NM OIL CONS. C[illegible] ISSION
Drawer DD
Artesia, NM 88210

API # 30-015-24301

Form 9-331 C
(May 1963)

SUBMIT IN PLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 29 1983
ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

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

2. NAME OF OPERATOR
Exxon Corportion

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
4620' FSL and 1980' FWL of Section
At proposed prod. zone
(Irregular Section)

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.
28

10. FIELD AND POOL, OR WILDCAT
Undesignated -Avalon (Delaware)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-21S-27E

12. COUNTY OR PARISH
Eddy

13. STATE
N M

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

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

16. NO. OF ACRES IN LEASE
2261.75

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' West to #27

19. PROPOSED DEPTH
5,000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3188' GR

22. APPROX. DATE WORK WILL START*
2nd Quarter, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94 #	40'	25 sx. Redi Mix (to surface)
17 1/2"	13 3/8"	54.5#	600'	500 sx. (to surface)
11"	8 5/8"	24 #	2500'	700 sx (Tie into surface csg.)
7 7/8"	5 1/2"	14 & 15.5#	5000'	700 sx (Tie into int. csg.)

RECEIVED
MAY 25 1983
OIL & GAS
ROSWELL, NEW MEXICO

Posted APD
APD-1 w/ NSL Book
APD 7-1-83

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 Melba Knipling TITLE Unit Head DATE May 24, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY A. L. Lopez TITLE _____ DATE 6/27/83

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.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-396

Exxon Lse. No. _____ NEW MEXICO OIL CONSERVATION COMMISSION

State Lse. No. _____ WELL LOCATION AND ACREAGE DEDICATION PLAT

Federal Lse. No. _____

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.
Exxon Corporation	Yates ~~Federal~~ "C" Fed	28

Unit Letter	Section	Township	Range	County
Lot 11 K	4	24 S	27 E	Eddy

Actual Footage Location of Well:
4620 feet from the South line and 1980 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3188	Delaware	Undesig. Avalon	40 Acres

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

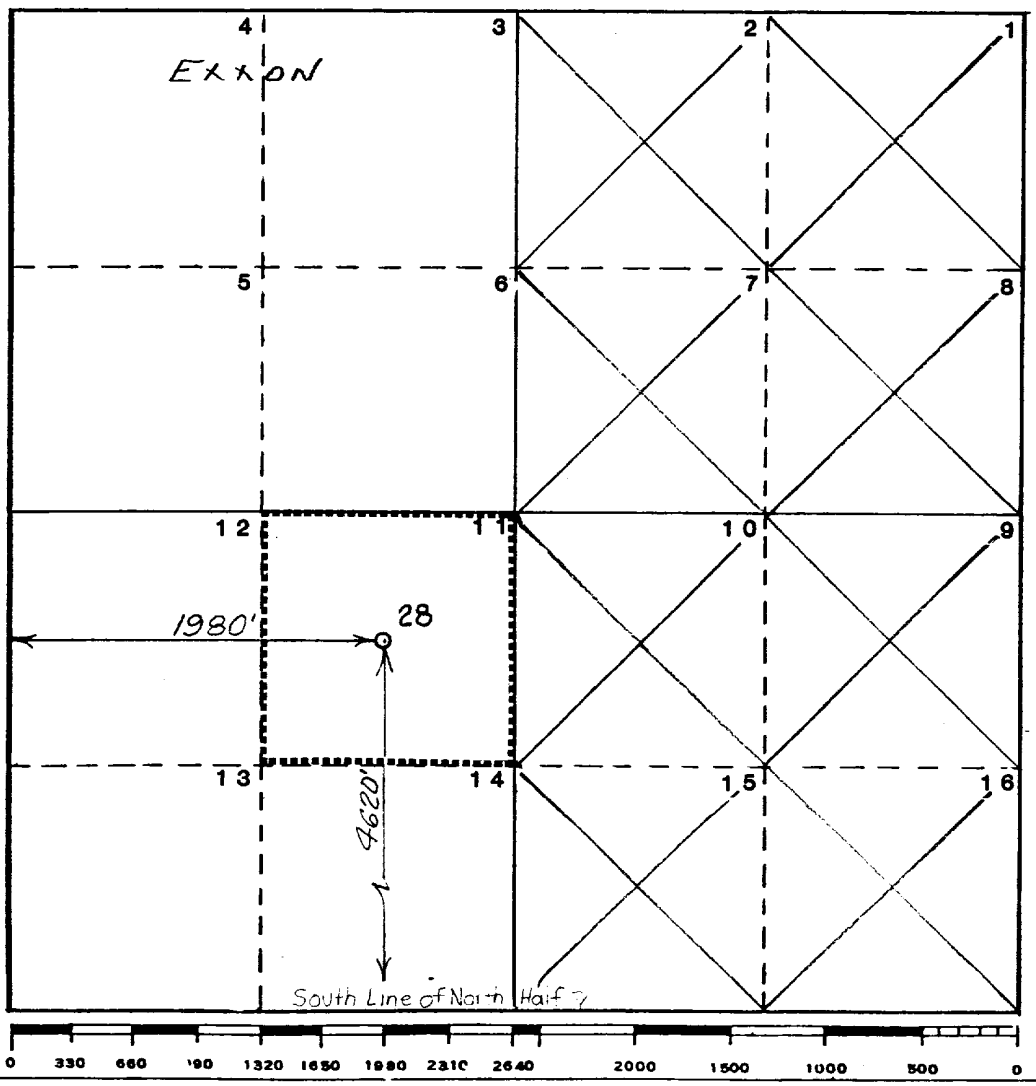
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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: Meeba Kripling

Position: UNIT HEAD

Company: Exxon Corporation

Box 1600 Midland, Texas

Date: 5-24-83

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.

NEW MEXICO 6157 RICHMOND REGISTERED LAND SURVEYOR

Date Surveyed: 5-10-83

Registered Professional Engineer and/or Land Surveyor

W J Richmond

Certificate No. 6157

9 Miles N of Carlsbad New Mexico

10 POINT PLAN
Yates Federal C-28
Section 4, 21S, 27E
Eddy County, New Mexico
May 9, 1983

1. The geologic name of the surface formation: Recent

2. The estimated tops of important geologic markers:

Delaware Mt. Grp.	:	2500'
Bone Spring	:	4700'

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

Deepest FW	:	500'
Oil		
Bone Spring	:	4700'

4. Proposed casing program:

STRING	SIZE	WEIGHT/GRADE	CONDITION	DEPTH INTERVAL
Conductor	20"	94#/H-40	New	0- 40'
Surface	13-3/8"	54.5#/K-55	New	0- 600'
Intermediate	8-5/8"	24#/K-55	New	0-2500'
Production	5-1/2"	14# & 15.5#/K-55	New	0-5000'

5. Minimum specifications for pressure control equipment:

   A. Wellhead equipment - Threaded type, 2000 psi WP for 13-3/8" x 8-5/8" x 5-1/2" casing program with 2-7/8" tubing hanger.

   B. Blowout preventers - Refer to attached drawings and lists of equipment titled "Type II-C" for description of BOP stacks and choke manifold.

   C. BOP control unit - Unit will be hydraulically operated and have at least two control stations.

   D. Testing - Upon installation, the Type II-C BOP's for the 13-3/8" surface casing and the 8-5/8" intermediate casing will be tested to a low pressure (200-300 psi) and to a high pressure of 2000 psi. Casing rams will be tested in a like manner. 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 rams preventers will be closed on drill pipe and the blind rams will be closed while pipe is out of the hole.

6. Type and anticipated characteristics of drilling fluid:

DEPTH INTERVAL	MUD TYPE	WEIGHT	FUNNEL VISC.	WL	pH
0- 600	FW	8.4-8.8	25-30	—	10.5+
Surf-5000	Cut BW	8.8-9.5	30-32	—	10.5+

7. Auxiliary control equipment:

A. Kelly cocks: Upper and lower installed on kelly.

B. Safety valve: Full opening ball type to fit each type and size of drill pipe in use will be available on rig floor at all times. The valves will be in the open position for stabbing into drill pipe when kelly is not in the string.

C. Trip tank: Will be installed after setting surface casing to insure that the hole is full of fluid and that the hole takes the proper amount of fluid on trips.

D. Mud system monitor: Monitoring equipment and floats at the bit will not be used unless conditions dictate. A flow rate indicator will be installed after surface casing has been set.

8. Testing, logging and completion programs:

A. Logging: Surface casing - TD GR - Sonic
Intermediate casing - TD FDC - CNL
Intermediate casing - TD DLL MSFL

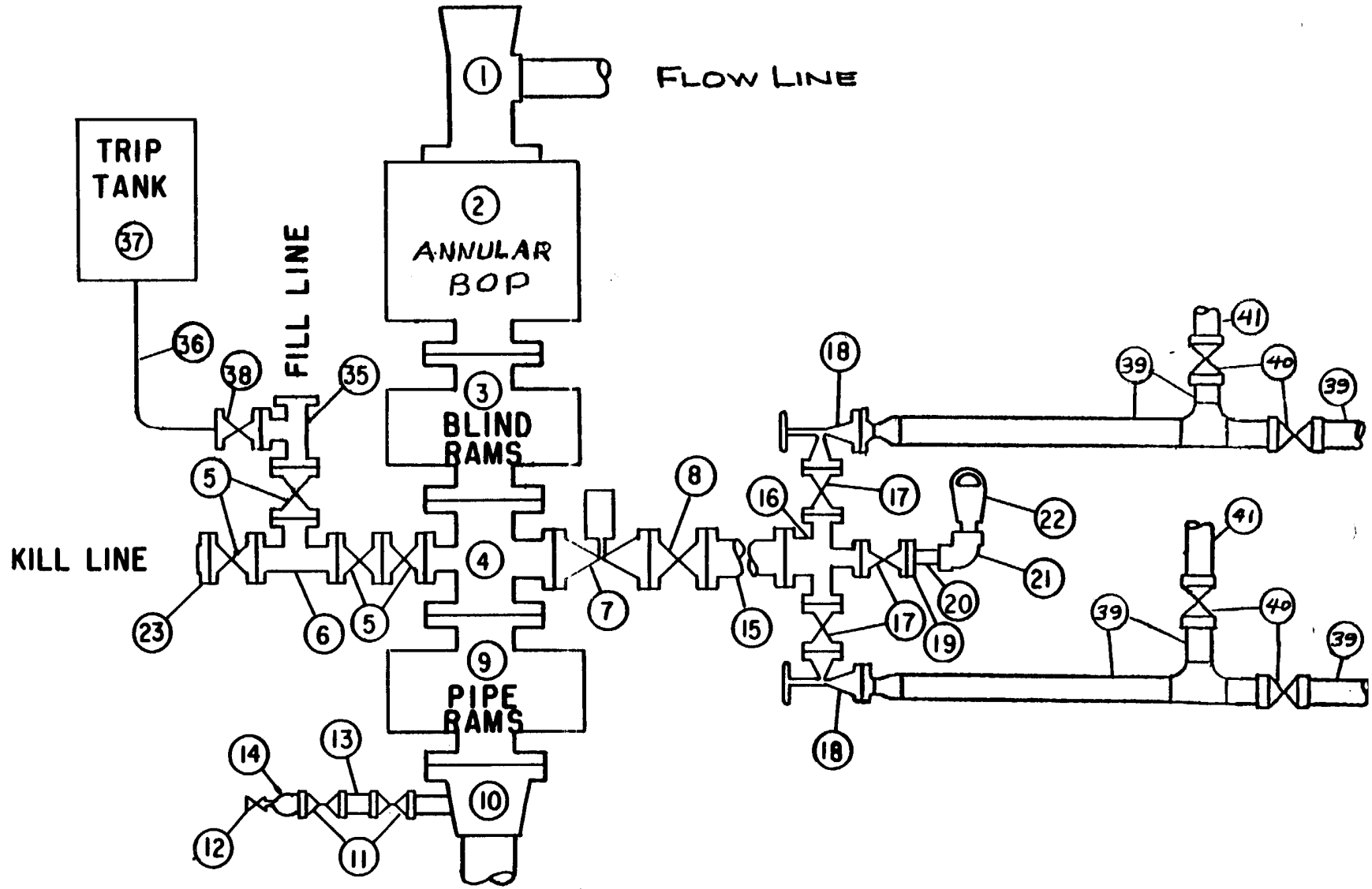
B. Proposed completion procedure: Spot acid across pay zone. Run GR-CCL and perforate. Acidize with 1500 gallons 15% gelled NE HCl.

C. Production method: Run tubing anchor on 2-7/8" tubing and set above perforations. Produce by artificial lift.

MIDLAND DRILLING ORGANIZATION

BLOWOUT PREVENTER SPECIFICATION

TYPE II - C



9/15/73

BLOWOUT PREVENTER SPECIFICATI
EQUIPMENT DESCRIPTION

TYPE II-C

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

1. Bell nipple.
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 XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.

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 or lower WP BOP stacks.