDY Co. Rd. #672

5000' NEW
ACCESS ROAD

LOCATION

LEGEND

EXISTING -
COUNTY ROADS - ———

LEASE ROADS - - - - -

NEW CONSTRUCTION -

EXHIBIT "A"
EXXON CORPORATION
MARY FEDERAL #5
SEC. 11, T23S, R25E
EDDY CO., N.M.

SCALE: 1" = 2000'
5/21/85 C.O.R.
W-A-8918

