

OIL CONSERVATION DIVISION  
P. O. Box 2088  
SANTA FE, NEW MEXICO  
87501

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

ADMINISTRATIVE ORDER  
NFL 103

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER  
MADE PURSUANT TO SECTION 271.305(b) OF THE  
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,  
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION  
ORDER NO. R-6013

I.  
Operator Marathon Oil Company Well Name and No. Warn State A/C-3 Well No. 9  
Location: Unit H Sec. 33 Twp. 17South Rng. 35East Cty. Lea

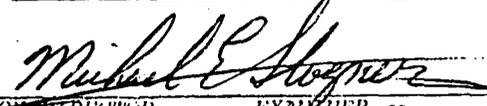
II.  
THE DIVISION FINDS:

- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, prior to the commencement of drilling, that the well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.
- (2) That by Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is to be completed in the Vacuum Glorieta Pool, and the standard spacing unit in said pool is 40 acres.
- (4) That a 40-acre proration unit comprising the SE/4 NE/4 of Sec. 33, Twp. 17South, Rng. 35East, is currently dedicated to the Warn State A/C-3 Well No. 9 located in Unit H of said section.
- (5) That this proration unit is (X) standard ( ) nonstandard; if nonstandard, said unit was previously approved by Order No. NA.
- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
- (7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 218,000 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013 have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
- (9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

IT IS THEREFORE ORDERED:

- (1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.
- (2) That 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 this 16 day of November 19 84.

  
DIVISION DIRECTOR — EXAMINER x

Received 3/17/83

OIL CONSERVATION DIVISION  
P. O. Box 2088  
SANTA FE, NEW MEXICO  
87501

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

ADMINISTRATIVE ORDER  
NFL # 103

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER  
MADE PURSUANT TO SECTION 271.305(b) OF THE  
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,  
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION  
ORDER NO. R-6013

I.

Operator Marathon Oil Company Well Name and No. Warn State A/C-3 Well No. 9  
Location: Unit H Sec. 33 Twp. 17 South Rng. 35 East Cty. Lea

II.

THE DIVISION FINDS:

- (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division must find, prior to the commencement of drilling, that the well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit, and must grant a waiver of existing well-spacing requirements.
- (2) That by Order No. R-6013, dated June 7, 1979, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.
- (3) That the well for which a finding is sought is to be completed in the Vacuum Glorieta Pool, and the standard spacing unit in said pool is 40 acres.
- (4) That a 40-acre proration unit comprising the SE 1/4 NE 1/4 of Sec. 33, Twp. 17 South, Rng. 35 East, is currently dedicated to the Warn State A/C-3 Well No. 9 located in Unit H of said section.
- (5) That this proration unit is (  ) standard (  ) nonstandard; if nonstandard, said unit was previously approved by Order No. NA.
- (6) That said proration unit is not being effectively and efficiently drained by the existing well(s) on the unit.
- (7) That the drilling and completion of the well for which a finding is sought should result in the production of an additional 218,000 MCF of gas from the proration unit which would not otherwise be recovered.
- (8) That all the requirements of Order No. R-6013 have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.

(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved as an exception to the standard well spacing requirements for the pool.

IT IS THEREFORE ORDERED:

- (1) That the applicant is hereby authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirements and is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by any existing well thereon.
- (2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

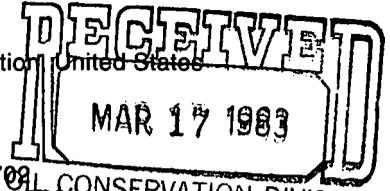
DONE at Santa Fe, New Mexico, on this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

DIVISION DIRECTOR \_\_\_\_\_ EXAMINER X



**Marathon  
Oil Company**

Midland District  
Houston Division  
Production Exploration United States



P.O. Box 552  
Midland, Texas 79709  
Telephone 915/682-1626

OIL CONSERVATION DIVISION  
SANTA FE

March 14, 1983

State of New Mexico  
Energy & Mineral Department  
Oil Conservation Division  
Santa Fe, New Mexico 87501

RE: Request for Administrative Procedure -  
Natural Gas Policy Act Infill Finding

Gentlemen:

Marathon Oil Company recently drilled the Warn State A/C 3 Well No. 9 in the Vacuum Glorieta Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, which is on the same 40 acre proration unit. The second well was necessary on this proration unit due to the inability of the first well to produce the reserves which remain under the proration unit. Well No. 8 was spudded on August 10, 1974, completed on October 8, 1974, and produced until August, 1979, at which time the well was producing 100 percent water. Several unsuccessful attempts were made to restore the well to an economic status by shutting off the excessive water production. The well was temporarily abandoned in December, 1979. Cumulative production from the well was 27,000 BO and 99 MMCFG.

Warn State A/C 3 Well No. 9 was spudded on December 20, 1982, drilled to a total depth of 6200' and completion work is currently in progress. The Glorieta formation was encountered approximately 17 feet higher than in Well No. 8 and logs indicate the porosity is developed higher in the formation. Based on log data of Well No. 9 the recoverable reserves are estimated to be 173,779 BO and 218 MMCFG.

h = 25 feet

net feet of pay from log of Warn State  
A/C 3 Well No. 9

$\phi$  = 10%

calculated from log of Warn State A/C 3  
Well No. 9

Sw = 30%

calculated from log of Warn State A/C 3  
Well No. 9

BOI = 1.25                      Standing correlation  
A = 40                           drainage area  
GOR = 1255                      production history of Glorieta Wells on  
                                    the Warn State A/C 3 Lease

Recovery factor = 40% assumed

$$\text{STOIP} = \frac{7758 \times 40 \times 25 (0.10) (1 - 0.30)}{1.25}$$

STOIP = 434,448 BO

Recoverable OIP = 434,448 x 0.40 = 173,779 BO

Recoverable GAS = 173,779 x 1255 = 218.092 MMCF

Attached is data that is relevant to the determination of additional reserves that will be recovered from the Warn State A/C 3 Well No. 9 including:

Computer Processed Log  
Structure Map of Glorieta  
Cross Section of Glorieta  
C-101  
C-102  
Notification of Offset Operators

All Offset Operators have been notified by certified mail. If additional information or clarification is necessary, please contact me.

Sincerely,

MARATHON OIL COMPANY

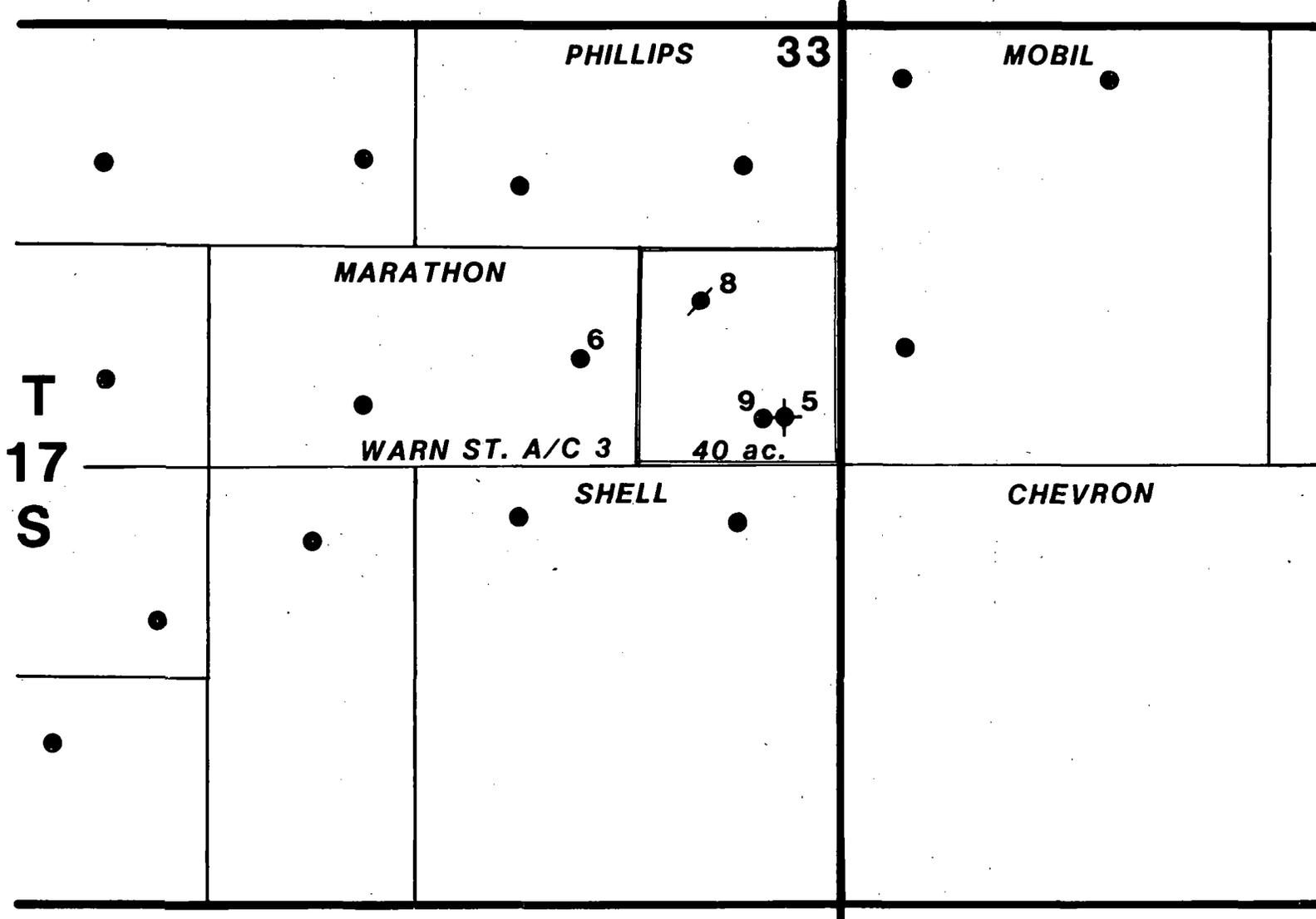
*W. D. Holmes*

W. D. Holmes  
District Operations Engineer

DAB/cb

Enclosures

R-35-E



NOTE: GLORIETA WELLS ONLY



HOUSTON DIVISION  
MIDLAND DISTRICT

**VACUUM GLORIETA**  
LEA COUNTY, NEW MEXICO



WELLS PREVIOUSLY PRODUCED FROM PRORATION UNIT

Warn State A/C 3 Well No. 5

OPERATOR: Marathon Oil Company

This well was drilled and completed in 1963 as a dual Glorieta-Abo oil producer. The Glorieta flowed on potential test at a rate of 135 BOPD and 14 BWPD. The well was produced as a dual completion until May of 1974. February 1, 1967 the Abo zone was unitized with Phillips Petroleum as operator. As per unit agreement the Abo unit had first call on the wellbore. In 1974, communication problems between the two zones were detected and the Glorieta zone was cement squeezed and the wellbore was turned over to the Vacuum Abo Reef Unit. The cumulative production from the Glorieta was 231,715 BO, 176 MMCFG, and 53,479 BW.

Warn State A/C 3 Well No. 8

OPERATOR: Marathon Oil Company

This well was drilled in 1974 as a replacement well for Warn State A/C 3 Well No. 5. The well potential tested 26 BO, 58 MCF and 60 BWPD. It was a rather poor producer due to the porosity development low in the formation. It produced until 1979 when it was shut in due to 100 percent water production. Several attempts were made to put the well back on production, but were unsuccessful. The cumulative production was 27,000 BO and 99 MMCFG.

F.I.C. Shuron

NO. OF COPIES RECEIVED	
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S.G.S.	
IND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

**RECEIVED**  
MAR 17 1983

5A. Indicate Type of Lease  
STATE  REC

5. State Oil & Gas Lease No.  
B-1713

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work  
Type of Well DRILL  DEEPEN  PLUG BACK   
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

7. Unit Agreement Name  
8. Firm or Lease Name  
Warn State A/C 3

Name of Operator  
Marathon Oil Company  
Address of Operator  
P.O. Box 2409, Hobbs, New Mexico 88240

9. Well No.  
.9  
10. Field and Pool, or Wildcat  
Vacuum - Glorieta

Location of Well  
UNIT LETTER H LOCATED 2310 FEET FROM THE North LINE  
580' FEET FROM THE East LINE OF SEC. 33 TWP. 17S. RCE. 35E NMPM

12. County  
Lea

19. Proposed Depth 6200'	19A. Formation Glorieta	20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond Current	21B. Drilling Contractor N/A	22. Approx. Date Work will start December 10, 1982

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9 5/8"	32.3#	1500'	700 sx	Circulate
8 3/4"	5 1/2"	15.5#	6200'	750 sx	Circulate

Drill 12 1/4" hole to ± 1500' and set 9 5/8" casing. Nipple up and test Hydril, pipe and blind rams, drill 8 3/4" hole to ± 6200'. Log open hole interval, run and set 5 1/2" production casing.

Inclination surveys will be taken at least every 500 feet.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

signed Thomas F. Zaparka Title Production Engineer Date November 18, 1982

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION

**RECEIVED**  
MAR 17 1983  
OIL CONSERVATION DIVISION

Form C-102  
Supersedes C-128  
Effective 1-1-65

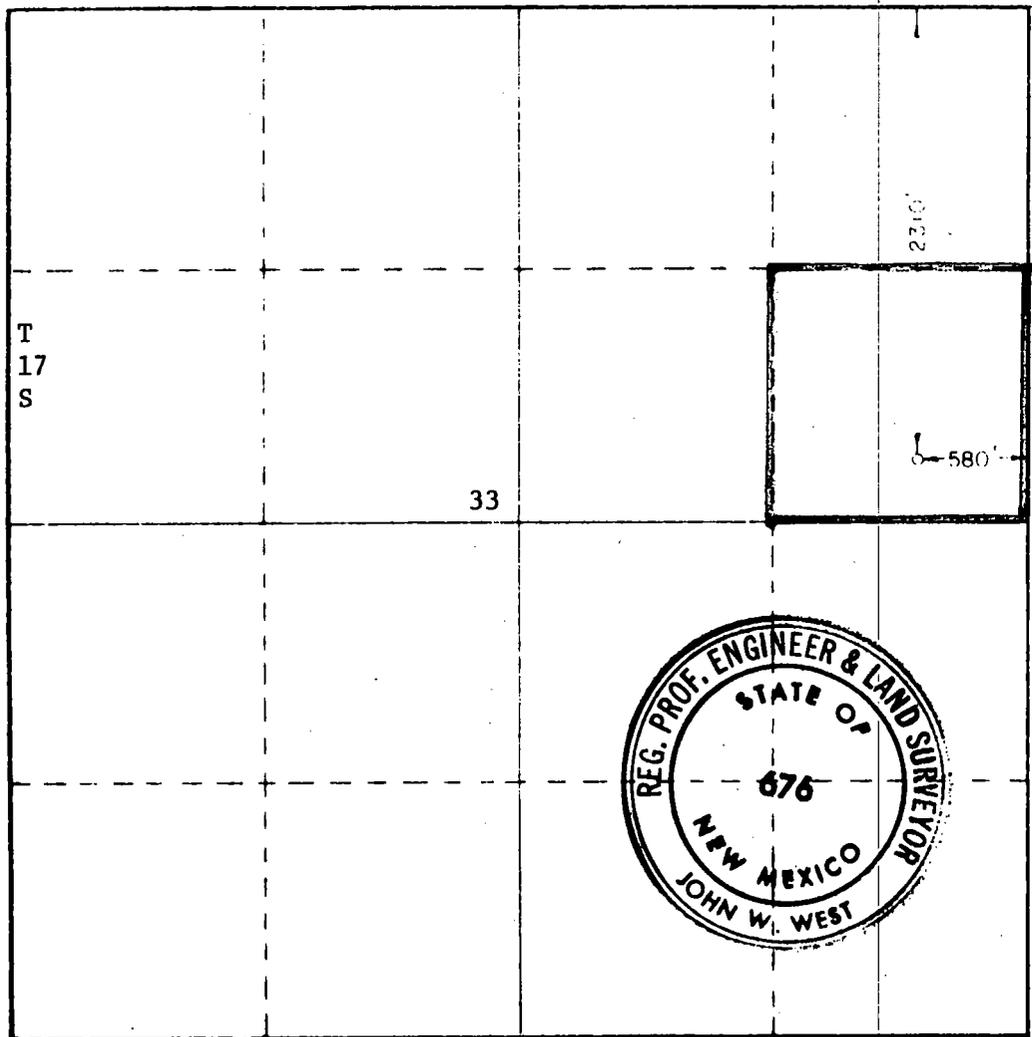
All distances must be from the outer boundaries of the Section

Owner <b>Marathon Oil Co.</b>		Well Name <b>Warn State A/C "3"</b>		Division <b>OIL CONSERVATION DIVISION</b>	
Section <b>H</b>	Range <b>33</b>	Meridian <b>17 S</b>	Block <b>35 E</b>	County <b>SANTA FE</b>	
Actual Section Location of Well <b>2310</b> feet from the <b>North</b> line and <b>580</b> feet from the <b>East</b> line					
Ground Type <b>3936.0</b>	Formation <b>Glorieta</b>	Fluid <b>Vacuum - Glorieta</b>	Estimated Acreage <b>40</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_  
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. **R35E**



**CERTIFICATION**

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

Name: *Thomas F. Zaparka*  
**Thomas F. Zaparka**

Position:  
**Production Engineer**

Company:  
**Marathon Oil Company**

Date:  
**November 18, 1982**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed:  
**11/17/82**

Registered Professional Engineer and Land Surveyor

*John W. West*

Certificate No  
**JOHN W. WEST NO. 676**

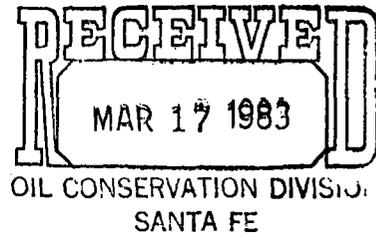
Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983

Phillips Petroleum Company  
4001 Penbrook  
Odessa, Texas 79762



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

A handwritten signature in cursive script that reads 'W. D. Holmes'.

W. D. Holmes  
District Operations Engineer

DAB/cb

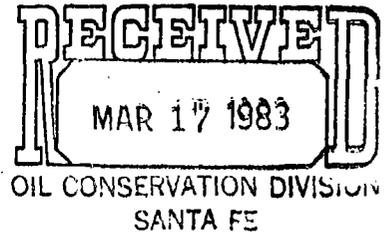
Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983

Shell Oil Company  
P. O. Box 1579  
Midland, Texas 79702



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

*W. D. Holmes*

W. D. Holmes  
District Operations Engineer

DAB/cb

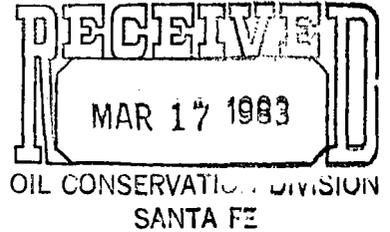
Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983

Chevron U.S.A., Inc.  
P. O. Box J  
Concord, California 94524



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

A handwritten signature in cursive script that reads 'W. D. Holmes'.

W. D. Holmes  
District Operations Engineer

DAB/cb

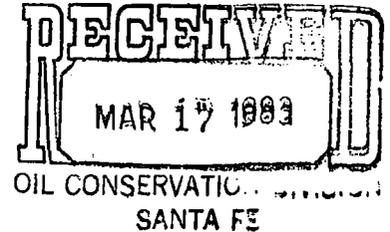
Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983

Mobil Oil Producing Texas & New Mexico, Inc.  
9 Greenway Plaza  
Suite 2700  
Houston, Texas 77046



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

A handwritten signature in cursive script that reads 'W. D. Holmes'.

W. D. Holmes  
District Operations Engineer

DAB/cb

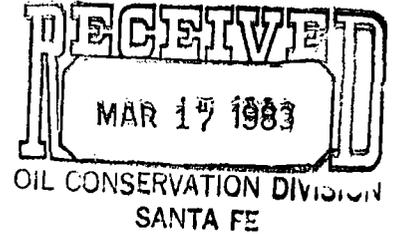


Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983



State of New Mexico  
Energy & Mineral Department  
Oil Conservation Division  
Santa Fe, New Mexico 87501

RE: Request for Administrative Procedure -  
Natural Gas Policy Act Infill Finding

Gentlemen:

Marathon Oil Company recently drilled the Warn State A/C 3 Well No. 9 in the Vacuum Glorieta Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, which is on the same 40 acre proration unit. The second well was necessary on this proration unit due to the inability of the first well to produce the reserves which remain under the proration unit. Well No. 8 was spudded on August 10, 1974, completed on October 8, 1974, and produced until August, 1979, at which time the well was producing 100 percent water. Several unsuccessful attempts were made to restore the well to an economic status by shutting off the excessive water production. The well was temporarily abandoned in December, 1979. Cumulative production from the well was 27,000 B0 and 99 MMCFG.

Warn State A/C 3 Well No. 9 was spudded on December 20, 1982, drilled to a total depth of 6200' and completion work is currently in progress. The Glorieta formation was encountered approximately 17 feet higher than in Well No. 8 and logs indicate the porosity is developed higher in the formation. Based on log data of Well No. 9 the recoverable reserves are estimated to be 173,779 B0 and 218 MMCFG.

$h = 25$  feet

net feet of pay from log of Warn State  
A/C 3 Well No. 9

$\phi = 10\%$

calculated from log of Warn State A/C 3  
Well No. 9

$S_w = 30\%$

calculated from log of Warn State A/C 3  
Well No. 9

BOI = 1.25                      Standing correlation  
A = 40                           drainage area  
GOR = 1255                      production history of Glorieta Wells on  
                                    the Warn State A/C 3 Lease  
  
Recovery factor = 40% assumed  
  
STOIP =                       $\frac{7758 \times 40 \times 25 (0.10) (1 - 0.30)}{1.25}$   
  
STOIP = 434,448 BO  
  
Recoverable OIP = 434,448 x 0.40 = 173,779 BO  
  
Recoverable GAS = 173,779 x 1255 = 218.092 MMCF

Attached is data that is relevant to the determination of additional reserves that will be recovered from the Warn State A/C 3 Well No. 9 including:

Computer Processed Log  
Structure Map of Glorieta  
Cross Section of Glorieta  
C-101  
C-102  
Notification of Offset Operators

All Offset Operators have been notified by certified mail. If additional information or clarification is necessary, please contact me.

Sincerely,

MARATHON OIL COMPANY

*W. D. Holmes*

W. D. Holmes  
District Operations Engineer

DAB/cb

Enclosures

WELLS PREVIOUSLY PRODUCED FROM PRORATION UNIT

Warn State A/C 3 Well No. 5

OPERATOR: Marathon Oil Company

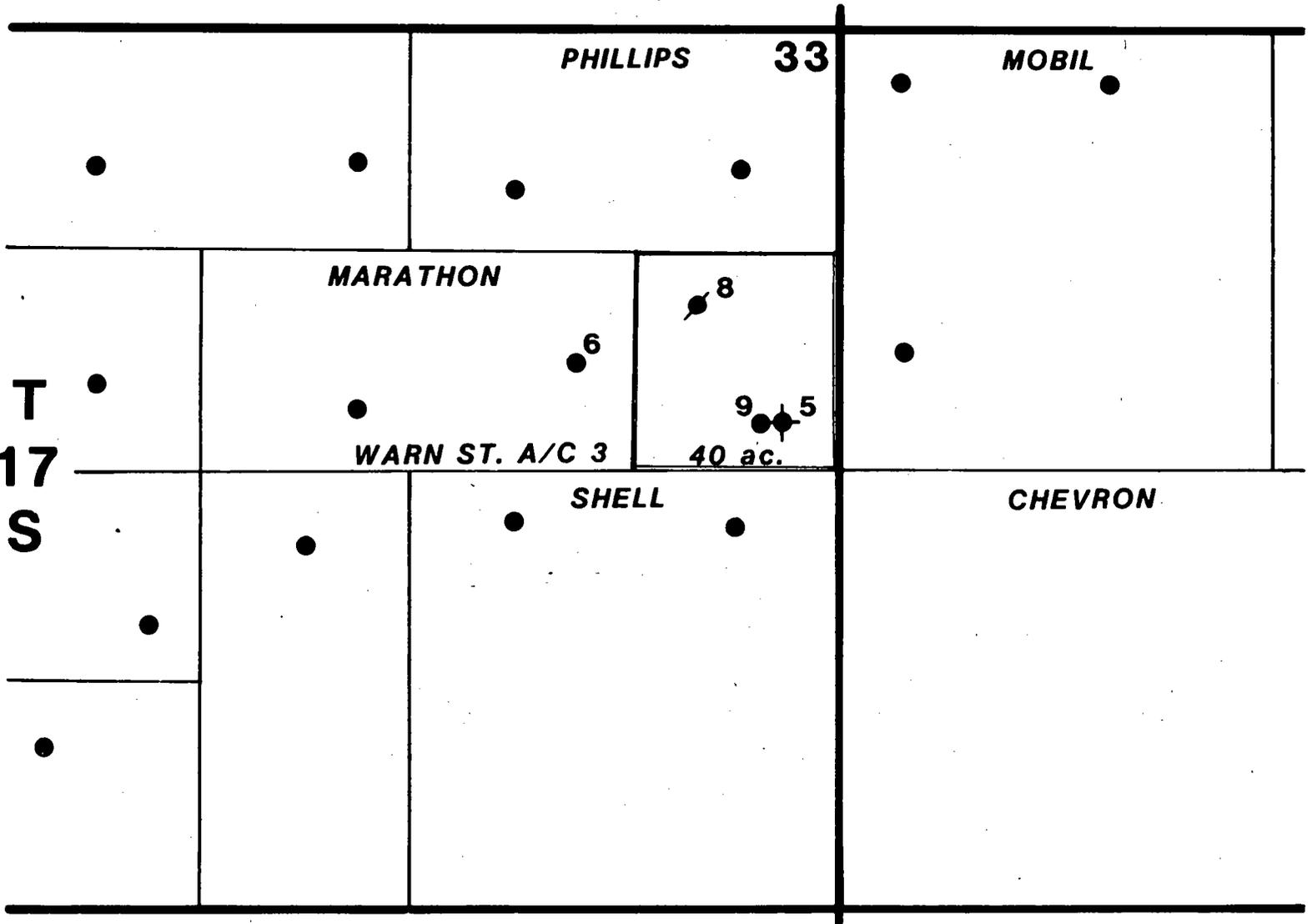
This well was drilled and completed in 1963 as a dual Glorieta-Abo oil producer. The Glorieta flowed on potential test at a rate of 135 BOPD and 14 BWPD. The well was produced as a dual completion until May of 1974. February 1, 1967 the Abo zone was unitized with Phillips Petroleum as operator. As per unit agreement the Abo unit had first call on the wellbore. In 1974, communication problems between the two zones were detected and the Glorieta zone was cement squeezed and the wellbore was turned over to the Vacuum Abo Reef Unit. The cumulative production from the Glorieta was 231,715 BO, 176 MMCFG, and 53,479 BW.

Warn State A/C 3 Well No. 8

OPERATOR: Marathon Oil Company

This well was drilled in 1974 as a replacement well for Warn State A/C 3 Well No. 5. The well potential tested 26 BO, 58 MCF and 60 BWPD. It was a rather poor producer due to the porosity development low in the formation. It produced until 1979 when it was shut in due to 100 percent water production. Several attempts were made to put the well back on production, but were unsuccessful. The cumulative production was 27,000 BO and 99 MMCFG.

# R-35-E



NOTE: GLORIETA WELLS ONLY



HOUSTON DIVISION  
MIDLAND DISTRICT

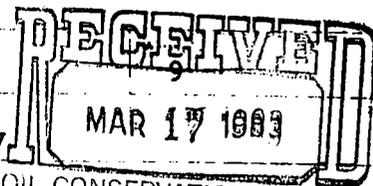
## VACUUM GLORIETA LEA COUNTY, NEW MEXICO



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section



Marathon Oil Co. Warn State A/C "3"  
 H 33 17 S 35 E Lea County  
 2310 North 580 feet from the East  
 3936.0 Glorieta Vacuum - Glorieta 40

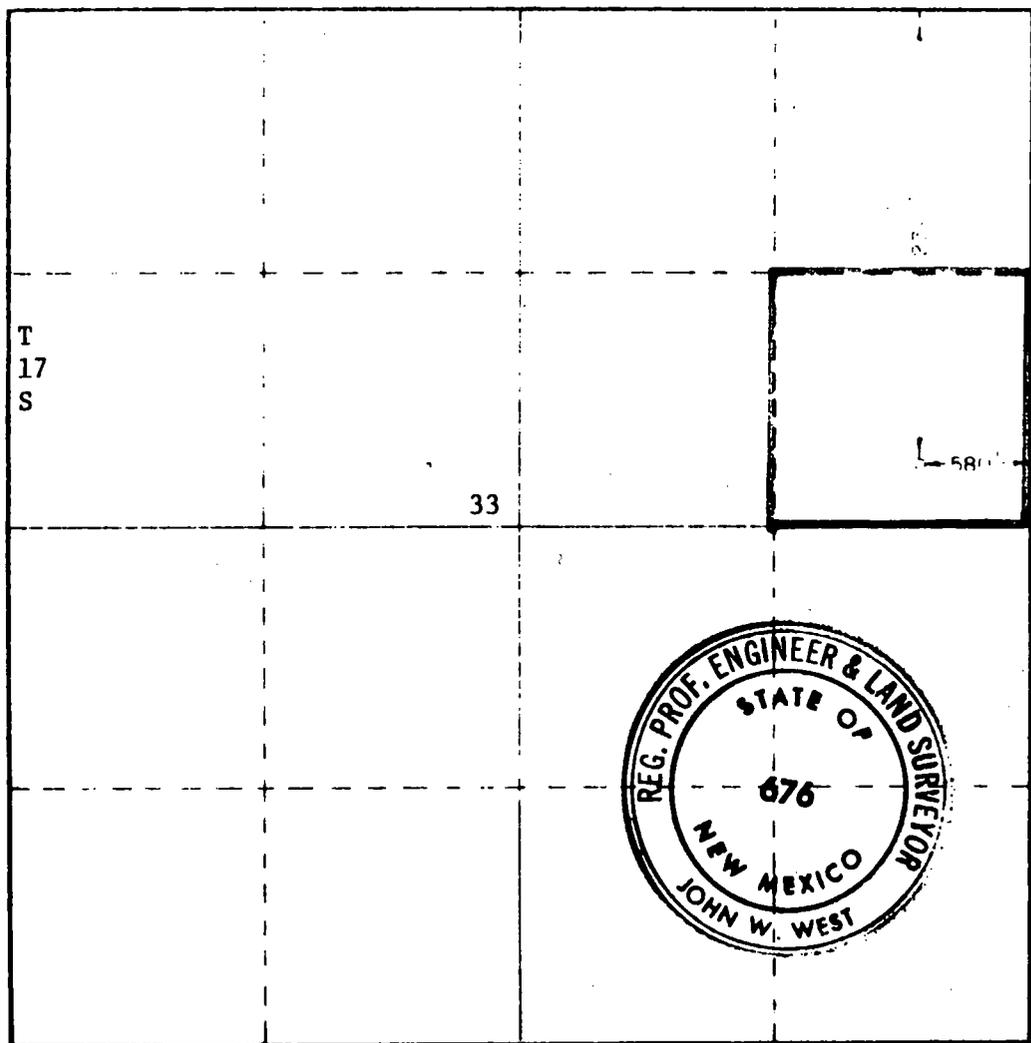
- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force pooling, etc?

Yes  No  If answer is "yes," type of consolidation \_\_\_\_\_

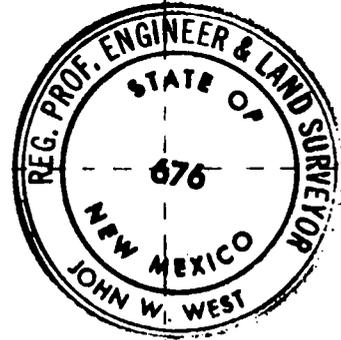
If answer is "no," list the owners and tract descriptions which have actually been consolidated (if so reverse side of this form if necessary) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

R35E



T  
17  
S



CERTIFICATION

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

Thomas F. Zaparka  
 Production Engineer  
 Marathon Oil Company

November 18, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: 11/17/82  
 Registered Professional Engineer and Land Surveyor

John W. West

Certificate No. JOHN W. WEST NO. 676

File Sharon

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101 Revised 11-65

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S.G.S.	
IND OFFICE	
OPERATOR	

RECEIVED  
MAR 17 1983

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
B-1713

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work

Type of Well DRILL  DEEPEN  PLUG BACK

OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

Name of Operator  
Marathon Oil Company

Address of Operator  
P.O. Box 2409, Hobbs, New Mexico 88240

Location of Well UNIT LETTER H LOCATED 2310 FEET FROM THE North LINE

580' FEET FROM THE East LINE OF SEC. 33 TWP. 17S RGE. 35E NMPM

12. County  
Lea

19. Proposed Depth 6200' 19A. Formation Glorieta 20. Rotary or C.T. Rotary

Elevation (Show whether D.F., R.T., etc.) 3936' GR 21A. Kind & Status Plug. Bond Current 21B. Drilling Contractor N/A 22. Approx. Date Work will start December 10, 1982

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	9 5/8"	32.3#	1500'	700 sx	Circulate
8 3/4"	5 1/2"	15.5#	6200'	750 sx	Circulate

Drill 12 1/4" hole to  $\pm$  1500' and set 9 5/8" casing. Nipple up and test Hydril, pipe and blind rams, drill 8 3/4" hole to  $\pm$  6200'. Log open hole interval, run and set 5 1/2" production casing.

Inclination surveys will be taken at least every 500 feet.

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE WIDOWHOUT PREVENTER PROGRAM, IF ANY.

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

Signed Thomas F. Zapatka Title Production Engineer Date November 18, 1982

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY:

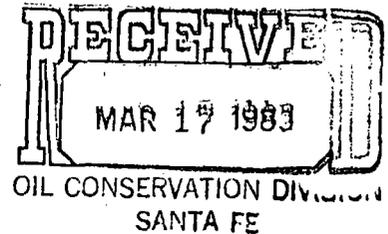
Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983

Phillips Petroleum Company  
4001 Penbrook  
Odessa, Texas 79762



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

*W. D. Holmes*

W. D. Holmes  
District Operations Engineer

DAB/cb

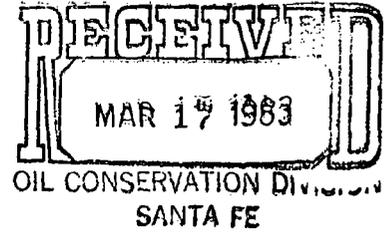
Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983

Shell Oil Company  
P. O. Box 1579  
Midland, Texas 79702



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

*W. D. Holmes*

W. D. Holmes  
District Operations Engineer

DAB/cb



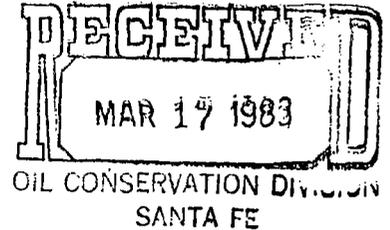
**Marathon  
Oil Company**

Midland District  
Houston Division  
Production Exploration, United States

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

March 14, 1983

Chevron U.S.A., Inc.  
P. O. Box J  
Concord, California 94524



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

*W. D. Holmes*

W. D. Holmes  
District Operations Engineer

DAB/cb

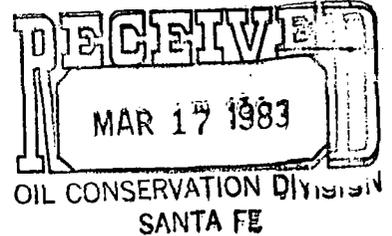
Midland District  
Houston Division  
Production Exploration, United States



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

March 14, 1983

Mobil Oil Producing Texas & New Mexico, Inc.  
9 Greenway Plaza  
Suite 2700  
Houston, Texas 77046



Offset Operators:

Marathon Oil Company has requested administrative approval for a Natural Gas Policy Act Finding for a second well on a 40 acre proration unit in the Vacuum (Glorieta) Field. The well was drilled as a replacement well for the Warn State A/C 3 Well No. 8, Section 33, T-17-S, R-35-E. The Warn State A/C 3 No. 8 is currently non-productive and will be plugged and abandoned.

Sincerely,

A handwritten signature in cursive script that reads 'W. D. Holmes'.

W. D. Holmes  
District Operations Engineer

DAB/cb