



Chevron U.S.A. Inc.
P.O. Box 670, Hobbs, NM 88240

R. C. Anderson
Division Manager
Production Department
Hobbs Division

BEFORE EXAMINER CATANACH OIL CONSERVATION DIVISION <u>CHEVRON</u> EXHIBIT NO. <u>20</u> CASE NO. <u>10059-61</u>

July 26, 1990

SURFACE LAND OWNERS, OFFSET OPERATORS
AND WORKING INTEREST OWNERS IN THE
PROPOSED EUNICE MONUMENT SOUTH UNIT
EXPANSION AREA B

NOTICE
APPLICATION OF CHEVRON USA, INC.
FOR AUTHORIZATION TO INJECT ON
THE PROPOSED EUNICE MONUMENT
SOUTH UNIT EXPANSION AREA B AND
APPLICATION FOR POOL EXTENSION
AND CONTRACTION,
LEA COUNTY, NEW MEXICO

Dear Land Owner/Operator:

NOTICE

Chevron USA, Inc. has scheduled a hearing with the New Mexico Oil Conservation Division (OCD) on August 22, 1990, in Santa Fe, New Mexico, for the purpose of applying for authorization to inject on the proposed Eunice Monument South Unit Expansion Area B and application for Pool Extension and Contraction, Lea County, New Mexico.

Please find the attached supporting documentation for the applications:

- 1) OCD Form C-108, Application for Authorization to Inject.
- 2) Map showing proposed EMSU Expansion Area B and surrounding area.
- 3) Application of Chevron USA, Inc. for authority to expand its waterflood project for the Eunice Monument South Unit and amend order R-7766, Lea County, New Mexico.
- 4) Application of Chevron USA, Inc. for Pool Extension and Contraction, Lea County, New Mexico.

This notification requires no action; however, you have the right to file objection to said application, appear at the hearing, to make a statement to the Division, to present evidence and cross-examine witnesses either in support of or in opposition to the applications. If you have any questions or require additional information, please contact Jimmy Dolan at (505) 393-4121.

Yours very truly,



R. C. ANDERSON

JDD/pf 07240/05

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
 Application qualifies for administrative approval? yes no
- II. Operator: Chevron U.S.A. Inc.
 Address: P.O. Box 670 Hobbs, New Mexico 88240
 Contact party: J. D. Dolan Phone: 505-393-4121
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? yes no
 If yes, give the Division order number authorizing the project R-7766
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Jimmy D. Dolan Title Reservoir Engineer

Signature: *J.D. Dolan* Date: 7-9-90

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
- (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

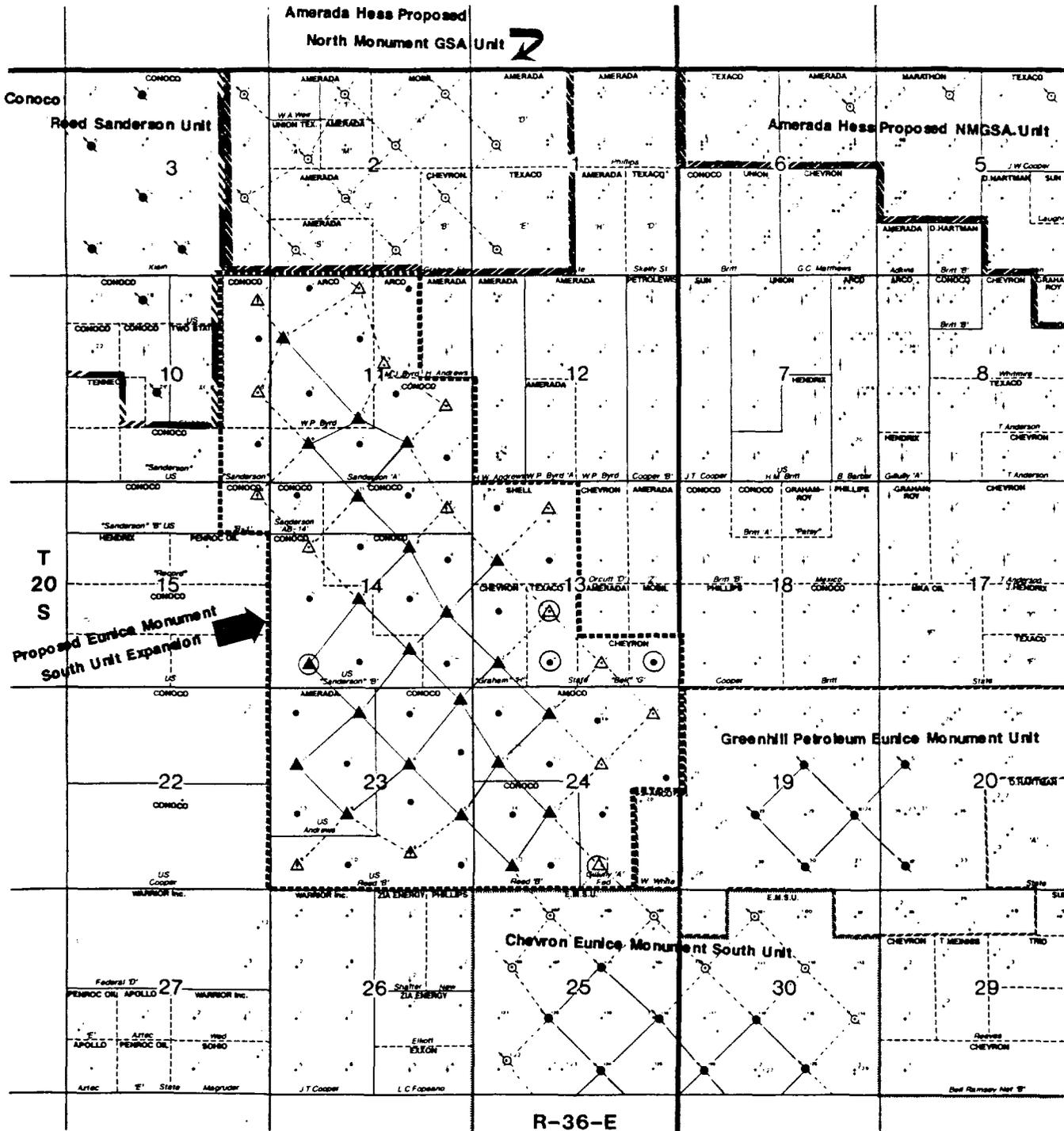
Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Eunice Monument South Unit Expansion Area B Proposed Waterflood Pattern



**Proposed Eunice Monument
South Unit Expansion**

LEGEND	
<ul style="list-style-type: none"> ○ Location or Drilling ● Oil ◆ PSA Oil ◆ TA or CI Oil ☼ Gas ☼ PSA Gas ☼ TA or CI Gas ☼ Oil & Gas ☼ PSA Oil & Gas ◇ Dry & Abr. 	<ul style="list-style-type: none"> ● - Proposed Unit Producer ▲ - Proposed Unit Injector △ - Proposed Future Lease-line Injector ⊕ - Proposed New Drilling ⊖ - Existing Injector ⊗ - Potential Future Offset Unit Injector

Chevron USA Inc.
 Central Region - Exploration, Land and Production

PROPOSED
 EUNICE MONUMENT EXPANSION
 Lea County, New Mexico

Scale: 1" = 1000
 R.A. Smith 3/8

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION COMMISSION

RECEIVED

JUL 23 1990

OIL CONSERVATION DIV.
SANTA FE

IN THE MATTER OF THE HEARING CALLED BY
THE OIL CONSERVATION COMMISSION FOR THE
PURPOSE OF CONSIDERING:

CASE NO.

APPLICATION OF CHEVRON U.S.A., INC.,
FOR POOL EXTENSION AND CONTRACTION,
LEA COUNTY, NEW MEXICO

A P P L I C A T I O N

CHEVRON U.S.A., INC., by and through its attorneys, KELLAHIN, KELLAHIN & AUBREY, hereby applies to the New Mexico Oil Conservation Division for pool extension and contraction, Lea County, New Mexico as follows:

1. The Applicant, Chevron U.S.A., Inc., as operator of the Eunice Monument South Unit, has received pool extension and contraction for the original unit area, as shown in Division Order R-7767 attached, and now seeks the same for Unit Expansion Area B with horizontal limits including that acreage identified as Unit Expansion Area B as shown on Exhibit "A" attached to this Application.

2. The Applicant seeks the upward extension of the vertical limits of the Eunice-Monument Pool to include either the top of the Grayburg formation or to a subsea datum of minus 100 feet, whichever is higher, and the concomitant amendment of the vertical limits of the Eumont Gas Pool by contracting its lower limits to either the base of the Queen formation or to a subsea datum of minus 100 feet, whichever is higher, underlying said unit.

3. The proposed amendment of pool vertical limits is necessary to permit the Applicant to successfully carry out secondary recovery operations within the full oil column underlying said unit and said Unit Expansion Area B.

4. Grant this Application will serve to prevent waste and will not violate correlative rights.

5. Within the entire area designated as the Eunice Monument South Unit Area including the Expansion Area B, as shown on Exhibit "A" attached hereto, the vertical limits of the Eumont Gas Pool are to be amended to be from the top of the Yates formation to a lower unit described as the base of the Queen formation or 100 feet below mean sea level, whichever is higher; the geologic markers having been previously found to occur at 2,747 feet and 3,666 feet, respectively, in Continental Oil Company's No. 23 Meyer B-4 Well (located at 660 feet from the South line and 1,980 feet

from the East line of Section 4, Township 21 South, Range 36 East, Lea County, New Mexico) as recorded on the Welex Acoustic Velocity Log taken on October 30, 1962, said log being measured from a kelly drive bushing elevation of 3,595 feet above sea level.

6. Within the Unit Expansion Area and within the entire area designated as the Eunice Monument South Unit Area, as shown on Exhibit "A" attached hereto, the vertical limits of the Eunice Monument Oil Pool are to be from a upper limit described as 100 feet below mean sea level or at the top of the Grayburg formation, whichever is higher, to a lower limit at the base of the San Andres formation; the geologic markers having been previously found to occur at 3,666 feet and 5,283 feet, respectively, in Continental Oil Company's No. 23 Meyer B-4 Well (located at 660 feet from the South line and 1980 feet from the East line of Section 4, Township 21 South, Range 36 East, Lea County, New Mexico) as recorded on the Welex Acoustic Velocity Log taken on October 30, 1962, said log being measured from a kelly drive bushing elevation of 3,595 feet above sea level.

7. The effective date of this amended order for Expansion of the Eunice Monument South Unit to include Area B and the changes to vertical limits included herein for said Area B shall be the same date used for the effective date of the statutory unitization of the expansion area.

8. Notice of this Application has been sent in accordance with Division notice rules as set forth on Exhibit "B" attached hereto.

Respectfully submitted,

KELLAHIN, KELLAHIN & AUBREY

By: 

W. Thomas Kellahin
Post Office Box 2265
Santa Fe, New Mexico 87504
(505) 982-4285

ATTORNEYS FOR CHEVRON U.S.A., INC.

EXHIBIT "A"

LEA COUNTY, NEW MEXICO

ORIGINAL UNIT AREA A

TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.

Section 25: All

Section 36: All

TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.

Section 30: S/2, S/2 N/2, NE/4 NW/4 and NW/4 NE/4

Section 31: All

Section 32: All

TOWNSHIP 21 SOUTH, RANGE 36 EAST N.M.P.M.

Section 2: S/2 S/2

Section 3: Lots 3, 4, 5, 6, 11, 12, 13, and 14
and S/2

Section 4 through 11: All

Section 12: W/2 SW/4

Section 13: NW/4 NW/4

Sections 14 through 18: All

Section 21: N/2 and N/2 S/2

Section 22: N/2 and N/2 S/2

EXPANSION AREA B

TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.

Section 10: E/2 E/2

Section 11: W/2, W/2 NE/4, SE/4

Section 13: W/2, S/2 SE/4

Section 14: All

Section 15: NE/4 NE/4

Section 23: All

Section 24: N/2, SW/4, W/2 SE/4

United States Dept. of Interior
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, NM 88201

ATTN: Mr. Armando Lopez

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504

ATTN: Mr. Floyd Prondo

State of New Mexico
Department of Energy & Minerals
Oil Conservation Division
District 1
P. O. Box 1980
Hobbs, NM 88240

ATTN: Mr. Jerry Sexton

Edward H. Klein Estate
P. O. Box 1502
Hobbs, New Mexico 88240

Delbert Dale & Jimmy T. Cooper
Box 421
Monument, NM 88265

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504

ATTN: Mr. Floyd Prondo

United States Dept. of Interior
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, NM 88201

ATTN: Mr. Armando Lopez

Durham, Inc.
P. O. Drawer 273
Midland, TX 79702

Texaco Producing, Inc.
P. O. Box 46555
Denver, CO. 80201-6555

Elliot Oil Co.
P. O. Box 1355
Roswell, NM 88202

Two States Oil Company
Suite 960
Thanksgiving Tower
Dallas, TX 75201

Greenhill Petroleum
16010 Barker's Point Lane
Suite 325
Houston, TX 77079

Warrior Inc.
c/o Unique Engineering
P. O. Box 5970
Hobbs, NM 88240

Meridian Oil Co.
21 Desta Drive
Midland, TX 79705

Mobil Expl. & Prod. U.S. Inc.
12450 Greenspoint Drive
Houston, TX 77060-1991

Penroc Oil
P. O. Box 5970
Hobbs, NM 88241

Phillips Petroleum Co.
P. O. Box 1967
Houston, TX 77001

Amerada Hess Corporation
P. O. Box 2040
Tulsa, OK 74102

ATTN: Mr. J. C. Hefley

Amoco Production Company
P. O. Box 3092
Houston, TX 77253

ATTN: Mr. J. C. Allen

Arco Oil and Gas Company
P. O. Box 1610
Midland, TX 79702

ATTN: Mr. D. C. Dodd
Mr. J. A. Nicholson

Chevron U.S.A., Inc.
P. O. Box 670
Hobbs, NM 88240

ATTN: Mr. J. C. Prindle

Conoco, Inc.
10 Desta Drive West
Midland, TX 79705

ATTN: Joint Interest Operations

Shell Western E&P, Inc.
P. O. Box 576
Houston, TX 77001

Attn: Mr. J. H. Smitherman

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION

RECEIVED

JUL 23 1990

OIL CONSERVATION DIV.
SANTA FE

APPLICATION OF CHEVRON U.S.A., INC.
FOR AUTHORITY TO EXPAND WATERFLOOD
PROJECT FOR THE ANISE MONUMENT
SOUTH UNIT AND AMEND ORDER R-7766,
LEA COUNTY, NEW MEXICO.

CASE NO.

A P P L I C A T I O N

CHEVRON U.S.A., INC. hereby applies to the New Mexico Oil Conservation Division for an amendment to Order R-7766 authorizing Chevron U.S.A., Inc. to expand its waterflood project for the Eunice Monument South Unit, Lea County, New Mexico, and in support of its Application states:

1. On December 27, 1984, the Commission entered Order R-7766 which authorized Gulf Oil Corporation now Chevron U.S.A., Inc. (by merger) to institute a waterflood project in its Eunice Monument South Unit as shown on Exhibit "A", a plat of the unit, and as set forth in a copy of said order which is attached hereto as Exhibit "B" and incorporated by reference herein.
2. The Applicant as operator, Chevron U.S.A., Inc., now seeks authority to expand its waterflood project in its Eunice Monument South Unit, by the injection of water

into the unitized interval which shall include the formations which extend from an upper limit of 100 feet below mean sea level or the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation in the proposed Unit Expansion Area B as shown on Exhibit "C" and as described on Exhibit "D" attached to this Application.

3. Chevron proposes to commence waterflood operations for Expansion Area B utilizing an 80-acre five spot injection pattern using the well numbering system and proposed unit injection wells as shown and identified for Expansion Area B in Exhibit "E" attached hereto.

4. Said injection wells shall be conversions of existing wells or newly drilled wells as noted on said Exhibit "F".

5. The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

6. The producing formations in the proposed project area are in an advanced stage of depletion and the area is suitable for waterflooding.

7. The operator will endeavor to take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

8. The operator proposes the injection wells or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation in any injection well, but seeks authority to increase said pressure limitation, should circumstances warrant.

9. The operator also seeks authority to institute infill development of the existing Unit Area and the Expansion Area by administrative approval of the Division Director after a proposed 40 acre-five spot, 20-acre five spot, or other systematic development program if approved by vote of the working interest owners, the authorized officer of the BLM, and the New Mexico Land Commissioner.

10. The subject Application should be approved and the project should be governed by the provisions of Rule 701 through 708 of the Commission Rules and Regulations.

11. Applicant has filed concurrent with this Application the appropriate Forms C-108 and consolidated attachments for each of the new injection wells.

12. Applicant has sent notice to the offset operators and surface owners as required by Division rules as shown on Exhibit "G" attached hereto.

Respectfully submitted,

KELLAHIN, KELLAHIN & AUBREY

By: 

W. THOMAS KELLAHIN
Post Office Box 2268
Santa Fe, New Mexico 87504
(505) 988-4285

ATTORNEYS FOR CHEVRON U.S.A., INC.

R 36 E | R 37 E

UNIT AREA "B"

T
20
S

UNIT AREA "B"

	ACREAGE	PERCENTAGE
FEDERAL LANDS	2.280	76.00
STATE LANDS	400	13.33
PATENTED LANDS	320	10.67
TOTAL	3.000	100.00

UNIT AREA B OUTLINE (90) TRACT NUMBER

UNIT AREA "A"

	ACREAGE	PERCENTAGE
FEDERAL LANDS	2,734.76	19.27
STATE LANDS	8,274.80	58.32
PATENTED LANDS	3,180.28	22.41
TOTAL	14,189.84	100.00

UNIT AREA A OUTLINE (103) TRACT NUMBER

UNIT AREAS "A" & "B" OF THE EUNICE MONUMENT SOUTH UNIT

	ACREAGE	PERCENTAGE
FEDERAL LANDS	5,014.76	29.17
STATE LANDS	8,674.80	50.47
PATENTED LANDS	3,500.28	20.36
TOTAL	17,189.84	100.00

UNIT BOUNDARY (90) TRACT NUMBER



NOTE: UNLESS OTHERWISE INDICATED THE VARIOUS SECTIONS ON THIS PLAT CONTAIN 640.00 ACRES

R 37 E

UNIT EFFECTIVE 2-1-85
 UNIT EXPANSION AREA "B" ADDED
 EFFECTIVE 1990

REV. 10-4-84
 REV. 2-1-85
 REV. 3-20-90

R 36 E

R 35 E

T
21
S

UNIT AREA "A"

R 36 E

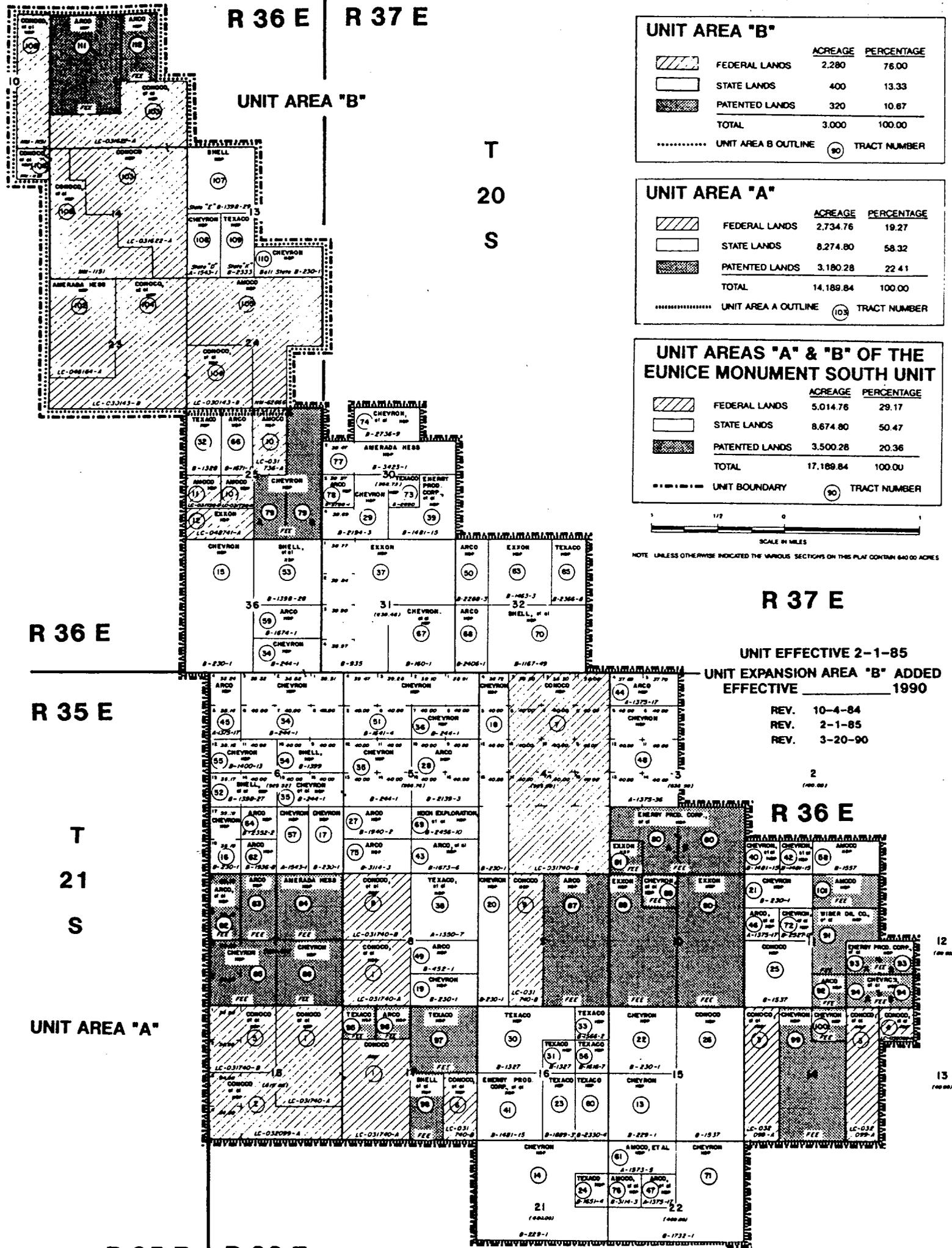
R 35 E | R 36 E

EXHIBIT "A"

**EUNICE MONUMENT SOUTH
 UNIT AREA**

LEA COUNTY, NEW MEXICO

CHEVRON U.S.A. INC.
 HOUSTON, TEXAS



STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION FOR THE PURPOSE OF
CONSIDERING:

CASE No. 8398
Order No. R-7766

APPLICATION OF GULF OIL CORPORATION
FOR A WATERFLOOD PROJECT, LEA
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on for hearing at 9:00 A.M. on November 7, 1984, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 27th day of December, 1984, the Commission, a quorum having been present, having considered the testimony and the record and being otherwise fully advised in the premises,

FINDS THAT:

- (1) Due public notice has been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) The applicant, Gulf Oil Corporation, in Commission Case 8398, seeks authority to institute a waterflood project in its Eunice Monument South Unit, by the injection of water into the unitized interval which shall include the formations which extend from an upper limit of 100 feet below mean sea level or the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation in the proposed unitized area, all as shown on Exhibit "A" attached to this order.
- (3) The subject Commission Case 8398 was consolidated for hearing with Commission Cases 8397 and 8399.
- (4) Gulf proposes to utilize an 80-acre five spot injection pattern using a well number system and proposed

Unit injection wells all as shown and identified on Exhibit "B" attached hereto.

(5) Said injection wells shall be conversions of existing wells or newly drilled wells as noted on said Exhibit "B".

(6) The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(7) The producing formations in the proposed project area are in an advanced stage of depletion and the area is suitable for waterflooding.

(8) There are five wells within or adjacent to the proposed project which may not have been completed or plugged in a manner which will assure that their wellbores will not serve as a conduit for movement of injected fluid out of the injection interval.

(9) The five possible problem wells are identified and described on Exhibit "C" attached hereto.

(10) Prior to instituting injection within one-half mile of any of the five possible "problem wells" Gulf shall first contact the Oil Conservation Division's District Supervisor at Hobbs to develop a plan acceptable to the Director of said Division for repairing or replugging such wells, for monitoring for determination of fluid movement from the injected interval, or for the drilling of replacement producing wells to lower reservoir pressure and fluid levels in order to protect neighboring properties and to protect other oil or gas zones or fresh water.

(11) The operator should otherwise take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(12) The injection wells or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation in any injection well, but the Division Director should have authority to increase said pressure limitation, should circumstances warrant.

(13) The subject application should be approved and the project should be governed by the provisions of Rule 701 through 708 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Gulf Oil Corporation, is hereby authorized to institute a waterflood project in the Eunice Monument South Unit Area for the acreage described on Exhibit "A" attached hereto and made a part hereof, by the injection of water into the unitized interval which shall include the formations which extend from an upper limit described as 100 feet below mean sea level or at the top of the Grayburg formation, whichever is higher, to a lower limit being the base of the San Andres formation said geologic markers having been as found to occur at 3,666 feet to 5,283 feet, respectively, in the Continental Oil Company's Meyer B-4 Well No. 23 located 660 feet from the South line and 1980 feet from the East line of Section 4, Township 21 South, Range 36 East, Lea County, New Mexico.

(2) Applicant, Gulf Oil Corporation, is hereby authorized to utilize for injection purposes the wells identified and described on Exhibit "B" attached hereto and made a part hereof.

(3) The injection wells herein authorized and/or the injection pressurization system shall be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation, provided however, the Division Director may authorize a higher surface injection pressure upon satisfactory showing that such pressure will not result in fracturing of the confining strata.

(4) Injection into each of said wells shall be through plastic or cement-lined tubing, set in a packer which shall be located as near as practicable to the uppermost perforations, or, in the case of open-hole completions, as near as practicable to the casing-shoe; that the casing-tubing annulus shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention attracting leak detection device.

(5) Prior to injection into any well located within one-half mile of any of the five wells listed on Exhibit "C" attached to this order, the applicant shall consult with the supervisor of the Oil Conservation Division's district office at Hobbs to develop a plan acceptable to

the Director of said Division, for the repairing, plugging, or replugging of said wells or for the monitoring for determination of fluid movement from the injected interval or for the drilling of producing wells to lower reservoir pressure and fluid levels in the vicinity of said wells in order to protect neighboring properties and to protect other oil or gas zones or fresh water.

(6) The operator shall immediately notify the supervisor of the Division's Hobbs District Office of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area, and shall take such timely steps as may be necessary or required to correct such failure or leakage.

(7) The authorized subject waterflood project is hereby designated the Eunice Monument South Unit Waterflood Project and shall be governed by the provisions of Rules 701 through 708 of the Commission Rules and Regulations.

(8) Monthly progress reports of the waterflood projects herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(9) Jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

-5-

Case No. 8398
Order No. R-7766

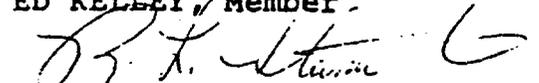
DONE at Santa Fe, New Mexico, on the day and year
hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

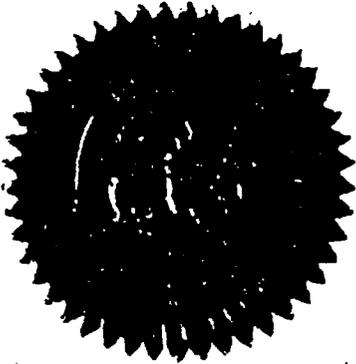
JIM BACA, Member



ED KELLEY, Member



R. L. STAMETS, Chairman and
Secretary



S E A L

LEA COUNTY, NEW MEXICO

TOWNSHIP 20 SOUTH, RANGE 36 EAST, NMPM

Section 25: All

Section 36: All

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM

Section 30: S/2, S/2 N/2, NE/4 NW/4 and NW/4 NE/4

Section 31: All

Section 32: All

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM

Section 2: S/2 S/2

Section 3: Lots 3, 4, 5, 6, 11, 12, 13, and 14
and S/2

Sections 4 through 11: All

Section 12: W/2 SW/4

Section 13: NW/4 NW/4

Sections 14 through 18: All

Section 21: N/2 and N/2 S/2

Section 22: N/2 and N/2 S/2

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "A"

LEA COUNTY, NEW MEXICO

179	D	3	21	36
181	B	4	21	36
183	D	4	21	36
185	B	5	21	36
187	D	5	21	36
189	B	6	21	36
191	D	6	21	36
193	F	6	21	36
195	H	6	21	36
197	F	5	21	36
199	H	5	21	36
201	F	4	21	36
203	H	4	21	36
205	F	3	21	36
207	L	3	21	36
209	J	4	21	36
211	L	4	21	36
213	J	5	21	36
215	L	5	21	36
217	J	6	21	36
219	L	6	21	36
221	N	6	21	36
223	P	6	21	36
225	N	5	21	36
227	P	5	21	36
229	N	4	21	36
231	P	4	21	36
233	N	3	21	36
235	R	3	21	36
237	T	3	21	36
239	R	4	21	36
241	T	4	21	36
243	R	5	21	36
245	T	5	21	36
247	R	6	21	36

N

N

N

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "B"

LEA COUNTY, NEW MEXICO

UNIT WELL NO.	UNIT LETTER	SECTION-TOWNSHIP-RANGE		NEW WELL
		SOUTH	EAST	
101	C	30	20 37	N
102	A	25	20 36	
104	C	25	20 36	
106	E	25	20 36	
108	G	25	20 36	
110	E	30	20 37	
112	G	30	20 37	
114	I	30	20 37	
116	K	30	20 37	
118	I	25	20 36	
120	K	25	20 36	
122	M	25	20 36	
124	O	25	20 36	
126	M	30	20 37	
128	O	30	20 37	
130	A	32	20 37	N
132	C	32	20 37	
134	A	31	20 37	
136	C	31	20 37	
138	A	36	20 36	
140	C	36	20 36	
142	E	36	20 36	
144	G	36	20 36	
146	E	31	20 37	
148	G	31	20 37	
150	E	32	20 37	
152	G	32	20 37	
154	I	32	20 37	N
156	K	32	20 37	
158	I	31	20 37	
160	K	31	20 37	
162	I	36	20 36	
164	K	36	20 36	
166	M	36	20 36	
168	O	36	20 36	
170	M	31	20 37	
172	O	31	20 37	
174	M	32	20 37	
176	O	32	20 37	

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "B"

LEA COUNTY, NEW MEXICO

249	T	6	21	36
251	V	6	21	36
253	X	6	21	36
255	V	5	21	36
257	X	5	21	36
259	V	4	21	36
261	X	4	21	36
263	V	3	21	36
265	X	3	21	36
267	V	2	21	36
269	X	2	21	36
271	B	11	21	36
273	D	11	21	36
275	B	10	21	36
277	D	10	21	36
279	B	9	21	36
281	D	9	21	36
283	B	8	21	36
285	D	8	21	36
287	B	7	21	36
289	D	7	21	36
291	F	7	21	36
293	H	7	21	36
295	F	8	21	36
297	H	8	21	36
299	F	9	21	36
301	H	9	21	36
303	F	10	21	36
305	H	10	21	36
307	F	11	21	36
309	H	11	21	36
310	L	12	21	36
312	J	11	21	36
314	L	11	21	36
316	J	10	21	36
318	L	10	21	36
320	J	9	21	36
322	L	9	21	36
324	J	8	21	36

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "B"

LEA COUNTY, NEW MEXICO

326	L	8	21	36
328	J	7	21	36
330	L	7	21	36
332	N	7	21	36
334	P	7	21	36
336	N	8	21	36
338	P	8	21	36
340	N	9	21	36
342	P	9	21	36
344	N	10	21	36
346	P	10	21	36
348	N	11	21	36
350	P	11	21	36
352	D	13	21	36
354	B	14	21	36
356	D	14	21	36
358	B	15	21	36
360	D	15	21	36
362	B	16	21	36
364	D	16	21	36
366	B	17	21	36
368	D	17	21	36
370	B	18	21	36
372	D	18	21	36
374	F	18	21	36
376	H	18	21	36
378	F	17	21	36
380	H	17	21	36
382	F	16	21	36
384	H	16	21	36
386	F	15	21	36
388	H	15	21	36
390	F	14	21	36
392	H	14	21	36
394	J	14	21	36
396	L	14	21	36
398	J	15	21	36
400	L	15	21	36
402	J	16	21	36
404	L	16	21	36

N

CASE NO. 8398
ORDER NO. R-7766
EXHIBIT "B"

LEA COUNTY, NEW MEXICO

406	J	17	21	36
408	L	17	21	36
410	J	18	21	36
412	L	18	21	36
414	N	18	21	36
416	P	18	21	36
418	N	17	21	36
420	P	17	21	36
422	N	16	21	36
424	P	16	21	36
426	N	15	21	36
428	P	15	21	36
430	N	14	21	36
432	P	14	21	36
434	B	22	21	36
436	D	22	21	36
438	B	21	21	36
440	D	21	21	36
442	F	21	21	36
444	H	21	21	36
446	F	22	21	36
448	H	22	21	36
450	J	22	21	36
454	J	21	21	36
456	L	21	21	36
452	L	22	21	36

CASE 8398
ORDER NO. R-8398
EXHIBIT "B"

- (1) Amoco Production Co. State "C" Tr. 11 Well No. 3
located 1980 feet from the South line and 1980 feet from
the East line of Section 2, Township 21 South, Range 36
East;
- (2) Amoco Production Co. State "C" Tr. 11 Well No. 4
located 3300 feet from the South line and 1980 feet from
the East line of Section 2, Township 21 South, Range 36
East;
- (3) Texas Crude Oil Co. Kincheloe 2 State Well No. 1
located 1980 feet from the South line and 1980 feet from
the West line of Section 2, Township 21 South, Range 36
East;
- (4) El Paso Natural Gas Co. Coleman Well No. 1
located 2310 feet from the South line and 2310 feet from
the East line of Section 17, Township 21 South, Range 36
East;
- (5) Texaco Inc. New Mexico "H" NCT-1 Well No. 28, a dry
hole, located 990 feet from the South line and 660
feet from the East line of Section 31, Township 20 South,
Range 37 East;

all in Lea County, New Mexico.

CASE NO. 8398
Order No. R-7766
EXHIBIT "C"

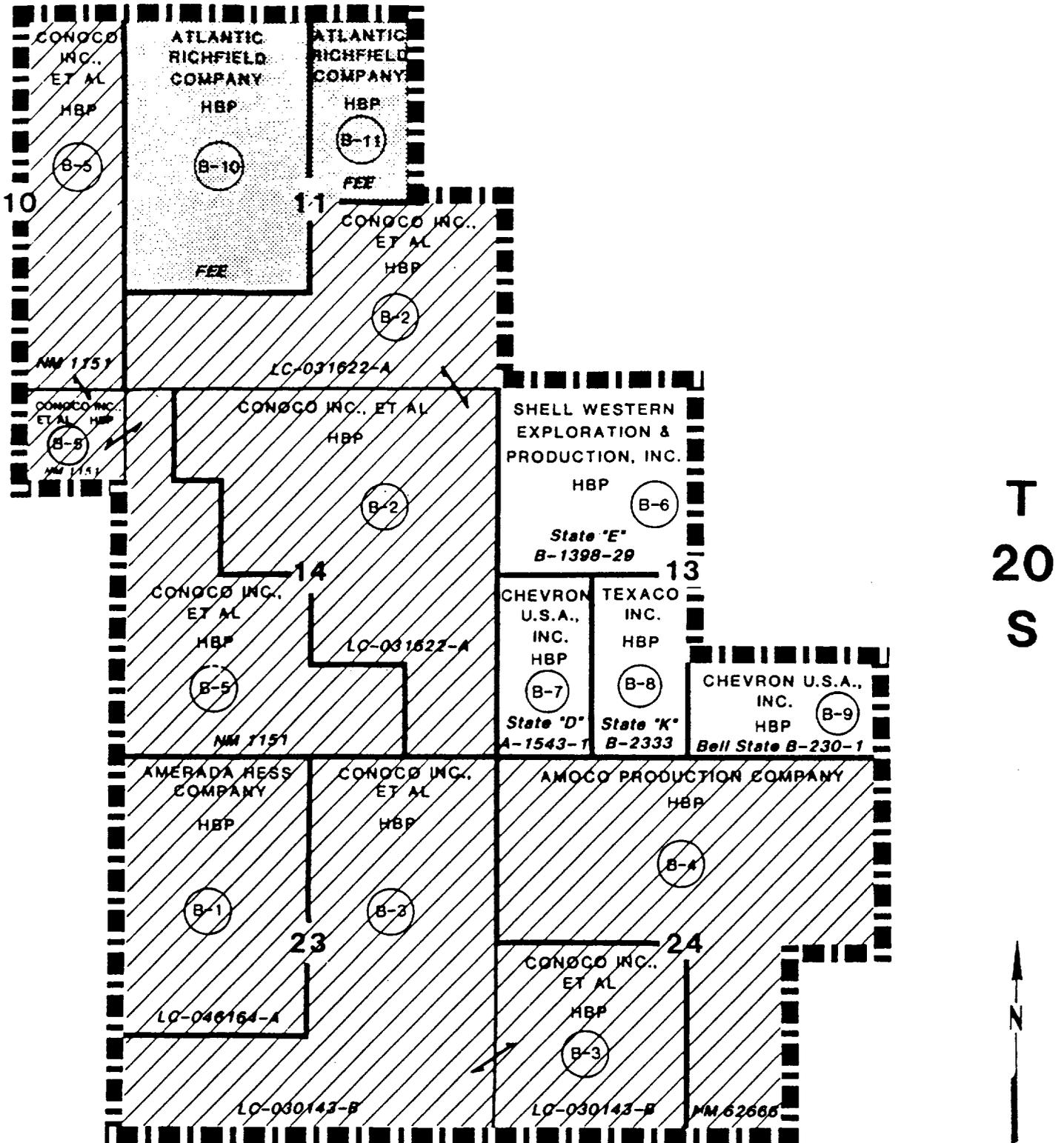


EXHIBIT "C"

EUNICE MONUMENT SOUTH UNIT EXPANSION AREA "B"

LEA CO., NEW MEXICO
UNIT EFFECTIVE 2-1-85
EXPANDED/REV. - -90

CHEVRON U.S.A. INC.
HOUSTON, TEXAS

	ACREAGE	PERCENTAGE
	FEDERAL LANDS	2280 76.00
	STATE LANDS	400 13.33
	PATENTED LANDS	320 10.67
	TOTAL	3000 100.00

 UNIT OUTLINE
  TRACT NUMBER



NOTE: UNLESS OTHERWISE INDICATED, THE VARIOUS SECTIONS ON THIS PLAT CONTAIN 640.00 ACRES

EXHIBIT "D"

LEA COUNTY, NEW MEXICO

ORIGINAL UNIT AREA A

TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.

Section 25: All

Section 36: All

TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.

Section 30: S/2, S/2 N/2, NE/4 NW/4 and NW/4 NE/4

Section 31: All

Section 32: All

TOWNSHIP 21 SOUTH, RANGE 36 EAST N.M.P.M.

Section 2: S/2 S/2

Section 3: Lots 3, 4, 5, 6, 11, 12, 13, and 14
and S/2

Section 4 through 11: All

Section 12: W/2 SW/4

Section 13: NW/4 NW/4

Sections 14 through 18: All

Section 21: N/2 and N/2 S/2

Section 22: N/2 and N/2 S/2

EXPANSION AREA B

TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.

Section 10: E/2 E/2

Section 11: W/2, W/2 NE/4, SE/4

Section 13: W/2, S/2 SE/4

Section 14: All

Section 15: NE/4 NE/4

Section 23: All

Section 24: N/2, SW/4, W/2 SE/4

LEA COUNTY, NEW MEXICO

Case XXXX
Order No. R - XXXX

EXHIBIT "E"

Unit Expansion Area B

Unit Well No.	Unit Letter	Section	Township - South	Range East	New Well
850	B	11	20	36	
851	C	11	20	36	
852	D	11	20	36	
853	A	10	20	36	
854	H	10	20	36	
855	E	11	20	36	
856	F	11	20	36	
857	G	11	20	36	
858	I	11	20	36	
859	J	11	20	36	
860	K	11	20	36	
861	L	11	20	36	
862	I	10	20	36	
863	P	10	20	36	
864	M	11	20	36	
865	N	11	20	36	
866	O	11	20	36	
867	P	11	20	36	
868	C	13	20	36	
869	D	13	20	36	
870	A	14	20	36	
871	B	14	20	36	
872	C	14	20	36	
873	D	14	20	36	
874	A	15	20	36	
875	E	14	20	36	
876	F	14	20	36	
877	G	14	20	36	
878	H	14	20	36	
879	E	13	20	36	
880	F	13	20	36	
881	K	13	20	36	N
882	L	13	20	36	
883	I	14	20	36	
884	J	14	20	36	
885	K	14	20	36	
886	L	14	20	36	
887	M	14	20	36	N
888	N	14	20	36	
889	O	14	20	36	

Unit Expansion Area B - Exhibit "B" continued

890	P	14	20	36	
891	M	13	20	36	
892	N	13	20	36	N
893	O	13	20	36	
894	P	13	20	36	N
895	A	24	20	36	
896	B	24	20	36	
897	C	24	20	36	
898	D	24	20	36	
899	A	23	20	36	
900	B	23	20	36	
901	C	23	20	36	
902	D	23	20	36	
903	E	23	20	36	
904	F	23	20	36	
905	G	23	20	36	
906	H	23	20	36	
907	E	24	20	36	
908	F	24	20	36	
909	G	24	20	36	
910	H	24	20	36	
911	J	24	20	36	
912	K	24	20	36	
913	L	24	20	36	
914	I	23	20	36	
915	J	23	20	36	
916	K	23	20	36	
917	L	23	20	36	
918	M	23	20	36	
919	N	23	20	36	
920	O	23	20	36	
921	P	23	20	36	
922	M	24	20	36	
923	N	24	20	36	
924	O	24	20	36	N

PROPOSED EUNICE MONUMENT SOUTH UNIT EXPANSION AREA B
 PROPOSED INJECTION WELLS

LOCATION DATA

PROPOSED WELLNO	LEASE NAME	WELLNO	FOOTAGE	UNIT/SEC./T/R	OPERATOR	FIELD/POOL
ENSU 851 WIC	:WILLIAM P. BYRD	: 1	: 330' FWL & 2310' FWL	C-11-20S-36E	:ARCO OIL & GAS	:EUNICE MONUMENT G/SA:
ENSU 853 WIC	:SANDERSON 'B-1'	: 1	: 660' FWL & 330' FEL	A-10-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 855 WIC	:BYRD GAS COM	: 5	: 1650' FWL & 330' FWL	E-11-20S-36E	:ARCO OIL & GAS	:EUMONT Y,7R'S,Q(GAS):
ENSU 857 WIC	:MARY J. BYRD	: 3	: 2310' FWL & 2310' FEL	G-11-20S-36E	:ARCO OIL & GAS	:EUNICE MONUMENT G/SA:
ENSU 858 WIC	:SANDERSON 'A'	: 1	: 1980' FSL & 660' FEL	I-11-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 860 WIC	:WILLIAM P. BYRD	: 3	: 1650' FSL & 2310' FWL	K-11-20S-36E	:ARCO OIL & GAS	:EUNICE MONUMENT G/SA:
ENSU 862 WIC	:SANDERSON 'B-1'	: 3	: 2310' FSL & 330' FEL	I-10-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 864 WIC	:SANDERSON 'A'	: 6	: 990' FSL & 990' FWL	M-11-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 866 WIC	:SANDERSON 'A'	: 4	: 990' FSL & 1650' FEL	O-11-20S-36E	:CONOCO, INC.	:EUN.MON G/SA,EUMONT :
ENSU 868 WIC	:STATE 'E'	: 1	: 660' FWL & 1980' FWL	C-13-20S-36E	:SHELL WESTERN	:EUNICE MONUMENT G/SA:
ENSU 870 WIC	:SANDERSON 'A'	: 7	: 660' FWL & 660' FEL	A-14-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 872 WIC	:SANDERSON 'A'	: 11	: 330' FWL & 2310' FWL	C-14-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 874 WIC	:SANDERSON 'B-1'	: 8	: 330' FWL & 330' FEL	A-15-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 875 WIC	:SANDERSON 'B14'	: 4	: 1650' FWL & 990' FWL	E-14-20S-36E	:CONOCO, INC.	:EUMONT Y,7R'S,Q(OIL):
ENSU 877 WIC	:SANDERSON 'A'	: 13	: 1650' FWL & 1650' FEL	G-14-20S-36E	:CONOCO, INC.	:EUN.MON./EUMONT GAS):
ENSU 879 WIC	:STATE 'E'	: 4	: 1980' FWL & 660' FWL	E-13-20S-36E	:SHELL WESTERN	:EUNICE MONUMENT G/SA:
ENSU 883 WIC	:SANDERSON 'A'	: 10	: 1980' FSL & 660' FEL	I-14-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 885 WIC	:SANDERSON 'B14'	: 2	: 2310' FSL & 2310' FWL	K-14-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 889 WIC	:SANDERSON 'B14'	: 1	: 990' FSL & 1650' FEL	O-14-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 891 WIC	:GRAHAM STATE NCT-H	: 2	: 660' FSL & 660' FWL	M-13-20S-36E	:CHEVRON USA	:EUNICE MONUMENT G/SA:
ENSU 893 WIC	:R. R. BELL NCT-G	: 2	: 660' FSL & 1980' FEL	O-13-20S-36E	:CHEVRON USA	:EUNICE MONUMENT G/SA:
ENSU 895 WIC	:GILLULLY 'A' FEDL.	: 2	: 660' FWL & 660' FEL	A-24-20S-36E	:AMOCO PROD. CO.	:EUNICE MONUMENT G/SA:
ENSU 897 WIC	:GILLULLY 'A' FEDL.	: 9	: 660' FWL & 1980' FWL	C-24-20S-36E	:AMOCO PROD. CO.	:EUNICE MONUMENT G/SA:
ENSU 899 WIC	:REED 'B'	: 1	: 330' FWL & 330' FEL	A-23-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:
ENSU 901 WIC	:H. W. ANDREWS	: 7	: 660' FWL & 2310' FWL	C-23-20S-36E	:AMERADA HESS	:EUMONT Y,7R'S,Q :
ENSU 903 WIC	:H. W. ANDREWS	: 10	: 1980' FWL & 660' FWL	E-23-20S-36E	:AMERADA HESS	:EUMONT Y,7R'S,Q :
ENSU 905 WIC	:REED 'B'	: 8	: 1980' FWL & 1650' FEL	G-23-20S-36E	:CONOCO, INC.	:EUMONT Y,7R'S,Q :
ENSU 907 WIC	:GILLULLY 'A' FEDL.	: 14	: 1980' FWL & 660' FWL	E-24-20S-36E	:AMOCO PROD. CO.	:EUNICE MONUMENT G/SA:
ENSU 909 WIC	:GILLULLY 'A' FEDL.	: 11	: 1980' FWL & 1980' FEL	G-24-20S-36E	:AMOCO PROD. CO.	:EUNICE MONUMENT G/SA:
ENSU 912 WIC	:REED 'B'	: 12	: 1980' FSL & 1980' FWL	K-24-20S-36E	:CONOCO, INC.	:EUN.MON/EUMONT GAS :
ENSU 914 WIC	:REED 'B'	: 5	: 1980' FSL & 330' FEL	I-23-20S-36E	:CONOCO, INC.	:EUMONT Y,7R'S,Q :
ENSU 916 WIC	:H. W. ANDREWS	: 9	: 1980' FSL & 1980' FWL	K-23-20S-36E	:AMERADA HESS	:EUMONT Y,7R'S,Q :
ENSU 918 WIC	:REED 'B'	: 9	: 660' FSL & 660' FWL	M-23-20S-36E	:CONOCO, INC.	:EUMONT Y,7R'S,Q :
ENSU 920 WIC	:REED 'B'	: 6	: 990' FSL & 1650' FEL	O-23-20S-36E	:CONOCO, INC.	:EUMONT Y,7R'S,Q :
ENSU 922 WIC	:REED 'B'	: 13	: 660' FSL & 990' FWL	M-24-20S-36E	:CONOCO, INC.	:EUNICE MONUMENT G/SA:

PROPOSED NEW INJECTION WELLS

PROPOSED WELLNO	TENTATIVE LOCATION
ENSU 881 WI	1935' FSL & 705' FWL SEC.13 T20S R36E (UNIT K) LEA COUNTY, NEW MEXICO
ENSU 887 WI	660' FSL & 660' FWL SEC.14 T20S R36E (UNIT M) LEA COUNTY, NEW MEXICO
ENSU 924 WI	705' FSL & 2025' FEL SEC.24 T20S R36E (UNIT O) LEA COUNTY, NEW MEXICO

Edward H. Klein Estate
P. O. Box 1502
Hobbs, New Mexico 88240

Delbert Dale & Jimmy T. Cooper
Box 421
Monument, NM 88265

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504

ATTN: Mr. Floyd Prondo

United States Dept. of Interior
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, NM 88201

ATTN: Mr. Armando Lopez

United States Dept. of Interior
Bureau of Land Management
Roswell District Office
P. O. Box 1397
Roswell, NM 88201

ATTN: Mr. Armando Lopez

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504

ATTN: Mr. Floyd Prondo

State of New Mexico
Department of Energy & Minerals
Oil Conservation Division
District 1
P. O. Box 1980
Hobbs, NM 88240

ATTN: Mr. Jerry Sexton

Durham, Inc.
P. O. Drawer 273
Midland, TX 79702

Texaco Producing, Inc.
P. O. Box 46555
Denver, CO. 80201-6555

Elliot Oil Co.
P. O. Box 1355
Roswell, NM 88202

Two States Oil Company
Suite 960
Thanksgiving Tower
Dallas, TX 75201

Greenhill Petroleum
16010 Barker's Point Lane
Suite 325
Houston, TX 77079

Warrior Inc.
c/o Unique Engineering
P. O. Box 5970
Hobbs, NM 88240

Meridian Oil Co.
21 Desta Drive
Midland, TX 79705

Mobil Expl. & Prod. U.S. Inc.
12450 Greenspoint Drive
Houston, TX 77060-1991

Penroc Oil
P. O. Box 5970
Hobbs, NM 88241

Phillips Petroleum Co.
P. O. Box 1967
Houston, TX 77001

Amerada Hess Corporation
P. O. Box 2040
Tulsa, OK 74102

ATTN: Mr. J. C. Hefley

Amoco Production Company
P. O. Box 3092
Houston, TX 77253

ATTN: Mr. J. C. Allen

Arco Oil and Gas Company
P. O. Box 1610
Midland, TX 79702

ATTN: Mr. D. C. Dodd
Mr. J. A. Nicholson

Chevron U.S.A., Inc.
P. O. Box 670
Hobbs, NM 88240

ATTN: Mr. J. C. Prindle

Conoco, Inc.
10 Desta Drive West
Midland, TX 79705

ATTN: Joint Interest Operations

Shell Western E&P, Inc.
P. O. Box 576
Houston, TX 77001

Attn: Mr. J. H. Smitherman

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to:
U.S. Dept. of Interior
Bureau of Land Management
Roswell Dist. Office
P.O. Box 1397
Roswell, N.M. 88201
ATTN: MR. ARMANDO LOPEZ

4. Article Number
P 334 582 851

Type of Service:
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X *[Signature]*

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to:
STATE OF NEW MEXICO
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504
ATTN: MR. FLOYD PRONDO

4. Article Number
P 334 582 852

Type of Service:
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to:
STATE of New Mexico -
DEPT. of Energy & Minerals
Oil Conservation Division - Dist 1
P.O. Box 1980
Hobbs, N.M. 88240
ATTN: MR. JERRY SEXTON

4. Article Number
P 334 582 853

Type of Service:
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X

7. Date of Delivery
7-30-90

8. Addressee's Address (ONLY if requested and fee paid)

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Edward H. Klein ESTATE P.O. Box 1502 Hobbs, N.M. 88240</i>	4. Article Number <i>P 334 582 854</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>X</i> <i>Alta Joyce L. Klein</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i>	
7. Date of Delivery <i>8-9-90</i>	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Delbert Dale & Jimmy T. Cooper P.O. Box 421 Monument, N.M. 88265</i>	4. Article Number <i>P 334 582 855</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>X</i> <i>Delbert Dale Cooper</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i>	
7. Date of Delivery <i>8-1-90</i>	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed*to: <i>DURHAM, INC. P.O. Box 273 Midland, Tx. 79702</i>	4. Article Number <i>P 334 582 856</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i> <i>K. L. Jones</i>	
7. Date of Delivery <i>8-30-90</i>	

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Elliot Oil Co. P.O. Box 1355 Roswell, N.M. 88202</i>	4. Article Number <i>P 334 582 857</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X Marty Fry</i>	
7. Date of Delivery	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>GREENHILL PETROLEUM 16010 BARKER'S Point LANE Suite 325 Houston, Tx. 77079</i>	4. Article Number <i>P 334 582 858</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>X [Signature]</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i>	
7. Date of Delivery <i>7/30/90</i>	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Meridian Oil Co. 21 DESTA Drive Midland, Tx. 79705</i>	4. Article Number <i>P 334 582 859</i>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee <i>X [Signature]</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i>	
7. Date of Delivery <i>7-30-90</i>	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mobil Expl. & Prod. U.S., Inc. 12450 Greenspoint Drive Houston, Tx. 77060-1991	4. Article Number P 334 582 860 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid) 0600 U.S. POSTAL SERVICE NORTH STAR JUL 31 1990 U.S. PO
6. Signature - Agent X <i>John Faabel</i>	
7. Date of Delivery 7-31-90	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: PENROC Oil P.O. Box 5970 Hobbs, N.M. 88241	4. Article Number P 334 582 861 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X <i>CHALLENGE</i>	8. Addressee's Address (ONLY if requested and fee paid) 0728 HOBBS, N.M. 88241 JUL 28 1990
6. Signature - Agent X <i>THE</i>	
7. Date of Delivery WF MEET	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
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1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Phillips Petroleum Co. P.O. Box 1967 Houston, Tx. 77001	4. Article Number P 334 582 862 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>C. Kettle</i>	
7. Date of Delivery JUL 30 1990	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>TEXACO Producing Inc. P.O. Box 46555 Denver, CO. 80201-6555</i>	4. Article Number <i>P 334 582 863</i> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee <input checked="" type="checkbox"/>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent <input checked="" type="checkbox"/> <i>[Signature]</i>	
7. Date of Delivery	

PS Form 3811, Apr. 1989

U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

PS Form 3800, June 1985

U.S.G.P.O. 1989-234-555

Postmark or Date 	Return Receipt showing to whom and Date Delivered 	Return Receipt showing Date and Address of Postmaster 	Restricted Delivery Fee 	Special Delivery Fee 	Certified Fee 	Postage 	P.O., State and ZIP Code <i>Dallas, Tx. 75201</i>	Street and No. <i>Suite 960 Thanksgiving</i> <i>Two States Oil Co.</i>
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RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)
 P 334 582 864

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>WARRIOR Inc. c/o Unique Engineering P.O. Box 5970 Hobbs, N.M. 88240</i>	4. Article Number <i>P 334 582 865</i> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee <input checked="" type="checkbox"/> <i>[Signature]</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent <input checked="" type="checkbox"/>	
7. Date of Delivery	

PS Form 3811, Apr. 1989

U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Amerada Hess Corporation P.O. Box 2040 Tulsa, OK 74102 Attn: Mr. J.C. Hefley</i>	4. Article Number <i>P 334 582 866</i>
5. Signature - Addressee <i>X</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent <i>X Carlos Lamsant</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery <i>JUL 30 1990</i>	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989

*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Amoco Production Company P.O. Box 3092 Houston, Tx. 77253 Attn: Mr. J.C. Allen</i>	4. Article Number <i>P 334 582 867</i>
5. Signature - Addressee <i>X</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent <i>X Bill Laird #88</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery <i>JUL 31 1990</i>	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989

*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>ARCO Oil & Gas Company P.O. Box 1610 Midland, Tx. 79702 Attn: Mr. D.C. Dodd Mr. J.A. Nicholson</i>	4. Article Number <i>P 334 582 868</i>
5. Signature - Addressee <i>X</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent <i>X</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery <i>JUL 30 1990</i>	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989

*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

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1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Conoco Inc. 10 DESTA Drive West Midland, Tx. 79705</i> <i>ATTN: Joint Interest Operations</i>	4. Article Number <i>P 334 582 869</i> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X Anita Gonzales</i>	
7. Date of Delivery <i>7-30-90</i>	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

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 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Shell Western E & P, Inc. P.O. Box 576 Houston, Tx. 77001</i> <i>ATTN: Mr. J. H. Smitherman</i>	4. Article Number <i>P 334 582 870</i> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i>	
7. Date of Delivery <i>JUL 30 1990</i>	

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT