



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

July 12, 1993

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

ANITA LOCKWOOD
CABINET SECRETARY

Marathon Oil Company
P.O. Box 552
Midland, TX 79702-0552

Attention: T. N. Tipton

Administrative Order DD-84(NSP)

Dear Mr. Tipton:

Under the provisions of General Rule 111 (c), (d) and (e), Marathon Oil Company made application to the New Mexico Oil Conservation Division on June 11, 1993, for authorization to directionally drill its proposed Warn State A/C-2 Well No. 22, Lea County, New Mexico.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Marathon Oil Company, is hereby authorized to directionally drill its Warn State A/C-2 Well No. 22, the surface location of which shall be 1219 feet from the North line and 890 feet from the West line (Unit D) of Section 6, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico, by kicking off from the vertical at a depth of approximately 6000 feet, and drilling in such a manner as to bottom in the Undesignated Vacuum-Drinkard Pool at a standard oil well location within Lot 4 (NW/4 NW/4 equivalent) of said Section 6 forming a non-standard 37.43-acre, more or less, oil spacing and proration unit for said pool.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations into said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED HOWEVER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Hobbs district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.

(3) A new form C-102 showing the surface and actual bottomhole locations shall be filed with the Hobbs District Office.

(4) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

William J. Lemay

WILLIAM J. LEMAY
Director

S E A L

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
NM State Land Office - Santa Fe



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Rec. 6/11/93
Release 7/1/93
6/30/93
DRUG FREE

BRUCE KING
GOVERNOR
ANITA LOCKWOOD
CABINET SECRETARY

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

June 2, 1993

Marathon Oil Company
P.O. Box 552
Midland, TX 79702-0552

Attention: T. N. Tipton

Administrative Order DD-~~82~~ 84 (LNSP)

Dear Mr. Tipton:

June 11

Under the provisions of General Rule 111 (c), (d) and (e), Marathon Oil Company made application to the New Mexico Oil Conservation Division on ~~April 27~~, 1993, for authorization to directionally drill its proposed Warn State A/C-2 Well No. ~~21~~, Lea County, New Mexico.

22

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Marathon Oil Company, is hereby authorized to directionally drill its Warn State A/C-2 Well No. ~~21~~, the surface location of which shall be ~~1000~~ feet from the North line and ~~2000~~ feet from the West line (Unit ~~111~~) of Section 6, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico, by kicking off from the vertical

890

D

1219

7/1

COUNTY *Eddy*

POOL *Indian Basin - Upper Pennsylvanian Gas*

COUNTY *Eddy*

POOL *Indian Basin - Upper Pennsylvanian Gas*

TOWNSHIP *12 South*

RANGE *27 East*

MMPM

TOWNSHIP <i>12 South</i>		RANGE <i>27 East</i>		NMPM	
6	5	4	3	2	1
5	5	4	3	2	1
7	8	9	10	11	12
7	8	9	10	11	12
18	17	16	15	14	13
18	17	16	15	14	13
19	20	21	22	23	24
19	20	21	22	23	24
30	29	28	27	26	25
30	29	28	27	26	25
31	32	33	34	35	36
31	32	33	34	35	36

Excl. All Secs 6 (R-2726, 7-1-64) - All Secs 4 & 5 (R-2870, 3-1-65)

All Secs 7 & 8 (R-3030, 2-1-66) - All Secs 4 & 5 (R-2870, 3-1-65)

All Secs 7 & 8 (R-3030, 2-1-66)

at a depth of approximately ~~6000~~⁶⁰⁰⁰ feet, and drilling in such a manner as to bottom in the Undesignated Vacuum-Drinkard Pool at a standard oil well location within Lot 2 (~~NE~~⁴/~~4~~ equivalent) of said Section 6 forming a standard ~~40~~¹¹⁰¹⁻ acre, ~~more or less~~^{37.43} oil spacing and proration unit for said pool.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations into said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED HOWEVER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Hobbs district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.

(3) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL A new C-102 shall be filed with the Hobbs District office, showing the surface & actual bottom hole locations
WJL/MES/amg

cc: Oil Conservation Division - Hobbs
NM State Land Office - Santa Fe

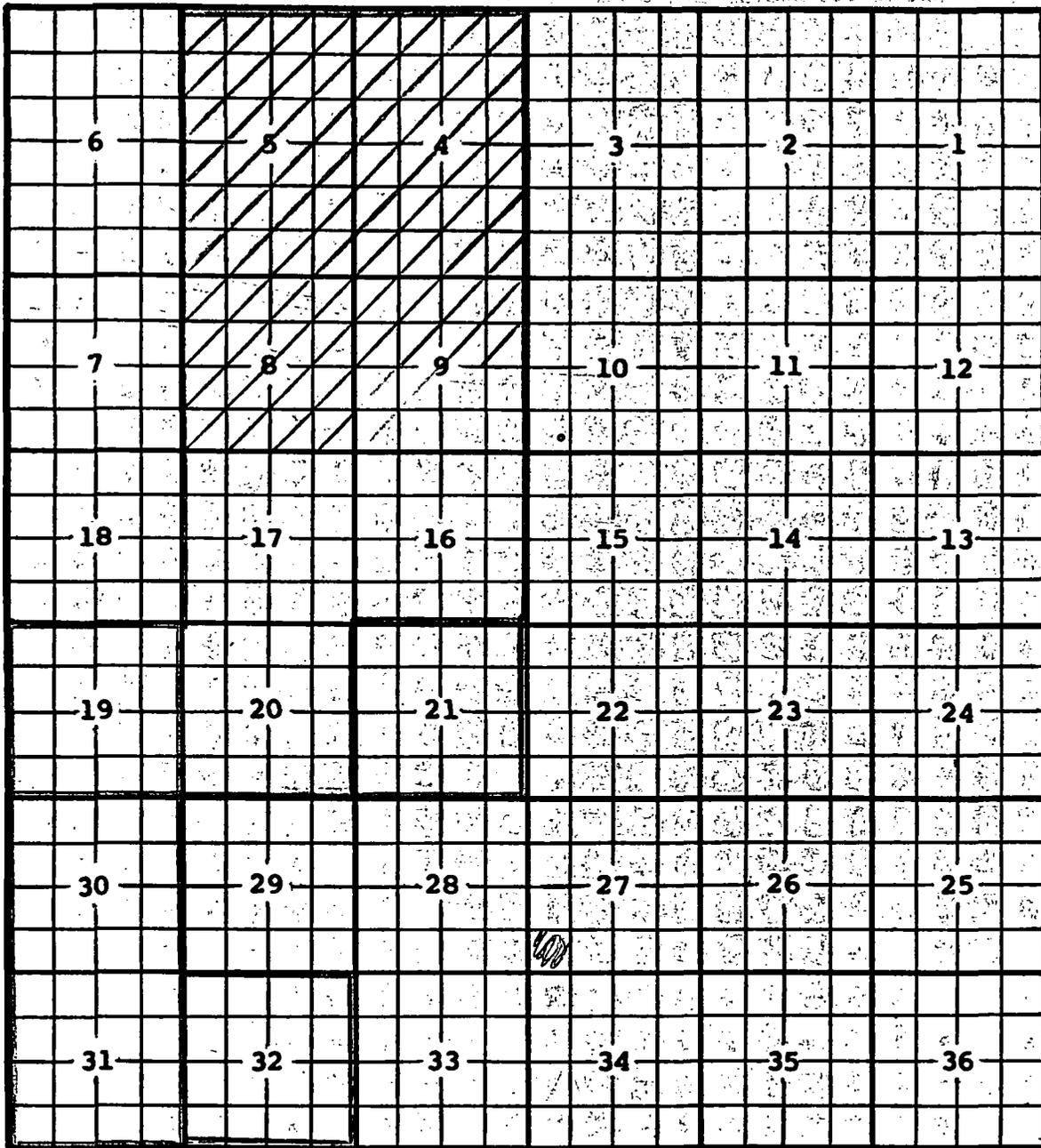
COUNTY Eddy

POOL Indian Basin - Morrow Gas

TOWNSHIP 21 South

RANGE 24 East

NMPM



Ext: All Sec 19 (R-2726, 7-1-64) - All Sec 30 & 31 (R-2911, 6-1-65)

- All Secs 4, 5, 8, 9, 16, 17, & 20 (R-3758, 6-1-69)

Deletion: All Secs 4 & 5 (R-5162, 3-1-76)

Deletion: 1/2 Sec 9 (R-5891, 1-1-79) Deletion: All Sec 8 (R-5885, 12-31-79)

Ext: All Sec. 32 (R-8391, 1-22-87) EXT: All Sec 21 (R-8969, 8-1-89)



**Marathon
Oil Company**

P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 28, 1993

Mr. William J. Lemay, Director
State Of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
310 Old Santa Fe Trail
P. O. Box 2088
Santa Fe, New Mexico 87504
(505) 827-5800

RE: Application of Marathon Oil Company
For Administration Approval
For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum Drinkard Field
Lea County, New Mexico

Dear Sir:

Please find attached copies of Waivers of Objection from all offset operators to Marathon's application to directionally drill the Warn State A/C 2 No. 22.

Should you have any questions or require further information, please contact C. T. Kent at (915) 682-1626, extension 8282.

Sincerely,

A handwritten signature in cursive script, appearing to read 'T. N. Tipton'.

T. N. Tipton
Engineering Manager
Midland Operations

xc: R. A. Biernbaum
C. T. Kent
T. C. Lowry
D. R. Petro

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY: Texaco
SIGNED: Charles Asher
TITLE: Area Exploration Manager
DATE: June 24, 1993

RECEIVED
JUN 28 1993
Engineering Department
Midland District
Midland, Texas

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY: SHELL WESTERN E & P INC.
SIGNED: R. L. Sykes
 R. L. SYKES
TITLE: OSO ADMINISTRATOR
DATE: 6/16/93

RECEIVED
JUN 22 1993
Engineering Department
Midland District
Midland, Texas

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Texaco Expl. & Prod. Inc.
 P. O. Box 3109
 Midland, TX 79702
 Attn: Charles C. Atherton

4a. Article Number
 P 355 206 514

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 6/14/93 JUN 14 1993

5. Signature (Addressee)

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

6. Signature (Agent)

Charles C. Atherton

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Shell Western E&P, Inc.
 200 N. Dairy Ashford
 Houston, TX 77079
 Attn: Robert L. Sykes
 WCK 4456

4a. Article Number
 P 355 206 515

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 6/14/93

5. Signature (Addressee)

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

6. Signature (Agent)

Robert L. Sykes

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530

DOMESTIC RETURN RECEIPT

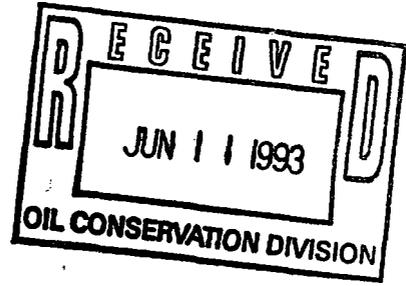
Thank you for using Return Receipt Service.



P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 10, 1993

Mr. William J. Lemay, Director
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
310 Old Santa Fe Trail
P. O. Box 2088
Santa Fe, New Mexico 87504
(505) 827-5800



RE: Application of Marathon Oil Company
For Administrative Approval
For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum Drinkard Field
Lea County, New Mexico

Dear Sir:

Marathon Oil Company, respectfully requests administrative approval to directionally drill the Warn State A/C 2 Well No. 22 in the Vacuum Drinkard Field from an unorthodox surface location of 1,219' FNL and 890' FWL of Section 6 to an orthodox bottomhole location 757' FNL and 890' FWL of Section 6.

Geologic constraints dictate that the well needs to be located in the southern portion of the 40-acre proration unit. However, several surface obstructions prevent drilling the well at an orthodox location. A suitable surface location was found at 1,219' FNL and 890' FWL. This location is only 101' from the southern boundary of the proration unit which is closer than the 330' standoff required by Statewide Rules for 40-acre oil development.

Marathon proposes to directionally drill the Warn State A/C 2 Well No. 21 from the above mentioned location to an orthodox bottomhole location 757' FNL and 890' FWL of Section 6. The well will be drilled vertically to a depth of 6,000', then deviated in a northeasterly direction at an angle of 14.7°, to reach the proposed bottomhole location. Directional surveys will be run as described in NMOCD Rule 111. Attached is a site plat showing the surface and proposed bottomhole locations as well as the surface obstructions in the area. Also attached is a cut-away view of the proposed directional drilling plan.

Mr. William J. Lemay, Director
New Mexico Oil Conservation Division
Energy, Minerals and Natural Resource Department
Warn State A/C 2 No. 22
Vacuum Drinkard Field
Lea County, New Mexico
Page No1. 2

As described in NMOCD Rule 111 operators of all offsetting proration units have been notified of this application by certified mail. Attached is a list of those operators and a copy of the letter providing notice.

Should you have any questions or require further information, please contact C. T. Kent at (915) 682-1626, extension 8282.

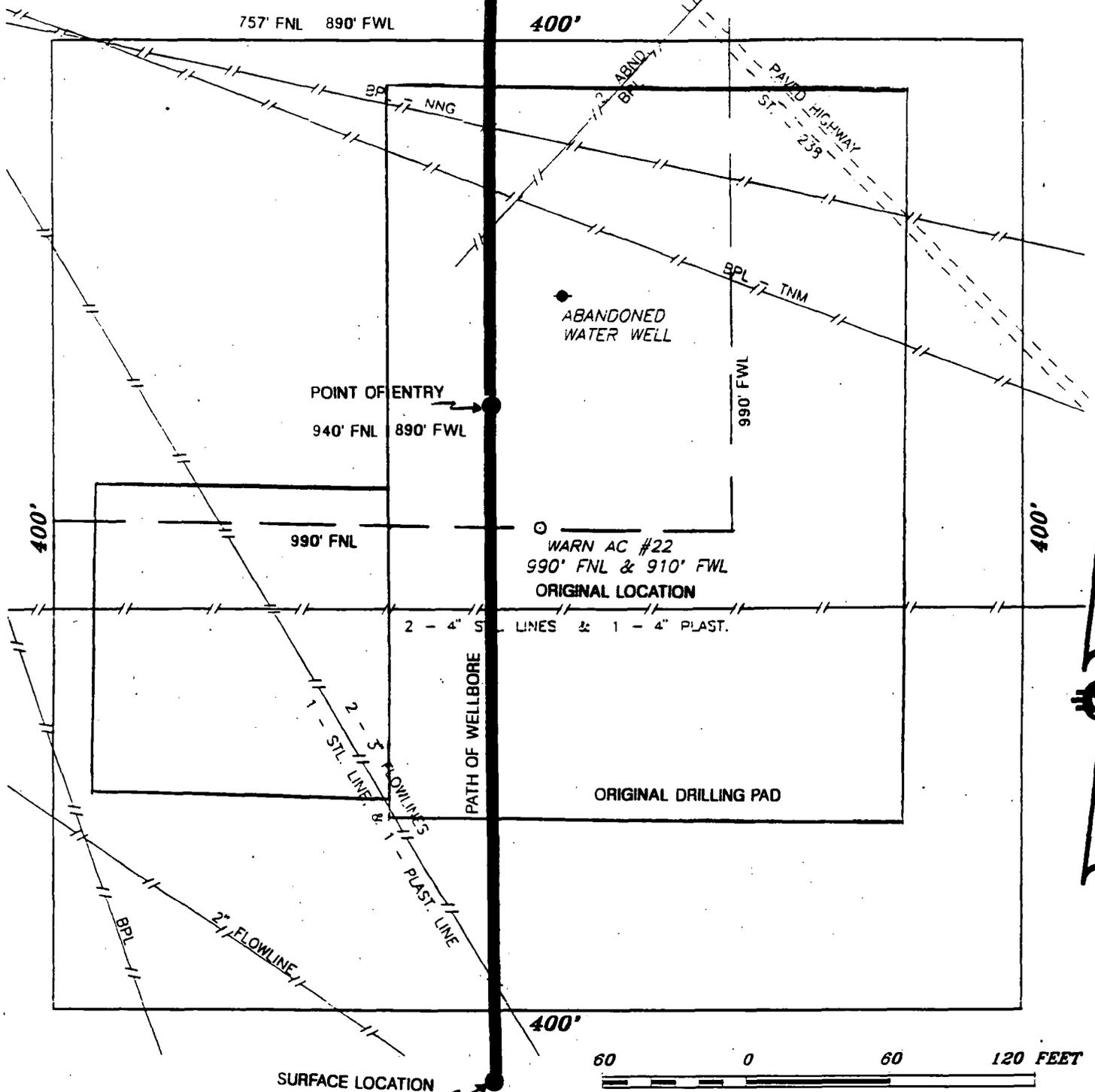
Sincerely,

David Petro for TNT

T. N. Tipton 6-10-93
Engineering Manager
Midland Operations

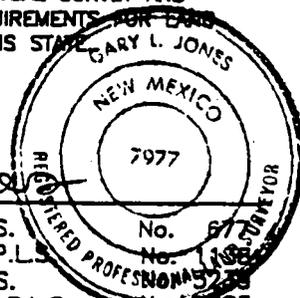
xc: R. A. Biernbaum
C. T. Kent
T. C. Lowry
C. T. Pearce
D. R. Petro
R. F. Unger

SECTION 6, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, BOTTOM HOLE LOCATION NEW MEXICO.



1.219' FNL 890' FWL

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



JOHN W. WEST

N.M. P.S.
TEXAS P.L.S.

RONALD J. EIDSON

N.M. P.S.
TEXAS P.L.S.

GARY L. JONES

N.M. P.S.
TEXAS P.L.S.

WARN AC No. 22

MARATHON OIL COMPANY

A 400' x 400' PAD AROUND THE WARN AC WELL No. 22
LOCATED IN SECTION 6, TOWNSHIP 18 SOUTH, RANGE 35
EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS & SURVEYORS - HOBBS, NEW MEXICO

Survey Date: 06-01-93 Sheet 1 of 1 Sheets

W.O. Number: 93-11-0681 Drawn By: S.C. NICHOLS

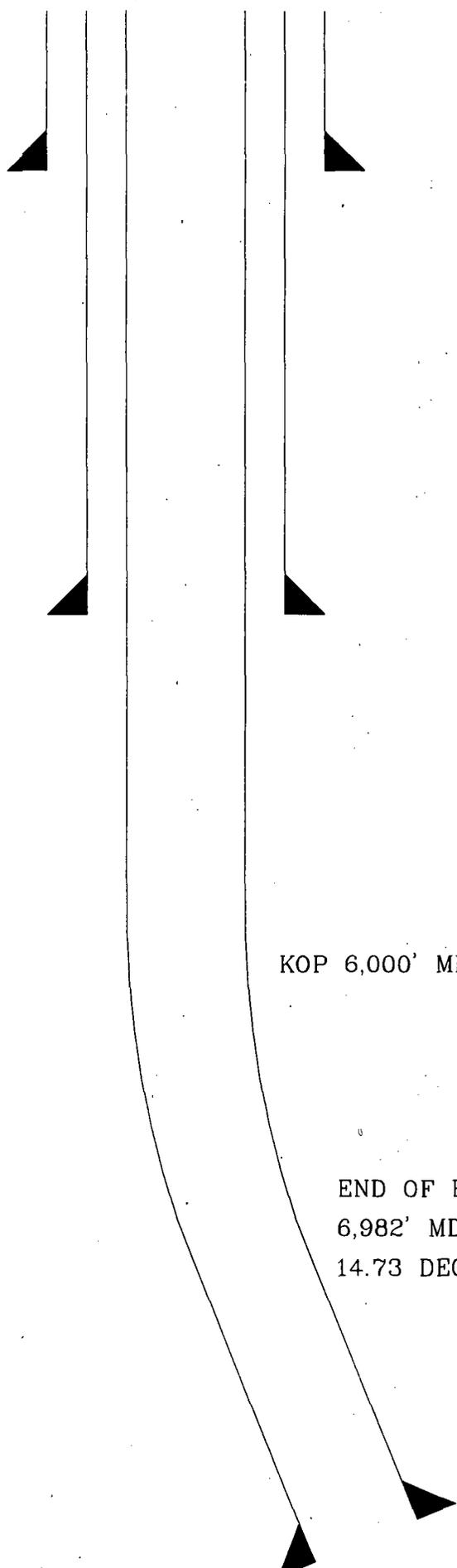
MARATHON OIL COMPANY
WARN ST. A/C 2 No. 22
VACUUM (DRINKARD) FIELD

SECTION 6 T-18-S R-35-E
LEA COUNTY, NEW MEXICO

SURFACE LOCATION : 1,219' FNL 890' FWL

BOTTOM HOLE LOCATION: 757' FNL 890' FWL

NOT TO SCALE



KOP 6,000' MD

END OF BUILD
6,982' MD, 6,971' TVD
14.73 DEGREES

BOTTOM HOLE LOCATION
8,304' MD, 8,250' TVD
462' DISPLACEMENT

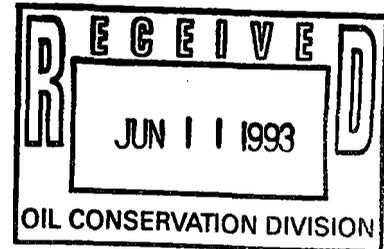


P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 10, 1993

Mr. William J. Lemay, Director
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
310 Old Santa Fe Trail
P. O. Box 2088
Santa Fe, New Mexico 87504
(505) 827-5800

RE: Application of Marathon Oil Company
For Administrative Approval
For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum Drinkard Field
Lea County, New Mexico



Dear Sir:

Marathon Oil Company, respectfully requests administrative approval to directionally drill the Warn State A/C 2 Well No. 22 in the Vacuum Drinkard Field from an unorthodox surface location of 1,219' FNL and 890' FWL of Section 6 to an orthodox bottomhole location 757' FNL and 890' FWL of Section 6.

Geologic constraints dictate that the well needs to be located in the southern portion of the 40-acre proration unit. However, several surface obstructions prevent drilling the well at an orthodox location. A suitable surface location was found at 1,219' FNL and 890' FWL. This location is only 101' from the southern boundary of the proration unit which is closer than the 330' standoff required by Statewide Rules for 40-acre oil development.

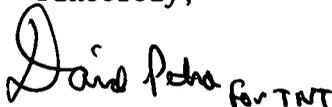
Marathon proposes to directionally drill the Warn State A/C 2 Well No. 21 from the above mentioned location to an orthodox bottomhole location 757' FNL and 890' FWL of Section 6. The well will be drilled vertically to a depth of 6,000', then deviated in a northeasterly direction at an angle of 14.7°, to reach the proposed bottomhole location. Directional surveys will be run as described in NMOCD Rule 111. Attached is a site plat showing the surface and proposed bottomhole locations as well as the surface obstructions in the area. Also attached is a cut-away view of the proposed directional drilling plan.

Mr. William J. Lemay, Director
New Mexico Oil Conservation Division
Energy, Minerals and Natural Resource Department
Warn State A/C 2 No. 22
Vacuum Drinkard Field
Lea County, New Mexico
Page Nol. 2

As described in NMOC D Rule 111 operators of all offsetting proration units have been notified of this application by certified mail. Attached is a list of those operators and a copy of the letter providing notice.

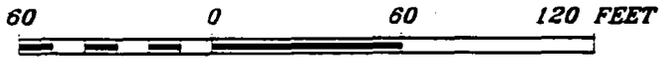
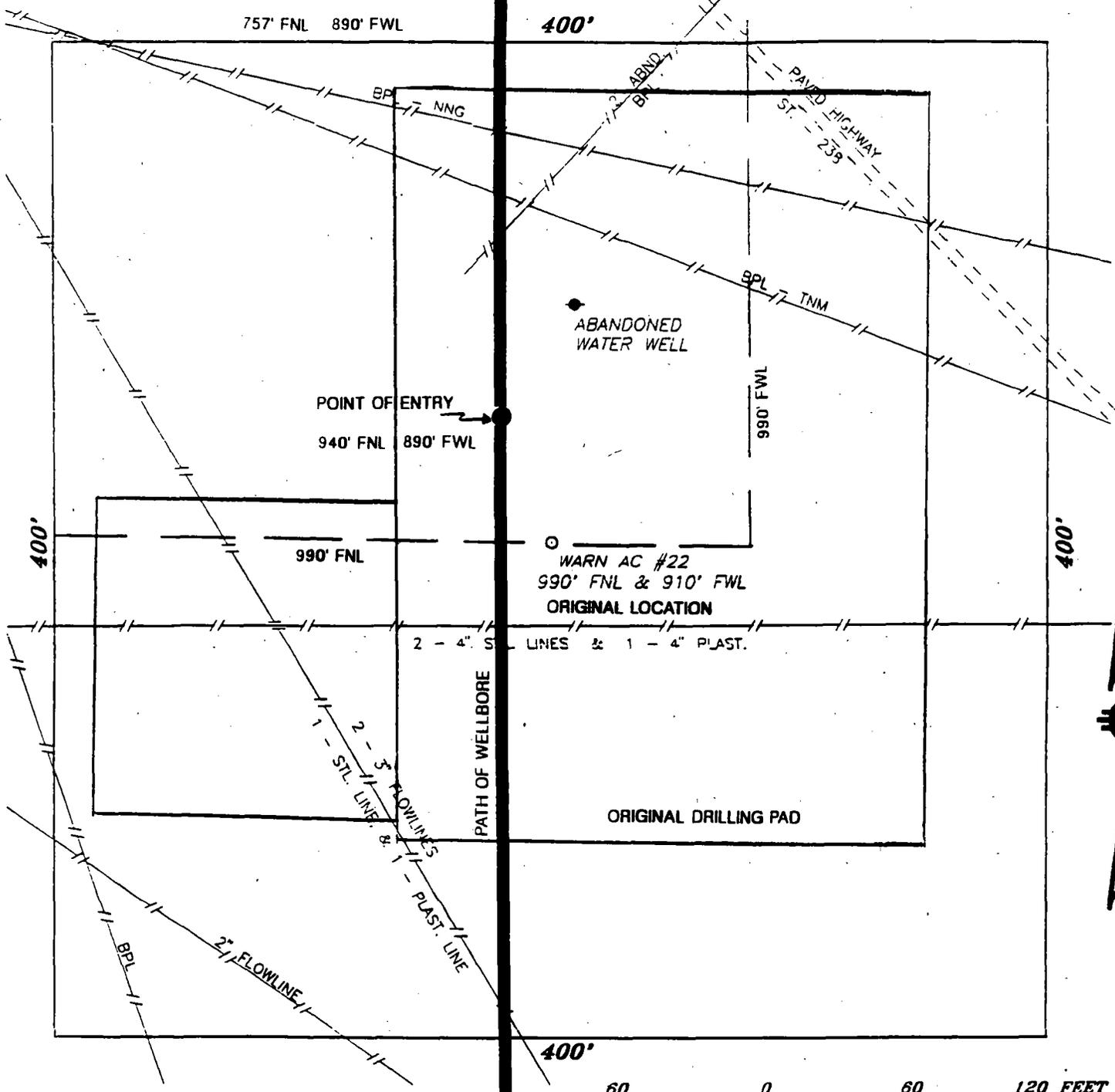
Should you have any questions or require further information, please contact C. T. Kent at (915) 682-1626, extension 8282.

Sincerely,


T. N. Tipton *6-10-93*
Engineering Manager
Midland Operations

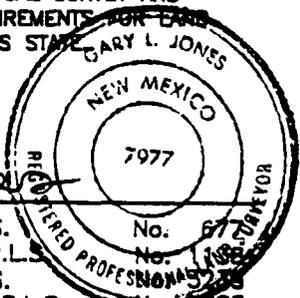
xc: R. A. Biernbaum
C. T. Kent
T. C. Lowry
C. T. Pearce
D. R. Petro
R. F. Unger

SECTION 6, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, BOTTOM HOLE LOCATION NEW MEXICO.



WARN AC No. 22

1,219' FNL 890' FWL
I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



[Signature]
JOHN W. WEST
RONALD J. EIDSON
GARY L. JONES

N.M. P.S. No. 6718
TEXAS P.L.S. No. 1188
N.M. P.S. No. 7883
TEXAS P.L.S. No. 7277

MARATHON OIL COMPANY

A 400' x 400' PAD AROUND THE WARN AC WELL No. 22 LOCATED IN SECTION 6, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS & SURVEYORS - HOBBS, NEW MEXICO

Survey Date: 06-01-93	Sheet 1 of 1 Sheets
W.O. Number: 93-11-0681	Drawn By: S.C. NICHOLS

MARATHON OIL COMPANY

WARN ST. A/C 2 No. 22

VACUUM (DRINKARD) FIELD

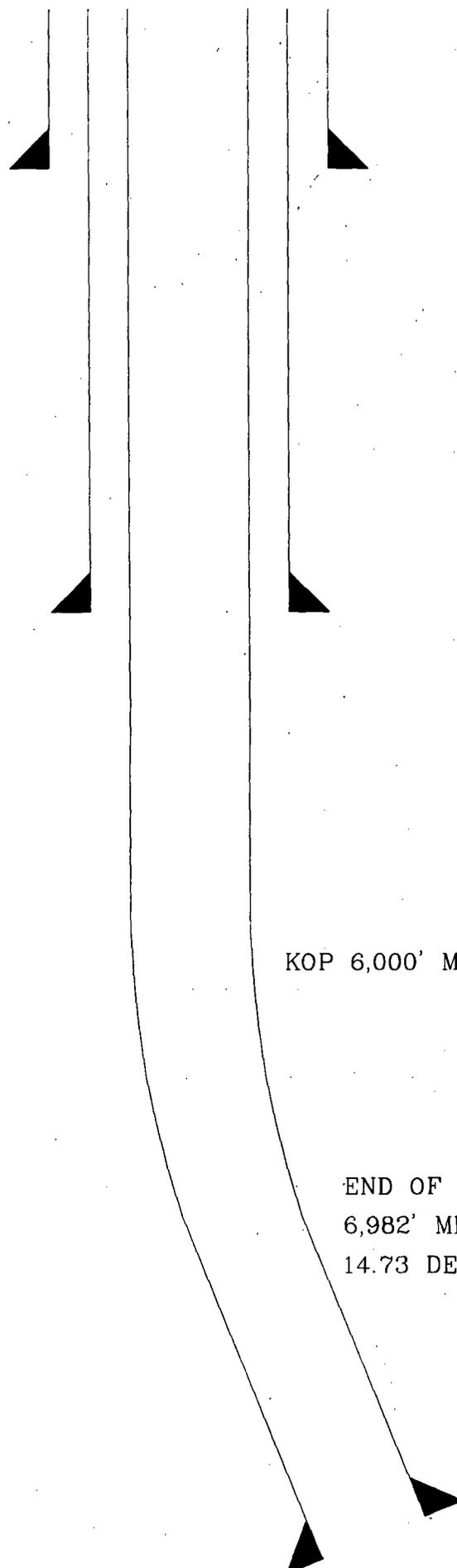
SECTION 6 T-18-S R-35-E

LEA COUNTY, NEW MEXICO

SURFACE LOCATION : 1,219' FNL 890' FWL

BOTTOM HOLE LOCATION: .757' FNL 890' FWL

NOT TO SCALE



KOP 6,000' MD

END OF BUILD
6,982' MD, 6,971' TVD
14.73 DEGREES

BOTTOM HOLE LOCATION
8,304' MD, 8,250' TVD
462' DISPLACEMENT



P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 10, 1993

Mr. William J. Lemay, Director
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
310 Old Santa Fe Trail
P. O. Box 2088
Santa Fe, New Mexico 87504
(505) 827-5800

RE: Application of Marathon Oil Company
For Administrative Approval
For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum Drinkard Field
Lea County, New Mexico



Dear Sir:

Marathon Oil Company, respectfully requests administrative approval to directionally drill the Warn State A/C 2 Well No. 22 in the Vacuum Drinkard Field from an unorthodox surface location of 1,219' FNL and 890' FWL of Section 6 to an orthodox bottomhole location 757' FNL and 890' FWL of Section 6.

Geologic constraints dictate that the well needs to be located in the southern portion of the 40-acre proration unit. However, several surface obstructions prevent drilling the well at an orthodox location. A suitable surface location was found at 1,219' FNL and 890' FWL. This location is only 101' from the southern boundary of the proration unit which is closer than the 330' standoff required by Statewide Rules for 40-acre oil development.

Marathon proposes to directionally drill the Warn State A/C 2 Well No. 21 from the above mentioned location to an orthodox bottomhole location 757' FNL and 890' FWL of Section 6. The well will be drilled vertically to a depth of 6,000', then deviated in a northeasterly direction at an angle of 14.7°, to reach the proposed bottomhole location. Directional surveys will be run as described in NMOCD Rule 111. Attached is a site plat showing the surface and proposed bottomhole locations as well as the surface obstructions in the area. Also attached is a cut-away view of the proposed directional drilling plan.

Mr. William J. Lemay, Director
New Mexico Oil Conservation Division
Energy, Minerals and Natural Resource Department
Warn State A/C 2 No. 22
Vacuum Drinkard Field
Lea County, New Mexico
Page Nol. 2

As described in NMOC D Rule 111 operators of all offsetting proration units have been notified of this application by certified mail. Attached is a list of those operators and a copy of the letter providing notice.

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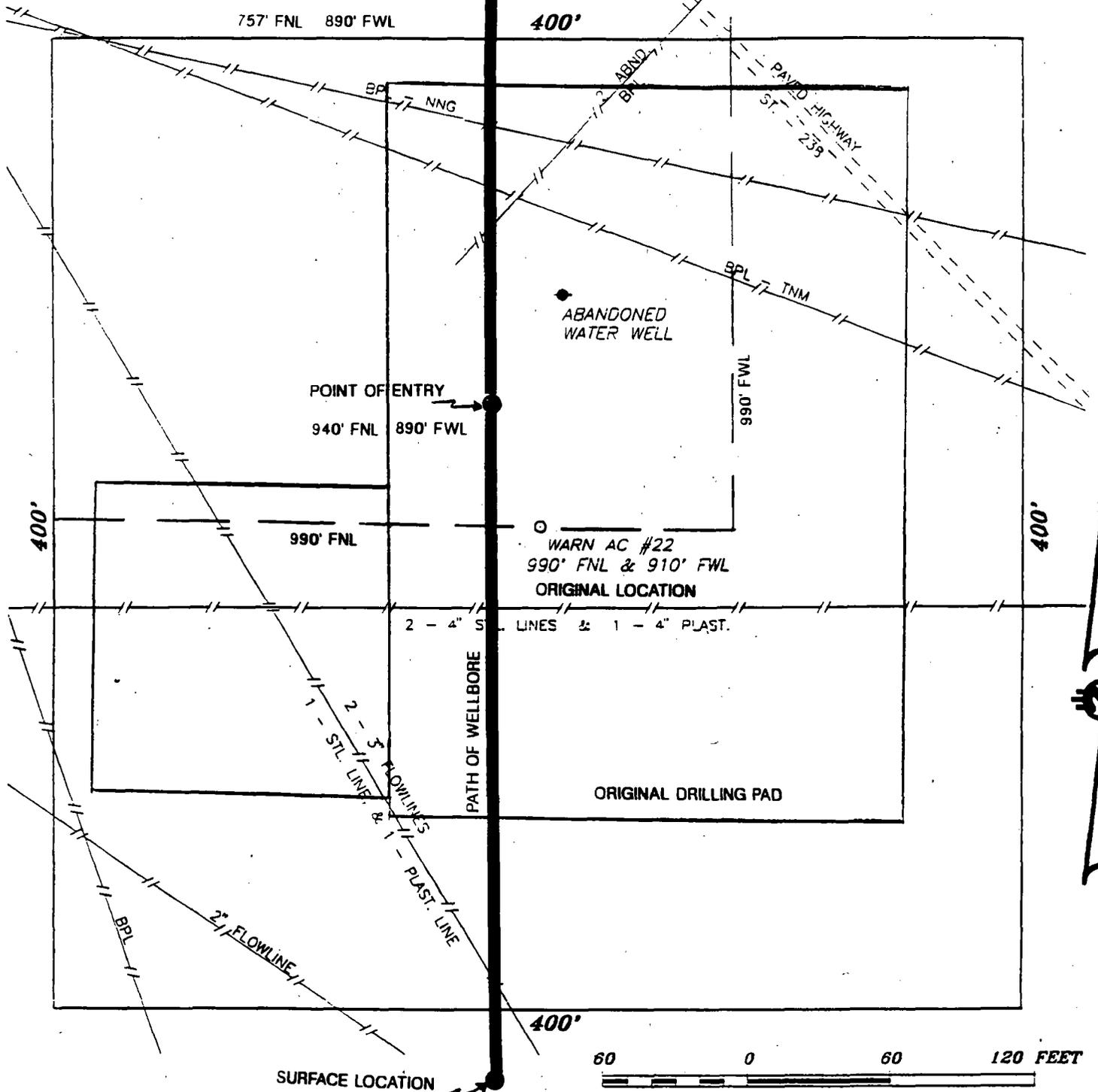
Sincerely,

David Petro for TNT

T. N. Tipton 6-10-93
Engineering Manager
Midland Operations

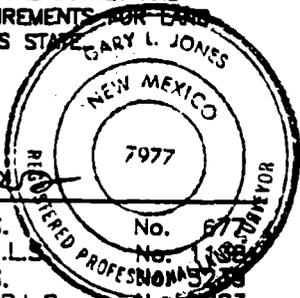
xc: R. A. Biernbaum
C. T. Kent
T. C. Lowry
C. T. Pearce
D. R. Petro
R. F. Unger

SECTION 6, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, BOTTOM HOLE LOCATION NEW MEXICO.



WARN AC No. 22

1,219' FNL 890' FWL
I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



JOHN W. WEST
RONALD J. EIDSON
GARY L. JONES

N.M. P.S. No. 6718
TEXAS P.L.S. No. 1188
N.M. P.S. No. 1883
TEXAS P.L.S. No. 7077

MARATHON OIL COMPANY

A 400' x 400' PAD AROUND THE WARN AC WELL No. 22 LOCATED IN SECTION 6, TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

JOHN W. WEST ENGINEERING COMPANY
CONSULTING ENGINEERS & SURVEYORS - HOBBS, NEW MEXICO

Survey Date: 06-01-93	Sheet 1 of 1 Sheets
W.O. Number: 93-11-0681	Drawn By: S.C. NICHOLS

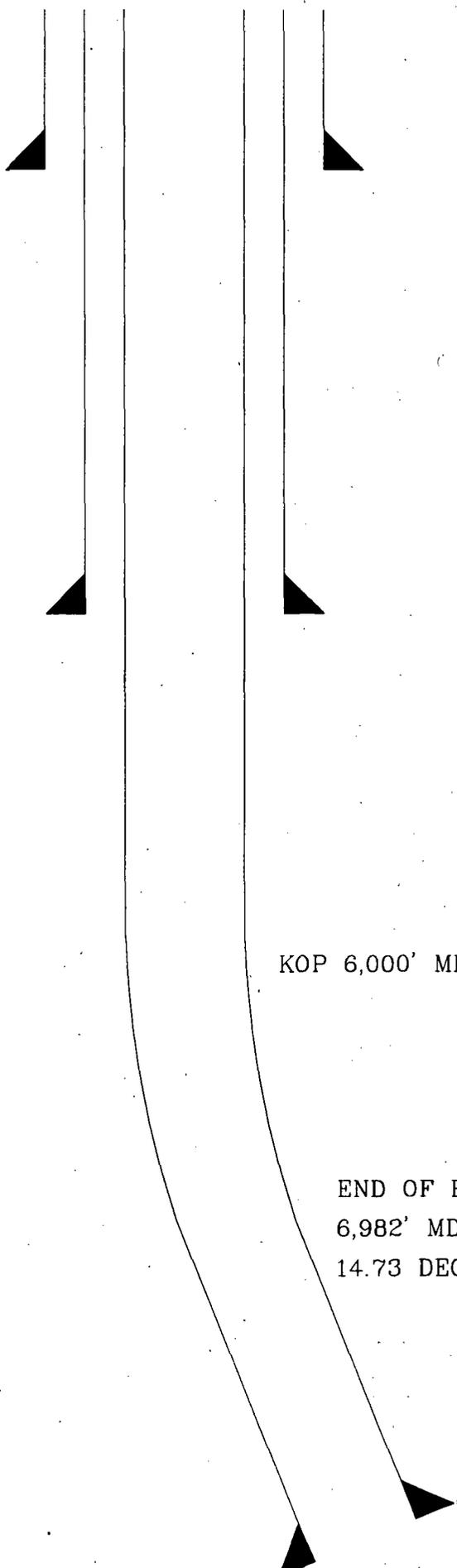
MARATHON OIL COMPANY
WARN ST. A/C 2 No. 22
VACUUM (DRINKARD) FIELD

SECTION 6 T-18-S R-35-E
LEA COUNTY, NEW MEXICO

SURFACE LOCATION : 1,219' FNL 890' FWL

BOTTOM HOLE LOCATION: 757' FNL 890' FWL

NOT TO SCALE



KOP 6,000' MD

END OF BUILD
6,982' MD, 6,971' TVD
14.73 DEGREES

BOTTOM HOLE LOCATION
8,304' MD, 8,250' TVD
462' DISPLACEMENT

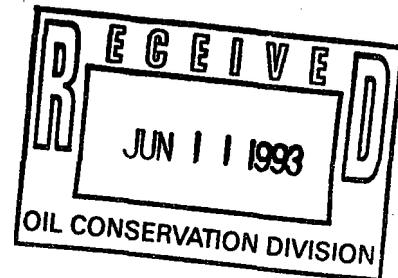


P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 10, 1993

Offset Operators
(Mailing List Attached)
Certified Mail

RE: Request for Waiver
Application of Marathon Oil Company
For Administrative Approval
For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum (Drinkard) Field
Lea County, New Mexico



Gentlemen:

Please find attached Marathon Oil Company's Application for administrative approval for the directional drilling of the Warn State A/C 2 No. 22. Because of various obstructions in the NW/4 NW/4 of Section 6, the well will be directionally drilled from an unorthodox surface location 1,219' FNL and 890' FWL to an orthodox bottom hole location 757' FNL and 890' FWL.

If you have no objection to this request please sign and return one copy to Marathon. Should you have any questions or require further information please contact C. T. Kent at (915) 682-1626, extension 8282.

Sincerely,

David Petro for TNT

T. N. Tipton 6-10-93
Engineering Manger
Midland Operations

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY: _____

SIGNED: _____

TITLE: _____

DATE: _____

Texaco Exploration and Production, Inc.
P. O. Box 3109
Midland, Texas 79702
Attn: Charles C. Atherton

Shell Western E&P, Inc.
200 N. Dairy Ashford
Houston, TX 77079
Attn: Robert L. Sykes
WCK 4456



P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 10, 1993

Offset Operators
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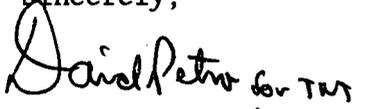
RE: Request for Waiver
Application of Marathon Oil Company
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1,219' FNL and 890' FWL
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Sincerely,


T. N. Tipton 6-10-93
Engineering Manger
Midland Operations

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

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200 N. Dairy Ashford
Houston, TX 77079
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WCK 4456

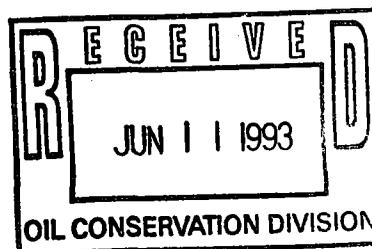


P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 10, 1993

Offset Operators
(Mailing List Attached)
Certified Mail

RE: Request for Waiver
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For Administrative Approval
For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum (Drinkard) Field
Lea County, New Mexico



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Sincerely,

T. N. Tipton for TWT
T. N. Tipton 6-10-93
Engineering Manger
Midland Operations

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY: _____

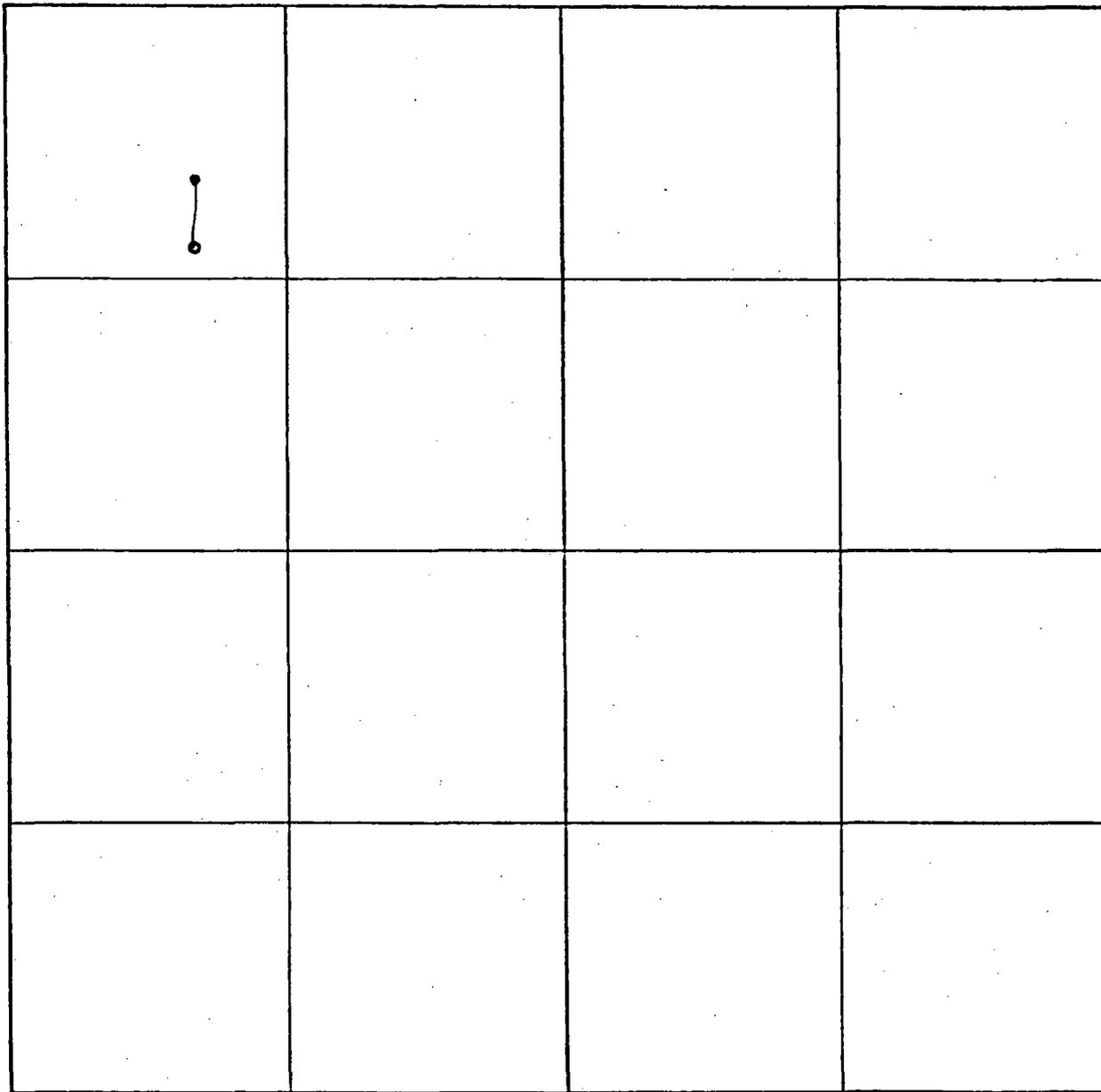
SIGNED: _____

TITLE: _____

DATE: _____

Texaco Exploration and Production, Inc.
P. O. Box 3109
Midland, Texas 79702
Attn: Charles C. Atherton

Shell Western E&P, Inc.
200 N. Dairy Ashford
Houston, TX 77079
Attn: Robert L. Sykes
WCK 4456



SECTION 6

TOWNSHIP 18S

RANGE 35E

(4) 37.43	(5) 40	(2) 40	(1) 40
(5) 37.51			
(1) 37.57			
(1) 37.65			

SECTION 6

TOWNSHIP 18 South

RANGE 35 E. 7



P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 28, 1993

Mr. William J. Lemay, Director
State Of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
310 Old Santa Fe Trail
P. O. Box 2088
Santa Fe, New Mexico 87504
(505) 827-5800

RE: Application of Marathon Oil Company
For Administration Approval
For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum Drinkard Field
Lea County, New Mexico

Dear Sir:

Please find attached copies of Waivers of Objection from all offset operators to Marathon's application to directionally drill the Warn State A/C 2 No. 22.

Should you have any questions or require further information, please contact C. T. Kent at (915) 682-1626, extension 8282.

Sincerely,

A handwritten signature in cursive script, appearing to read 'T. N. Tipton'.

T. N. Tipton
Engineering Manager
Midland Operations

xc: R. A. Biernbaum
C. T. Kent
T. C. Lowry
D. R. Petro

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY:

Texaco

SIGNED

Charles A. Shepley

TITLE:

Area Exploration Manager

DATE:

June 24, 1993

RECEIVED

JUN 28 1993

Engineering Department
Midland District
Midland, Texas

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY: SHELL WESTERN E & P. INC.
SIGNED: R. L. Sykes
 R. L. SYKES
TITLE: OSO ADMINISTRATOR
DATE: 6/16/93

RECEIVED
JUN 22 1993
Engineering Department
Midland District
Midland, Texas

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Texaco Expl. & Prod. Inc.
 P. O. Box 3109
 Midland, TX 79702
 Attn: Charles C. Atherton

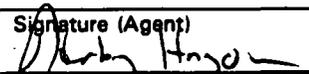
4a. Article Number
 P 355 206 514

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 6/14/93 JUN 14 1993

5. Signature (Addressee)

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

6. Signature (Agent)


PS Form 3811, December 1991 ☆ U.S.G.P.O. : 1992-307-530

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

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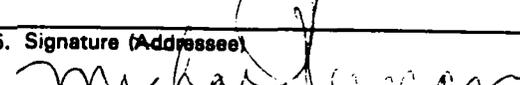
Consult postmaster for fee.

3. Article Addressed to:
 Shell Western E&P, Inc.
 200 N. Dairy Ashford
 Houston, TX 77079
 Attn: Robert L. Sykes
 WCK 4456

4a. Article Number
 P 355 206 515

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 6/14/93

5. Signature (Addressee)


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

6. Signature (Agent)

PS Form 3811, December 1991 ☆ U.S.G.P.O. : 1992-307-530

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.



**Marathon
Oil Company**

P.O. Box 552
Midland, TX 79702-0552
Telephone 915/682-1626

June 28, 1993

Mr. William J. Lemay, Director
State Of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
310 Old Santa Fe Trail
P. O. Box 2088
Santa Fe, New Mexico 87504
(505) 827-5800

RE: Application of Marathon Oil Company
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For Directional Drilling
Warn State A/C 2 No. 22
1,219' FNL and 890' FWL
Section 6, T-18-S, R-35-E
Vacuum Drinkard Field
Lea County, New Mexico

Dear Sir:

Please find attached copies of Waivers of Objection from all offset operators to Marathon's application to directionally drill the Warn State A/C 2 No. 22.

Should you have any questions or require further information, please contact C. T. Kent at (915) 682-1626, extension 8282.

Sincerely,

A handwritten signature in cursive script, appearing to read 'T. N. Tipton'.

T. N. Tipton
Engineering Manager
Midland Operations

xc: R. A. Biernbaum
C. T. Kent
T. C. Lowry
D. R. Petro

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY: Texaco
SIGNED: Charles A. Shealy
TITLE: Area Exploration Manager
DATE: June 24, 1993

RECEIVED

JUN 28 1993

Engineering Department
Midland District
Midland, Texas

Offset Operators
Request for Waiver
Warn State A/C 2 No. 22
Lea County, New Mexico
Page No. 2

Objection to the application of Marathon Oil Company for administrative approval for the directional drilling of its Warn State A/C 2 No. 22 well in the Vacuum Drinkard Field is hereby waived.

COMPANY: SHELL WESTERN E & P INC.
SIGNED: RI Sykes
TITLE: W. L. SYKES
OSO ADMINISTRATOR
DATE: 6/16/93

RECEIVED
JUN 22 1993
Engineering Department
Midland District
Midland, Texas

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Consult postmaster for fee.

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 Texaco Expl. & Prod. Inc.
 P. O. Box 3109
 Midland, TX 79702
 Attn: Charles C. Atherton

4a. Article Number
 P 355 206 514

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 6/14/93 JUN 14 1993

5. Signature (Addressee)

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

6. Signature (Agent)
Charles C. Atherton

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530

DOMESTIC RETURN RECEIPT

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 Shell Western E&P, Inc.
 200 N. Dairy Ashford
 Houston, TX 77079
 Attn: Robert L. Sykes
 WCK 4456

4a. Article Number
 P 355 206 515

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 6/14/93

5. Signature (Addressee)
Robert L. Sykes

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

6. Signature (Agent)
Robert L. Sykes

PS Form 3811, December 1991 ☆ U.S.G.P.O.: 1992-307-530

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

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