

**EXXON** COMPANY, U.S.A.

POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

March 26, 1990

PRODUCTION DEPARTMENT  
SOUTHWESTERN DIVISION

Application for Unorthodox Well Location  
and Simultaneous Acreage Dedication  
Yates "C" Federal Well No. 36  
Unit A, Section 31, T20S, R28E  
Avalon Delaware Pool  
Eddy County, New Mexico

Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
State Land Office Building  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87504

9916

Attention: Mr. David Catanach

Exxon Corporation requests permission to drill the captioned well at an unorthodox well location in the Avalon Delaware Pool and to simultaneously dedicate Unit A to this well and to the existing Yates "C" Federal Well No. 4. Our proposed location for Well No. 36 is 1305' from the north and east lines of Section 31, as shown on the attached Form C-102. This location is 16.7' and 27.5' from the quarter-quarter section boundary, closer than permitted by NMOCD Rule 104.

We have requested this location almost equidistant from existing wells in the northeast quarter of Section 31 in an effort to encounter reserves which the existing wells cannot produce. In addition, we are planning an aggressive coring, logging and testing program for the well, and we anticipate this location will provide significant amounts of information. Thirdly, the proposed location could be utilized in any future post-primary recovery projects requiring increased well density.

We are notifying offset operators by copy if this letter and its attachments. A list of those operators is attached. We request that this application be set for hearing on April 18, 1990.

Sincerely,



Richard D. Goddard  
Regulatory Affairs Supervisor

RDG:dbm  
Attachments

c: NMOCD District II, Artesia, New Mexico  
Bureau of Land Management, Carlsbad Resource Area  
Offset Operators  
Mr. James Bruce, (Hinkle, Cox, Eaton, Coffield, & Hensley)

Mr. David Catanach

2

Send Overnight Mail

Copies sent Certified Mail - Return Receipt

Addresses:

NMOCD District II  
811 South First Street  
Artesia, New Mexico 88210

Mr. James Bruce  
Hinkle, Cox, Eaton, Coffield, & Hensley  
500 Marquette NW, Suite 740  
Albuquerque, New Mexico 87102-2121

Bureau of Land Management  
Carlsbad Resource Area  
P.O. Box 1778  
Carlsbad, New Mexico 88220

Attachments:

NMOCD Form C-101  
NMOCD Form C-102  
BOP Diagram  
Offset Operators List

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

Federal

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

NM 01119

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

Yates "C" Federal

2. Name of Operator

Exxon Corporation

8. Well No.

36

3. Address of Operator

P.O. Box 1600, Midland, TX 79702

9. Pool name or Wildcat

Avalon - Delaware

4. Well Location

Unit Letter A : 1305 Feet From The North Line and 1305 Feet From The East Line

Section 31

Township 20 S

Range 28 E

NMPM

Eddy

County

10. Proposed Depth  
5100

11. Formation  
Delaware

12. Rotary or C.T.  
Rotary

13. Elevations (Show whether DF, RT, GR, etc.)  
3232 GL

14. Kind & Status Plug. Bond  
Blanket

15. Drilling Contractor  
Unknown

16. Approx. Date Work will start  
4-30-90

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	54.5	600	425 ft <sup>3</sup>	Surf
11	8 5/8	32.24	2500	1050 ft <sup>3</sup>	Surf
7 7/8	5 1/2	14, 15.5	5000	600 ft <sup>3</sup>	2000 +/-

The BOPs will be a minimum 2000 psi WP. BOP sketch attached.

Distance from 1/4 1/4 section line: 16.7' FSL & 27.5' FWL.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Charlotte Harper TITLE Permits Supervisor DATE 3-26-90

TYPE OR PRINT NAME Charlotte Harper (915) 688-7548 TELEPHONE NO.

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

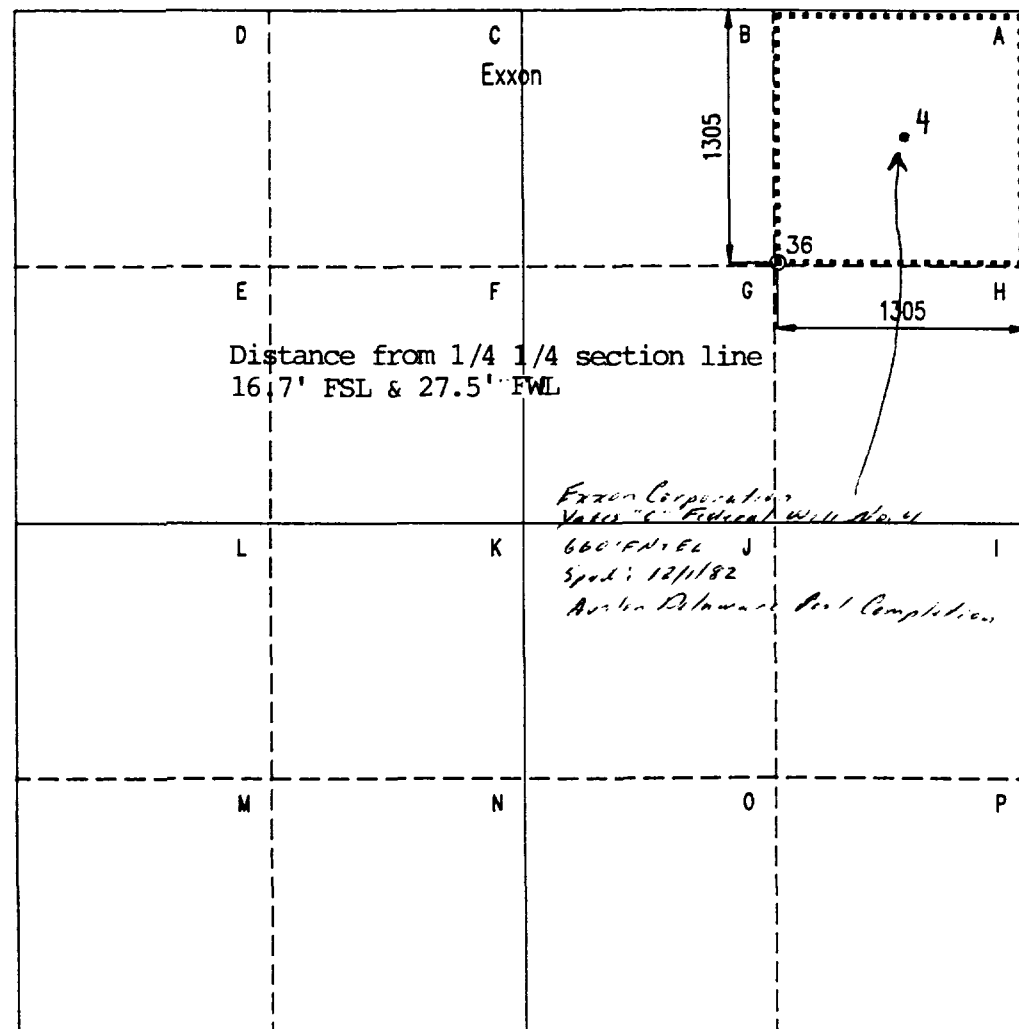
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Operator Exxon Corporation			Lease YATES "C" FEDERAL		Well No. 36
Unit Letter A	Section 31	Township 20S	Range 28E	County NMPM	EDDY
Actual Footage Location of Well: 1305 feet from the NORTH line and 1305 feet from the EAST line.					
Ground level Elev. 3232'	Producing Formation DELAWARE	Pool AVALON DELAWARE		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
*Charlotte Harper*

Printed Name  
Charlotte Harper

Position  
PERMITS SUPERVISOR

Company  
Exxon Corporation  
P.O. Box 1600-Midland, Tx.-79702

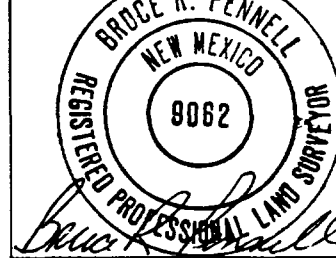
Date  
3-23-90

SURVEYOR CERTIFICATION

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  
3/21/90

Signature & Seal of  
Professional Surveyor

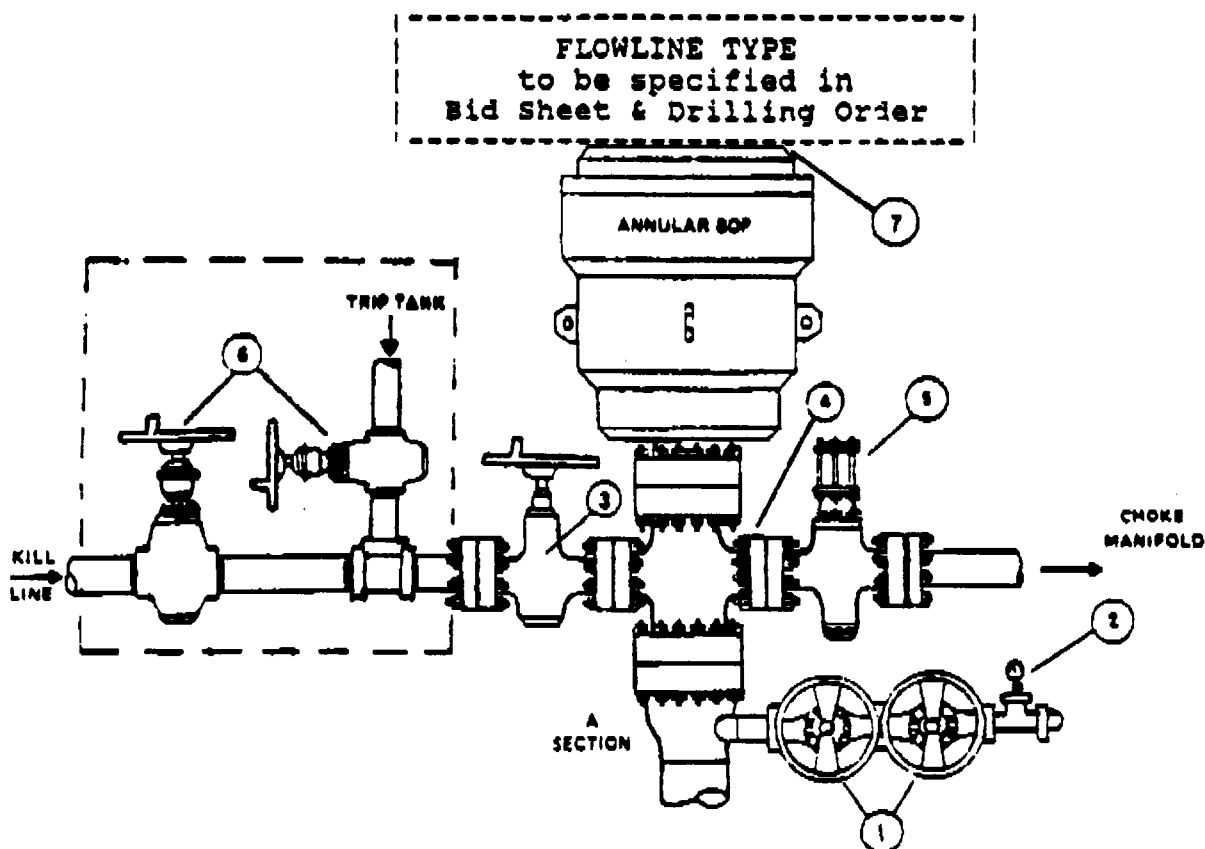


Certificate No.  
9062

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

# TYPE-SA BOP STACK

## ANNULAR



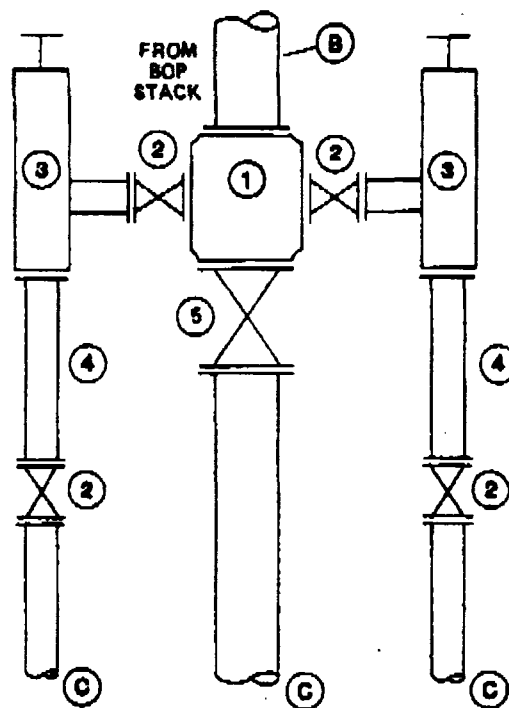
### COMPONENT SPECIFICATIONS

1. Screwed or flanged plug or gate valves -- 2" minimum nominal dia. -- same working pressure as "A" section.
2. Tee with tapped bullplug, needle valve, and pressure gauge.
3. Flanged plug or gate valve -- 2" minimum nominal dia. -- same working pressure as BOP stack.
4. Drilling spool. -- 3" choke and 2" kill line minimum nominal dia.
5. Flanged hydraulically controlled gate valve -- 3" minimum nominal dia. -- same working pressure as BOP stack.
6. Flanged or screwed gate or plug valve -- 2" minimum nominal dia. -- same working pressure as BOP stack. NOTE: Valves are optional if trip tank is tied into Flowline Type.
7. Top of annular preventer must be equipped with an API flange ring gasket. All flange studs must be in place or holes filled in with screw type plugs.

#### NOTE:

- A. Unless specified otherwise in the Bid Letter and/or Contract, the contractor will furnish and maintain all components shown above Exxon's wellhead.
- B. The choke line between the drilling spool and choke manifold should not contain any bend or turn in the pipe body. Any bend or turn required should be made with a running tee with a blind flange or welded bullplug. All connections should be flanged or welded. All fabrications requiring welding must be done by a certified welder. Welds should be stress relieved when required.
- C. Plug valves should be equivalent to the Howco Lo-Torc and gate valves equivalent to the Cameron Type 'F'.

# TYPE-2A CHOKE MANIFOLD



TO RESERVE PIT OR FLARE PIT

## COMPONENT SPECIFICATIONS

1. Flanged or studded cross - 3" x 3" x 2" x 2" minimum nominal diameter with blind flange and equipped with needle valve and pressure gauge.
2. Flanged plug or gate valve - 2" minimum nominal diameter; valve to have same working pressure rating as choke.
3. Flanged manually adjustable choke equipped with tungsten carbide stems and seats and at least 3/4" orifice opening.
4. Flanged spacer spool - 2" minimum nominal diameter and approximately 18" length.
5. Flanged plug or gate valve - 3" minimum nominal diameter; valve to have same working pressure rating as choke.

### NOTE:

- A. The rated working pressure of the choke manifold will be specified in the Bid Letter and Drilling Order and all equipment must conform to the specifications herein.
- B. The choke line between the BOP stack and choke manifold should not contain any unnecessary bends or turns. Any required turns must be made with a running tee and a blind flange or welded bullplug. All connections must be either flanged or welded and all welding must be done by a certified welder.
- C. Flare lines must be laid to the reserve pit or flare pit and must be securely anchored.

Eddy County, New Mexico  
March 22, 1990

T-20-S, R-27-E

Section 36

William B. Blakemore, II  
Tommy Phipps  
Edwin J. White  
C/O Alpha Twenty One Corp.  
303 W. Wall - Suite 2100  
Midland, Tx. 79701

Yates Petroleum Corp.  
Yates Drilling Co.  
Abo Petroleum Corp.  
John A. Yates  
S. P. Yates  
Myco Industries, Inc.  
207 S. 4th  
Artesia, NM 88210

MWJ Producing Company  
Martin & Williams  
William H. Martin  
R. Kenneth William  
Edward H. Judson  
John L. Schlagel  
400 W. Illinois  
Midland, Tx. 79701

Sigmor Inc.  
& LAJ Corp.  
400 W. Illinois - Suite 1100  
Midland, Tx. 79701

OXY U.S.A. Inc.  
P. O. Box 300  
Tulsa, OK. 74102

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R.  
  
Eddy County, New Mexico  
March 22, 1990

T-20-S, R-27-E

Section 25

Amoco Production Company  
P. O. Box 3092  
Houston, Tx. 77001

Nortex Corp.  
1212 Main - Suite 1400  
Houston, Tx. 77002

Pennzoil Exploration & Production Company  
P. O. Box 2967  
Houston, Tx. 77252-2967

Chevron U.S.A. Inc.  
P. O. Box 1635  
Houston, Tx. 77251

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T-205 R-19-E  
Section 30

Exxon Corporation  
P. O. Box 2305  
Houston, Texas 77252-2305

Sun Operating Ltd. Partnership  
P. O. Box 2880  
Dallas, Texas 75231

Chevron U.S.A.  
P. O. Box 1635  
Houston, Texas 77251

Yates Petroleum  
Myco Industries Inc.  
Yates Drilling Co.  
ABO Petroleum Co.  
105 S. 4th  
Artesia, New Mexico 88210

Mesa Petroleum  
P. O. Box 2009  
Amarillo, Texas 79189

Coquina Oil Corp.  
P. O. Box 2960  
Midland, Texas 79702

American National Petroleum Co.  
P. O. Box 42175  
Houston, Texas 77242-2175

North American Royalty Co.  
306 W. Wall, Suite 1400  
Midland, Texas 79701

Mobil Producing Texas & New Mexico Inc.  
P. O. Box 633  
Midland, Texas 79702

T-20-S R-28-E  
N2, SW, S2SE Section 29

Bureau of Land Management  
120 S. Federal Place  
Santa Fe, New Mexico 87501

Exxon Corporation  
P. O. Box 2305  
Houston, Texas 77252-2305

Mary Ard  
William A. Hudson II  
Edward R. Hudson, Jr.  
1000 First National Bank Building  
Fort Worth, Texas 77002

Mesa Operating Ltd. Partnership  
P. O. Box 2009  
Amarillo, Texas 79189

Yates Petroleum  
Myco Industries Inc.  
Yates Drilling Co.  
ABO Petroleum Co.  
105 S. 4th  
Artesia, New Mexico 88210

Coquina Oil Corp.  
P. O. Box 2960  
Midland, Texas 79702

Kerr-McGee Corp.  
123 Robert S. Kerr Ave.  
Oklahoma City, Oklahoma 73102

Rosalind Redfern  
P. O. Box 2127  
Midland, Texas 79702

Claremont Corp.  
2640 E. 12th Avenue, No. 612  
Denver, Colorado 80206

North American Royalty Co.  
306 W. Wall, Suite 1400  
Midland, Texas 79701

William H. Martin, R. Ken Williams,  
and Edward H. Judson Partnership  
413 First National Bank Bldg.  
Midland, Texas 79702



R

Eddy County, New Mexico  
March 22, 1990

T-20-S, R-28-E

Section 32

George D. Riggs,  
Bruce P. Riggs,  
& Kay Hood  
P. O. Box 322  
Carlsbad, NM 88220

A. F. Chisholm  
P. O. Box 625  
Laurel, MS 39440

Kearney A. Walters  
815 Brandon Dr.  
Jackson, Av. 39208

E. P. Russell  
Homewood  
Laurel, MS 39440

Dudley J. Hughes  
Box 525  
Beeville, Tx. 78102

Dan A. Hughes  
Box 525  
Beeville, Tx. 78102

R. L. Bunnell  
Box 110  
Carlsbad, NM 88220

J. A. Morgan  
534 6th  
Laurel, MS 39440

Exxon Corp.  
P. O. Box 1600  
Midland, Tx. 79702

Hondo Oil & Gas Company  
410 East College  
Roswell, NM 88201

Mesa Operating Limited Partnership  
Mesa Operating Company  
P. O. Box 2009  
Amarillo, Tx. 79189

Eddy County, New Mexico  
March 22, 1990  
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Section 32

Flag Redfern Oil Company  
(now Kerr McGee)  
123 Robert S. Kerr Av.  
Oklahoma City, OK 73102

Yates Petroleum Corp.  
Myco Industries Inc.  
Yates Drilling Co.  
John A. Yates  
Los Chicos  
105 S. 4th  
Artesia, NM 88210

Napeco, Inc.  
P. O. Box 236  
Midland, Tx. 79702

Jake L. Hamon  
P. O. Box 663  
Dallas, Tx. 75221

Lisa Kennedy Hicks  
3025 Republic Bank Tower  
Dallas, Tx. 75201

Joseph O. Kennedy, III  
P. O. Box 302  
Dallas, Tx. 75221

Clayton Chapell Kennedy  
9421 Thornberry Lane  
Dallas, Tx. 75220

Carol Chapell Henry, Trustee  
of the 1974 Chapell Trust;  
Donald Clayton Chapell  
c/o Jake L. Hamon  
P. O. Box 663  
Dallas, Tx. 75221

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Eddy County, New Mexico  
March 22, 1990

T-21-S, R-27-E

Section 6

Harvey E. Yates Company  
P. O. Box 1933 .  
Roswell, NM 88202

Mobil Producing Texas & New Mexico Inc.  
P. O. Box 633  
Midland, Tx. 79702

Petrus Oil Company  
12377 Merit Dr. - Suite 1600  
Dallas, Tx. 75251

Hondo Oil & Gas Company  
410 East College  
Roswell, NM 88291

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Eddy County, New Mexico  
March 22, 1990

T-21-S, R-27-E

Section 7

Monsanto Oil Company  
now BHP Petroleum (Americas) Inc.  
6 Desta Dr.  
Midland, Tx. 79705

Mobil Producing Texas & New Mexico Inc.  
P. O. Box 633  
Midland, Tx. 79702

Hondo Oil & Gas Company  
410 East College  
Roswell, NM 88291

Atlantic Richfield Company  
P. O. Box 1610  
Midland, Tx. 79702

William E. Jeffers  
P. O. Box 65  
Artesia, NM 88210

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R

Eddy County, New Mexico  
March 22, 1990

T-21-S, R-27-E

Section 8

Santa Fe Energy Operating Partners LP  
500 W. Illinois  
Midland, Tx. 79701

Yates Petroleum Corp.  
207 S. 4th  
Artesia, NM 88210

Mark L. Shidler, Inc.  
911 Walker St. - Suite 565  
Houston, Tx. 77002

Basin Petroleum Co.  
P. O. Box 4028  
Albuquerque, NM 87119

Viking Oil & Gas Company  
P. O. Box 1267  
Minneapolis, MN 55440

H. L. Brown, Jr.  
P. O. Box 2237  
Midland, Tx. 79702

Vivian L. Smith  
2000 W. Loop S. - Suite 1900  
Houston, Tx. 77027

Harvard & LeMay Exploration Co.  
Harvard Energy Partners  
LeMay Exploration LTD  
P. O. Box 936  
Roswell, NM 88201

Eastern Star Oil & Gas Exploration Co.  
7475 W. 5th, Suite 204  
Lakewood, CO 80226

W. Wilson Corp.  
619 W. Texas, Suite 400  
Midland, Tx. 79701

OXY U.S.A. Inc.  
P. O. Box 300  
Tulsa, OK 74102

Eddy County, New Mexico  
March 22, 1990  
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T-21-S, R-27-E

Section 8

Prudential Bache Energy Income Production Partnership VP 18  
109 Northpark Blvd.  
Covington, LA 70433

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R

Eddy County, New Mexico  
March 22, 1990

T-21-S, R-27-E

Section 9

Yates Petroleum Corp.  
Yates Drilling Co.  
Abo Petroleum Co.  
Myco Industries, Inc.  
207 S. 4th  
Artesia, NM 88210

OXY U.S.A. Inc.  
P. O. Box 300  
Tulsa, OK 74102

Ray Westfall  
P. O. Box 4  
Loco Hills, NM 88255

Hamon Operating Co.  
325 N. St. Paul - Suite 3900  
Dallas, Tx. 75201-3902

Donald Clayton Chapell  
Carol Chapell Henry  
C/O Jake L. Hamon  
325 N. St. Paul - Suite 3900  
Dallas, Tx. 75201-3902

Exxon Corporation  
P. O. Box 1600  
Midland, Tx. 79702

American National Petroleum Co.  
P. O. Box 42175  
Houston, Tx. 77242-2175

Estate of William D. Oliver  
C/O Pat Fisher  
P. O. Box 241  
Dallas, Tx. 75221

Jack O. McCall  
1210 First City Tower  
Midland, tx. 79701

Chas. Cline Moore  
138 Harvard  
Mill Valley, CA 94941

Eddy County, New Mexico  
March 22, 1990  
Page 2

T-21-S, R-27-E

Section 9

Petroleum Acquisitions, Inc.  
501 NW Expressway  
Oklahoma City, OK 73118

Eddy County, New Mexico

T-21-S, R-27-E

Section 4

Hamon Operating  
3900 Republic Bank Tower  
Dallas TX 75201

Petrus Oil Co  
400 West Illinois Avenue  
Independence Plaza Suite 940  
Midland TX 79701

## OIL CONSERVATION DIVISION

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Exxon Corporation

FLORENE DAVIDSON  
OC Staff Specialist

Other \_\_\_\_\_