

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

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

NOMENCLATURE  
CASE NO. 10251 (Reopened)  
Order No. R-9476-A

IN THE MATTER OF CASE 10251 BEING  
REOPENED UPON THE APPLICATION OF  
KAISER-FRANCIS OIL COMPANY FOR THE  
CREATION OF A NEW POOL FOR THE  
PRODUCTION OF GAS FROM THE DELAWARE  
FORMATION COMPRISING THE SE/4 OF  
SECTION 8, TOWNSHIP 21 SOUTH, RANGE  
26 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on October 17 and 31, 1991, at Santa Fe, New Mexico, before Examiners David R. Catanach and Michael E. Stogner, respectively.

NOW, on this 5th day of November, 1991, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

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

(2) Division Case No. 10251, being the application of Kaiser-Francis Oil Company for the creation of a new pool for the production of gas from the Brushy Canyon member of the Delaware formation comprising the SE/4 of Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico, was originally heard by the Division on February 21, 1991.

(3) Order No. R-9476, issued in Case No. 10251 on March 26, 1991, temporarily denied the application based largely upon evidence and testimony presented by Chi Operating Inc. (Chi), which preliminarily indicated that the producing interval within the Kaiser-Francis AM Federal Well No. 1, located 660 feet from the South line and 1980 feet from the East line (Unit O) of said Section 8, was potentially oil productive within certain wells operated by Chi in Section 9, Township 21 South, Range 26 East, NMPM, and that approval of the subject application may cause reduced oil recovery and excessive waste of reservoir energy.

(4) Said Order No. R-9476 also temporarily placed the AM Federal Well No. 1 within the East Catclaw Draw-Delaware Oil Pool with an allowable of 80 barrels of oil per day and 160 MCF gas per day.

(5) Said Order No. R-9476 further provided that within six months from the date of the order, Chi was required to test the subject interval in its existing or proposed wells in order to provide data to the Division which would substantiate its claims as to the nature of the subject reservoir.

(6) This case was reopened upon application of Kaiser-Francis Oil Company, as per the provisions of said Order No. R-9476.

(7) Evidence presented by the applicant indicates that:

- a) Subsequent to the hearing on February 21, 1991, Chi has drilled and completed its Wisner State Well No. 3 and Hondo Federal No. 2 located respectively in Units E and J of said Section 9;
- b) Within the Wisner State Well No. 3, Chi has tested the interval from 4073 feet to 4087 feet at a producing rate of 43 BOPD, 95 BWPD and 235 MCF gas per day and has subsequently abandoned this zone;
- c) Within the Hondo Federal Well No. 2, Chi has tested the interval from 4098 feet to 4155 feet; however, the results of said test are not known, and Chi has also subsequently abandoned this zone;
- d) Chi has not tested the subject zone in its Oxy State Well No. 1 and its Wisner State Well No. 1.

(8) The applicant presented further geologic evidence and testimony to support its contention that the intervals tested in the Wisner State No. 3 and the Hondo Federal No. 2 are not the same interval currently being produced in the AM Federal No. 1.

(9) The geologic evidence currently available is insufficient to conclude that the AM Federal Well No. 1 has not discovered a separate and distinct gas reservoir in the Brushy Canyon member of the Delaware formation.

(10) Testimony by the applicant further indicates that it has been in communication with Chi, and that Chi no longer objects to the application.

(11) Chi did not appear at the hearing in opposition to the application.

(12) Approval of the subject application will allow the applicant the opportunity to produce its just and equitable share of the gas in the subject reservoir, will prevent waste, and will protect correlative rights.

(13) A new pool for the production of gas from the Delaware formation should be created and designated the Soapberry Draw-Delaware Gas Pool. Said pool should comprise the SE/4 of Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico.

(14) The East Catclaw Draw-Delaware Oil Pool should be contracted by the deletion therefrom of the SE/4 of said Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico.

**IT IS THEREFORE ORDERED THAT:**

(1) The application of Kaiser-Francis Oil Company for the creation of a new pool for the production of gas from the Brushy Canyon member of the Delaware formation comprising the SE/4 of Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico, is hereby approved.

(2) Said pool is hereby designated the Soapberry Draw-Delaware Gas Pool.

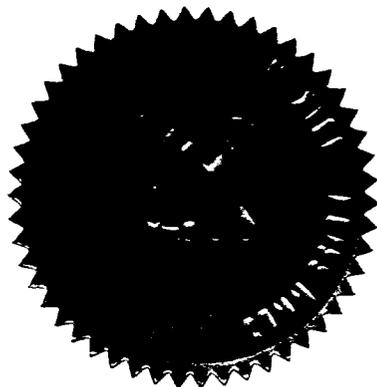
(3) The East Catclaw Draw-Delaware Oil Pool is hereby contracted by the deletion therefrom of the SE/4 of said Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico.

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

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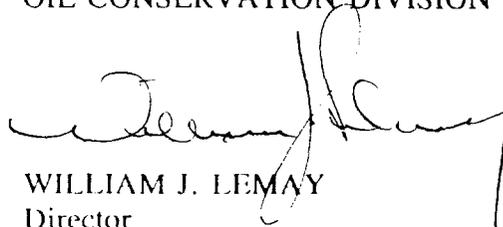
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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



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STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY  
Director

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

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

NOMENCLATURE  
CASE NO. 10251  
Order No. R-9476

APPLICATION OF KAISER-FRANCIS  
OIL COMPANY FOR POOL CREATION,  
EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on February 21, 1991, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 26th day of March, 1991, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

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

(2) The applicant, Kaiser-Francis Oil Company, seeks the creation of a new pool for the production of gas from the Brushy Canyon member of the Delaware formation comprising the SE/4 of Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico.

(3) The applicant has recently drilled its AM Federal Well No. 1 located 660 feet from the South line and 1980 feet from the East line (Unit O) of said Section 8, and has completed said well in the Brushy Canyon member of the Delaware formation through perforations from approximately 4046 feet to 4062 feet.

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(4) According to applicant's evidence, said AM Federal Well No. 1 was tested December 4, 1990 at a producing rate of approximately 973 MCFG and 3 barrels of oil per day (producing GOR of 319,667).

(5) The applicant contends that the AM Federal Well No. 1 has discovered a separate gas reservoir in the Brushy Canyon, and that said reservoir is very limited in extent.

(6) The subject well is located within one mile of the outer boundary of the East Catclaw Draw-Delaware Oil Pool which was created by the Division on February 1, 1991, by Order No. R-9418, and which currently comprises the W/2 of Section 9, Township 21 South, Range 26 East, NMPM.

(7) Chi Operating Inc. (Chi), an offset operator who currently operates several wells in Section 9 within the East Catclaw Draw-Delaware Oil Pool appeared at the hearing in opposition to the application.

(8) Chi presented geologic evidence and testimony to support its contentions that:

- a) the producing interval in the AM Federal Well No. 1 is present in its Oxy State Well No. 1 and its Wisner State Well No. 1 located, respectively, in Units K and F of Section 9;
- b) the producing interval is oil bearing underlying its acreage in Section 9;
- c) the AM Federal Well No. 1 may be producing from a gas cap within the oil reservoir;
- d) allowing the AM Federal Well No. 1 to produce unrestricted as a gas well may be detrimental to the reservoir and decrease ultimate oil recovery.

(9) The geologic evidence presented in this case does indicate that the producing zone in the AM Federal Well No. 1 is present in at least two wells operated by Chi in the W/2 of Section 9, being the Oxy State Well No. 1 and Wisner State Well No. 1.

(10) The evidence further indicates that the producing zone is likely to be productive in said Oxy State Well No. 1 and Wisner State Well No. 1.

(11) The evidence, however, is insufficient at this time to determine whether the producing interval is an oil reservoir with a gas cap or is a limited gas reservoir.

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(12) The Oxy State Well No. 1 and the Wisner State Well No. 1 are currently completed and are producing from perforated intervals located, respectively, at 3074 feet to 3098 feet and 2724 feet to 2738 feet, and therefore, Chi is reluctant at this time to abandon said producing intervals in order to test the zone in question.

(13) Further evidence presented at the hearing indicates that Chi plans to drill several additional Delaware wells within Section 9 in the near future.

(14) In order to prevent possible reduced oil recovery and the waste of reservoir energy which may occur if the AM Federal Well No. 1 is allowed to produce unrestricted as a gas well, the subject application should be temporarily denied until such time as further evidence is available as to the nature of the subject reservoir.

(15) Chi has the opportunity and should be required to test the subject reservoir in its existing or proposed wells in order to obtain additional data to substantiate its claims as to the nature of the subject reservoir.

(16) Within six months from the date of this order, Chi should be required to submit to the applicant and to the Division, the additional data described in Finding No. (15) above, and at such time, the applicant, or the Division upon its own motion, may reopen this case to reexamine and determine the most prudent method of producing the reserves in the subject reservoir.

(17) The AM Federal Well No. 1 should be placed within the East Catclaw Draw-Delaware Oil Pool and should be allowed to produce no more than 80 barrels of oil and 160 MCFG per day in accordance with Division Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

(1) The application of Kaiser-Francis Oil Company for the creation of a new pool for the production of gas from the Brushy Canyon member of the Delaware formation comprising the SE/4 of Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico, is hereby temporarily denied.

(2) Within six months from the date of this order, Chi Operating Inc. shall be required to submit to the applicant and to the Division, the additional data described in Finding No. (15) above, and at such time, the applicant, or the Division upon its own motion, may reopen this case to reexamine and determine the most prudent method of producing the reserves in the subject reservoir.

## NOMENCLATURE

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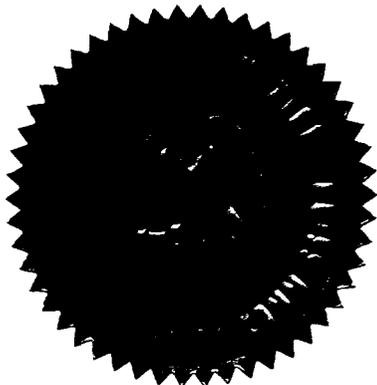
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(3) The Kaiser Francis Oil Company AM Federal Well No. 1, located 660 feet from the South line and 1980 feet from the East line (Unit O) of Section 8, Township 21 South, Range 26 East, NMPM, Eddy County, New Mexico, shall be placed within the East Catclaw Draw-Delaware Oil Pool and shall be allowed to produce no more than 80 barrels of oil and 160 MCFG per day in accordance with Division Rules and Regulations.

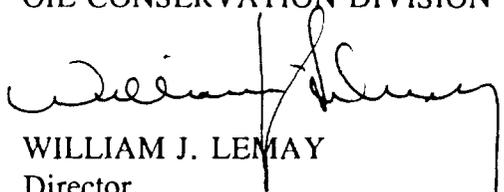
(4) Jurisdiction is hereby retained for the entry of such further orders as the Division may deem necessary.

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



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STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY  
Director