

CASE 1782: Application of GULF for  
an oil-oil dual of its Eunice King  
No. 10 - Lea County, New Mexico.

Case No.

1782

Application, Transcript,  
Small Exhibits, Etc.

BEFORE THE  
JOINT CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE 1732

TRANSCRIPT OF HEARING

OCTOBER 7, 1959

STATE OF TEXAS  
 CIVIL SERVICE COMMISSION  
 1001 R. F. FARMER  
 AUSTIN, TEXAS

TESTIMONY OF:

GULF Oil Corporation, et al. To examine the oil-  
 field in the above-mentioned, in the above-  
 named county, and to determine the  
 dual completion of its unique field No. 1.  
 Located on the west side of the field and  
 feet from the line of Section 24, Township  
 11 South, Range 3 East, Lea County, New Mexico.  
 In such a manner as to obtain and produce oil  
 from the Powder Pool and to determine if  
 oil from the Powder Pool is such as to  
 sustain or sustain.

BY:

Exhibit A, et al.

THE STATE OF TEXAS

MR. UTH: The hearing will now be in order, please. The  
 first case on the docket will be Case 1112, the next Case 1113, and then  
 in chronological order after that.

MR. PAYNE: Case 1112. Application of Gulf Oil Cor-  
 poration for an oil-field completion.

Mr. Examiner, Gulf Oil Corporation has requested that this  
 case be continued to the next scheduled hearing session, which  
 will be on October 11th.

MR. UTH: To have objection to 7th's application

Phone CHapel 3-6491

No. 37-59

DOCKET: EXAMINER'S Docket Number 28, 1959

Oil Conservation Commission - 9 a.m., Mabry Hall, State Capitol, Santa Fe, New Mexico

The following cases will be heard before Daniel S. Nutter, Examiner, or A. L. Porter, Jr., Secretary.

CONTINUED CASES

CASE 1761: Application of Stanton Oil Company, Ltd., for a pilot water flood project. Applicant, in the above-styled cause, seeks an order authorizing it to institute a pilot water flood project in the Turkey Track Pool in Eddy County, New Mexico, by the injection of water into the Queen formation through four wells located in Section 34, Township 18 South, Range 29 East.

CASE 1782: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Eunice King Well No. 16, located 660 feet from the North line and 1980 feet from the East line of Section 28, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Wantz-Abo Pool through parallel strings of tubing.

NEW CASES

CASE 1792: Application of Amerada Petroleum Corporation for an oil-oil dual completion and for three non-standard oil proration units. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Federal "B" Well No. 2, located approximately 1983 feet from the North line and approximately 548.5 feet from the East line of Section 11, Township 13 South, Range 38 East, Lea County, New Mexico, in such a manner as to produce oil from the Bronco Siluro-Devonian Pool and oil from an undesignated Mississippian pool. Applicant further proposes the establishment of three 40-acre non-standard oil proration units in the NE/4 of said Section 11. Two of such units are to be dedicated to the said Federal "B" Well No. 2, one in the Bronco Siluro-Devonian Pool, the other in an undesignated Mississippian pool. The third proposed unit is to be in the Bronco Siluro-Devonian Pool and is to be dedicated to applicant's Federal "B" Well No. 1, located approximately 1983 feet from the North line and approximately 1538.46 feet from the East line of said Section 36.

CASE 1793: Application of Argo Oil Corporation, for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for one well in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing its B. T. Lanehart Well No. 1, Unit H, Section 21, Township 25 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, to compensate for its overproduced status without being completely shut-in in order to prevent possible waste.

CASE 1794: Application of Argo Oil Corporation for a 160-acre non-standard gas proration unit. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the E/2 NE/4 of Section 21 and the W/2 NW/4 of Section 22, Township 25 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, said unit to be dedicated to its B. T. Lanehart Well No. 1, located 2310 feet from the North line and 990 feet from the East line of said Section 21.

- CASE 1795:** Application of Cities Service Oil Company for approval of a 324-acre non-standard gas production unit. Applicant, in the above-styled cause, seeks the establishment of a 324-acre non-standard gas production unit in the Jalnet Gas Pool consisting of the S/2 of Section 17, Township 24 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to Lyle Oil Company's Thomas Well No. 1, located 160 feet from the South and West lines of said Section 17.
- CASE 1796:** Application of Graydige Corporation for a capacity allowable for one well in a water flood project. Applicant, in the above-styled cause, seeks an order authorizing a capacity allowable for the Ventana State Well No. 1206 located in the NE/4 NE/4 of Section 28, Township 18 South, Range 28 East, Artesia Water Flood Project No. 1, Eddy County, New Mexico.
- CASE 1797:** Application of Graydige Corporation for a dual completion-producing well. Applicant, in the above-styled cause, seeks permission to dually complete its Western-Yates State Well No. 1, located in the SW/4 NE/4 of Section 28, Township 18 South, Range 28 East, Eddy County, New Mexico, in such a manner as to permit the injection of water into the "linear" zone of the Grayburg formation in the Artesia Pool through the casing-tubing annulus and the production of oil from the "Longhorn" zone in the Artesia Pool through tubing.
- CASE 1798:** Application of Great Western Drilling Company for approval of a unit agreement and for approval of a pilot water flood project. Applicant, in the above-styled cause, seeks an order approving its Rock Queen Unit Agreement, which unit comprises approximately 4940 acres in Township 13 South, Ranges 31 and 32 East, Chaves and Lea Counties, New Mexico. Applicant proposes to institute a pilot water flood project on said Rock Queen Unit in the Caprock-Queen Pool by the injection of water into the Queen formation through six injection wells located in Sections 22 and 27, Township 13 South, Range 31 East. Applicant further seeks the establishment of an administrative procedure whereby additional wells on the unit may be converted to water injection.
- CASE 1799:** Application of Magnolia Petroleum Company for permission to commingle the production from six separate pools. Applicant, in the above-styled cause, seeks authority to commingle the production from the Brinson Pool, Drinkard Pool, Hare Pool, Warren-Abo Pool, Blinberry Gas Pool and Tubb Gas Pool underlying its E. O. Carson Lease comprising the W/2 SW/4 and SE/4 SW/4 of Section 28 and the SW/4 NE/4 and the NW/4 of Section 33, all in Township 21 South, Range 37 East, Lea County, New Mexico. Applicant proposes to separately meter the production from each pool prior to commingling.
- CASE 1800:** Application of Sunray Mid-Continent Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Dr. Hardy Well No. 2, located 1980 feet from the North line and 1980 feet from the West line of Section 29, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Parose-Skelly Pool and the production of oil from the Drinkard Pool through cased strings of tubing.
- CASE 1801:** Application of Tervaco Inc. for an order to be pooling the interests in a 241-acre non-standard gas production unit in the Eumott Gas Pool. Applicant, in the above-styled cause, holder of a 241-acre non-standard gas production unit in the Eumott Gas Pool consisting of the NE/4 of Section 5, Township

Docket No. 37-59

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20 South, Range 37 East, and the S/2 SE/4 of Section 32, Township 19 South, Range 37 East, all in Lea County, New Mexico, seeks an order force-pooling all of the interests in said unit within the vertical limits of the Eumont Gas Pool, including interests of the following persons who have not consented to communitization: Kenneth F. Duncan; Walter L. Gockley; Eudeana B. Newcomb; Roy H. Nicolai, Administrator of Hal M. Nicolai Estate; Mrs. Frances L. Kramer; J. L. Reed; Estate of Dr. Ralph Sullivan, Edward A. Golden, Administrator; G. T. Hanners.

CASE 1802:

Application of John H. Trigg for an automatic custody transfer system and for permission to produce more than 16 wells into a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing it to install an automatic custody transfer system to handle the production from all Caprock-Queen wells on its Federal Trigg Lease in Sections 4 and 9, Township 14 South, Range 31 East, Chaves County, New Mexico.



BEFORE THE  
OIL CONSERVATION COMMISSION

Santa Fe, New Mexico  
October 28, 1959

EXAMINER HEARING

In the Matter of:

Case No. 1782

DEARNLEY, MEIER & ASSOCIATES  
INCORPORATED  
GENERAL LAW REPORTERS  
ALBUQUERQUE, NEW MEXICO  
3-6691 5-5546

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
October 28, 1959

EXAMINER HEARING

IN THE MATTER OF:

Application of Gulf Oil Corporation for an oil-oil  
dual completion. Applicant, in the above-styled  
cause, seeks an order authorizing the dual comple-  
tion of its Eunice King Well No. 10, located 660  
feet from the North line and 1980 feet from the  
East line of Section 28, Township 21 South, Range  
37 East, Lea County, New Mexico, in such a manner  
as to permit the production of oil from the  
Paddock Pool and the production of oil from the  
Wantz-Abo Pool through parallel strings of tubing.

Case  
1782  
(Cont)

BEFORE:

Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

MR. NUTTER: The next case will be Case 1782.

MR. PAYNE: Mr. Examiner, Gulf had requested that this  
case be dismissed.

MR. NUTTER: Without objection, Gulf's application in  
Case 1782 will be dismissed.



STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO ) ss

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 10 day of November, 1959.

\_\_\_\_\_  
Notary Public-Court Reporter

My commission expires:  
June 19, 1963.

I have examined the foregoing is  
a true and correct copy of the proceedings in  
New Mexico Oil Conservation Commission  
held at Santa Fe, New Mexico, on 10-28, 1959.

\_\_\_\_\_  
Examiner  
New Mexico Oil Conservation Commission

DEARNLEY-MEIER REPORTING SERVICE, Inc.  
ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691



BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE No. 1782  
Order No. R-1516

APPLICATION OF GULF OIL CORPORATION  
FOR AN OIL-OIL DEAL COMPLE-  
TION IN THE PADDOCK POOL AND THE  
SANTZ-ABO POOL, LEA COUNTY, NEW  
MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 28, 1959, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 30th day of October, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Gulf Oil Corporation, requested that Case No. 1782 be dismissed.

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Case No. 1782  
Order No. A-1816

IT IS THEREFORE ORDERED:

That Case No. 1782 be and the same is hereby dismissed.

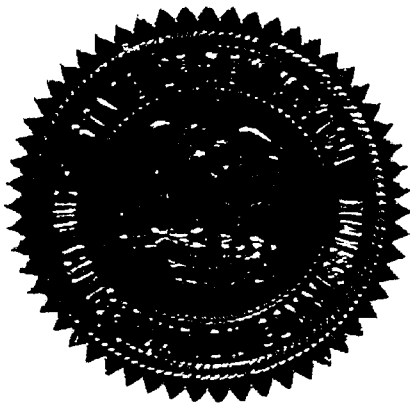
DONE at Santa Fe, New Mexico on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*John T. Burroughs*  
JOHN BURROUGHS, Chairman

*Murray E. Morgan*  
MURRAY E. MORGAN, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary



lcr/



PETROLEUM AND ITS PRODUCTS

ROSWELL DISTRICT

W. A. SHELLSHEAR  
District Manager

E. S. GREAR  
District Exploration Manager

M. I. TAYLOR  
District Production Manager

G. A. PRICE  
District Services Manager

GULF OIL CORPORATION

P. O. DRAWER 669 — ROSWELL, NEW MEXICO

October 14, 1959

FORT WORTH  
PRODUCTION DIVISION

Oil Conservation Commission  
State of New Mexico  
Post Office Box 871  
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Reference is made to Gulf's application in Case 1782 continued to the Examiner Hearing on October 28, 1959, whereby we were requesting approval for an oil-oil dual completion on our Eunice King Well No. 10, located in Section 28, Township 21 South, Range 37 East, Lea County, New Mexico.

It is respectfully requested that our application in Case 1782 be dismissed. We wish to thank the Commission for their kind consideration in this matter and regret the inconvenience that we have caused you.

Yours very truly,

W. A. Shellshear

*Received  
10/20/59  
+ 10/20/59*

*10/20/59*

OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Date 10-8-59

CASE 1782

Hearing Date 10-7-59

My recommendations for an order in the above numbered cases are as follows:

*Continue this case to the October 28  
hearing as requested by operator.*

*Ed J. [unclear]*

\_\_\_\_\_  
Staff Member



PETROLEUM AND ITS PRODUCTS

**ROSWELL DISTRICT**

**W. A. SHELLSHEAR**  
District Manager

**E. S. GREAR**  
District Exploration Manager

**M. I. TAYLOR**  
District Production Manager

**G. A. PRICE**  
District Services Manager

**GULF OIL CORPORATION**

**P. O. DRAWER 669 — ROSWELL, NEW MEXICO**

September 30, 1959

**FORT WORTH  
PRODUCTION DIVISION**

Oil Conservation Commission  
State of New Mexico  
Post Office Box 871  
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Re: CASE 1782: Application of  
Gulf Oil Corporation for an  
Oil-Oil Dual Completion of  
its Eunice King Well No. 10  
in the Wantz-Abo and Paddock  
Pools, Section 28-21S-37E,  
Lea County, New Mexico

Gentlemen:

Gulf Oil Corporation respectfully requests that  
the subject Case 1782, which is scheduled for the examiner  
hearing October 7, 1959, be continued until the next sched-  
uled examiner hearing.

Yours very truly,

GULF OIL CORPORATION

W. A. Shellshear



DOCKET: EXAMINER HEARING OCTOBER 7, 1959

OIL CONSERVATION COMMISSION - 9 a.m., Mabry Hall, State Capitol, Santa Fe, New Mexico

The following cases will be heard before Elvis A. Utz, Examiner, or A. L. Porter, Jr., Secretary-Director.

- CASE 1782: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Eunice King Well No. 10, located 660 feet from the North line and 1980 feet from the East line of Section 28, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Wantz-Abo Pool through parallel strings of tubing.
- CASE 1783: Application of Skelly Oil Company for an amendment of Order No. R-1237. Applicant, in the above-styled cause, seeks an order amending Order No. R-1237 to provide that new wells in the Otero-Gallup Oil Pool in Rio Arriba County be given 60 days after completion in which to make beneficial use of the produced casinghead gas.
- CASE 1784: Application of Tennessee Gas Transmission Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Glen Callow Well No. 8, located 890 feet from the South line and 1850 feet from the East line of Section 27, Township 29 North, Range 13 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from an undesignated Dakota gas pool through parallel strings of tubing.
- CASE 1785: Application of Whitehall Oil Company, Inc., for an unorthodox oil well location. Applicant, in the above-styled cause, seeks an order authorizing an unorthodox oil well location adjacent to the Allison-Pennsylvanian Pool, at a point 1980 feet from the North line and 660 feet from the West line of Section 14, Township 9 South, Range 36 East, Lea County, New Mexico.
- CASE 1786: Application of The Atlantic Refining Company for two non-standard oil proration units and for two unorthodox oil well locations. Applicant, in the above-styled cause, seeks the establishment of two 40-acre non-standard oil proration units in the Horseshoe-Gallup Oil Pool, one to consist of a portion of the W/2 W/2 of Section 33, the other to consist of a portion of the W/2 SW/4 of Section 28, both in Township 31 North, Range 16 West, San Juan County, New Mexico. The respective unit wells are to be located on unorthodox locations 1980 feet from the South line and 386 feet from the West line of said Section 33 and 660 feet from the South line and 386 feet from the West line of said Section 28.
- CASE 1778: Application of Olsen Oils, Inc., for an exception to the over-production shut-in provisions of Order R-520, as amended by Order R-967, for four wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:

Dick No. 14-51

Case 1778: (Cont.)

Cooper B Well No. 2, NE/4 NW/4 of Section 14,  
T-24-S, R-36-E.

Myers B Well No. 1, SE/4 NW/4 of Section 13,  
T-24-S, R-36-E,

S. R. Cooper Well No. 1, SE/4 NE/4 of Section 23,  
T-24-S, R-36-E,

Winningham Well No. 3, NE/4 SE/4 of Section 30,  
T-25-S, R-37-E,

All in Lea County, New Mexico.

CASE 1779:

Application of Jal Oil Company for an exception to the overproduction shut-in provisions of Order R-520, as amended by Order R-967, for seven wells in the Jalmat Gas Pool. Applicant, in the above-styled cause, seeks an order allowing the following-described wells in the Jalmat Gas Pool to compensate for their overproduced status without being completely shut-in in order to prevent possible waste:

Legal Well No. 2, NE/4 SE/4 of Section 21,  
Dyer Well No. 3, SE/4 NE/4 of Section 31,  
Jenkins Well No. 1, SW/4 SW/4 of Section 29,  
Jenkins Well No. 2, NE/4 SW/4 of Section 29,  
Owens Well No. 1, SW/4 SW/4 of Section 21,  
Repollo Well No. 1, SW/4 NW/4 of Section 28,

all in Township 25 South, Range 37 East, and the

Watkins Well No. 2, SE/4 NE/4 of Section 25,  
Township 24 South, Range 36 East, all in Lea  
County, New Mexico.



PETROLEUM AND ITS PRODUCTS

## GULF OIL CORPORATION

P. O. DRAWER 1290 FORT WORTH 1, TEXAS

H. P. REARDON  
DIVISION  
PETROLEUM ENGINEER

7  
FORT WORTH  
PRODUCTION DIVISION

September 17, 1959

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Re: Application for Approval to Complete Gulf's Eunice King Well No. 10 as an Oil-Oil Dual, Wantz Abo and Paddock Pools, Section 28, T-21-S, R-37-E, Lea County, New Mexico

Gentlemen:

Gulf Oil Corporation respectfully submits application for permission to oil-oil dually complete subject well utilizing two strings of tubing, and requests that the Commission set this matter for Examiner Hearing at an early date. A hearing is being requested for this oil-oil dual completion as the two zones involved have not previously been approved by the Commission.

The following facts are offered in support of this application:

- (1) Gulf Oil Corporation is the owner and operator of 320-acre Eunice King Lease, which consists of the N/2 of Section 28, T-21-S, R-37-E, Lea County, New Mexico. Subject well is located 660 feet from the north line and 1980 feet from the east line of said Section 28.
- (2) The 13-3/8" casing in Gulf's Eunice King Well No. 10 was set at 297 feet and the cement was circulated. The 9-5/8" casing was set at 2850 feet with 1300 sacks. The 7" casing was set and cemented with 800 sacks at a depth of 7865 feet. Applicant proposes to plug back to a depth of 7350 feet and selectively perforate the 7" casing opposite the Abo formation in the interval 7150 to 7250 feet and in the Paddock zone from 5120 feet to 5230 feet.
- (3) If approved, the subject well will be dually completed through the use of parallel strings of tubing as shown in the diagrammatic sketch attached hereto. The two producing intervals will

*Looked  
mailed  
H. S. 9-24-59*

September 17, 1959

be separated by means of a Baker Production Packer set at approximately 7000 feet, which is capable of withstanding any differential in pressures expected to be encountered between the two producing formations.

The manner and method of the proposed dual completion is mechanically feasible and practical and the granting of this application is in the interest of conservation and the protection of correlative rights. Applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pays.

By copy of this letter of application, all offset operators are notified of the proposed dual completion.

Respectfully submitted,

GULF OIL CORPORATION

By H. P. Pearson  
Division Petroleum Engineer

cc: Oil Conservation Commission  
State of New Mexico  
P. O. Box 2045  
Hobbs, New Mexico

The Atlantic Refining Company  
P. O. Box 1610  
Midland, Texas

Continental Oil Company  
P. O. Box 427  
Hobbs, New Mexico

Magnolia Petroleum Company  
P. O. Box 2406  
Hobbs, New Mexico

The Ohio Oil Company  
P. O. Box 552  
Midland, Texas

Shell Oil Company  
P. O. Box 845  
Roswell, New Mexico


Sunray Mid-Continent Oil Corp.  
Wilco Building  
Midland, Texas

Tidewater Oil Company  
P. O. Box 1404  
Houston, Texas

*Case 108-2*



### Legend


 $\frac{10}{\text{Abo-H}}$

SCALE 1" = 3000'

13-3/8" OD Csg. at 297'

9-5/8" OD Csg. at 2850'

Proposed Paddock  
Pool Perforations

Proposed Wantz Abo  
Perforations  
7" OD Csg. at 7865'

Cemented w/300 sax  
Cement Circulated

Cemented w/1300 sax  
Top of Cement 1255'

5120'  
5230'

Baker Parallel String Anchor  
at approx. 5235'

Baker Recapture at  
approx. 6997'

Baker Packer at approx. 7000'

7150'  
7250'

Cemented w/800 sax  
Cement top at 2815'

FB TD 7350'  
TD 8040'

NOTE:  
DRAWING NOT TO SCALE

PROPOSED MECHANICAL INSTALLATION  
OIL-OIL DUAL COMPLETION  
Eunice King No. 10  
Wantz Abo & Paddock Pools  
Lea County, New Mexico  
GULF OIL CORPORATION - FT. WORTH PROD. DIV.