

CAMPBELL, CARR, BERGE

& SHERIDAN, P.A.

LAWYERS

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November 26, 1991

HAND-DELIVERED

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William J. LeMay, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
State Land Office Building  
Santa Fe, New Mexico 87503

NOV 26 1991

OIL CONSERVATION DIV.  
SANTA FE

Case 16421

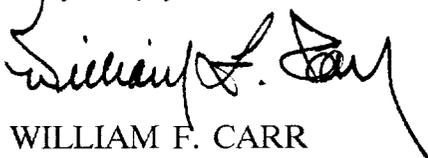
Re: Amended Application of Union Oil Company of California d/b/a UNOCAL  
for Designation of a Tight Formation, Rio Arriba County, New Mexico

Amended Application of Union Oil Company of California d/b/a UNOCAL  
for Designation of a Tight Formation, Rio Arriba County, New Mexico

Dear Mr. LeMay:

Enclosed in triplicate are the Applications of Union Oil Company of California d/b/a Unocal in the above-referenced cases. Union Oil Company of California d/b/a Unocal respectfully requests that these matters be placed on the docket for the December 19, 1991 Examiner hearings.

Very truly yours,



WILLIAM F. CARR

WFC:mlh

Enclosures

cc w/enclosures: Mr. Allen F. Buckingham  
BLM

Mr. Bill Irwin  
Union Oil Company of California

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BEFORE THE

NOV 26 1991

OIL CONSERVATION DIVISION

OIL CONSERVATION DIV.  
SANTA FE

NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

IN THE MATTER OF THE APPLICATION  
OF UNION OIL COMPANY OF CALIFORNIA  
d/b/a UNOCAL, FOR DESIGNATION  
OF A TIGHT FORMATION,  
RIO ARRIBA COUNTY, NEW MEXICO.

CASE NO. 10421

**SECOND AMENDED APPLICATION**

COMES NOW UNION OIL COMPANY OF CALIFORNIA d/b/a UNOCAL, through its undersigned attorneys, and as provided in the Oil Conservation Division's Special Rules and Procedures for Tight Formation Designation under Section 107 of the Natural Gas Policy Act of 1978 promulgated by Oil Conservation Division Order No. R-6388 on June 30, 1980, hereby makes application for an order designating certain portions of the Mesaverde formation (Blanco-Mesaverde Field) as a tight formation under Section 107 of the Natural Gas Policy Act of 1978 and in support of its application would show the Division:

1. Applicant is the owner and operator of certain interests in the Mesaverde formation (Blanco-Mesaverde Field) underlying the following described lands situated in Rio Arriba County, New Mexico:

**Township 26 North, Range 6 West, N.M.P.M.**

Section 6: All

**Township 26 North, Range 7 West, N.M.P.M.**

Sections 1 and 2: All

Sections 11 and 12: All

**Township 27 North, Range 6 West, N.M.P.M.**

Sections 16 through 23: All  
Sections 26 through 32: All

**Township 27 North, Range 7 West, N.M.P.M.**

Sections 13 and 14: All  
Section 15: E/2  
Section 22: E/2  
Sections 23 through 26: All  
Section 27: NE/4 S/2  
Section 28: S/2  
Sections 33 through 36: All

containing a total of 20,642.7 acres, more or less of federal, state and fee lands.

2. The Mesaverde formation is expected to have an estimated average in situ gas permeability throughout the pay section of less than 0.1 millidarcy per foot.

3. The average depth of the top of the Mesaverde formation is 4774 feet, and the stabilized production rate, against atmospheric pressure, of wells completed for production in said formations without stimulation, is not expected to exceed 141 mcf of gas per day.

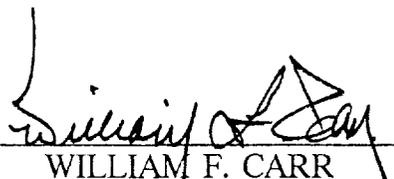
4. No well drilled into the Mesaverde formation in the above-described area is expected to produce, without stimulation, more than five barrels of crude oil per day.

WHEREFORE, Union Oil Company of California d/b/a Unocal requests that this application be set for hearing before a duly appointed Examiner of the Oil Conservation Division on December 19, 1991, and that, after notice and hearing as required by law, the Division enter its order recommending to the Federal Energy Regulatory Commission that pursuant to 18 CFR, Section 271.701 - 705 that the Mesaverde formation underlying the above-described land be designated as a tight formation, and making such other and

further provisions as may be proper in the premises.

Respectfully submitted,

CAMPBELL, CARR, BERGE & SHERIDAN, P.A.

By: 

WILLIAM F. CARR

Post Office Box 2208

Santa Fe, New Mexico 87504

Telephone: (505) 988-4421

ATTORNEYS FOR UNION OIL  
COMPANY OF CALIFORNIA  
d/b/a UNOCAL

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& SHERIDAN, P.A.  
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November 12, 1991

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William J. LeMay, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
State Land Office Building  
Santa Fe, New Mexico 87503

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OIL CONSERVATION DIV.  
SANTA FE

10421

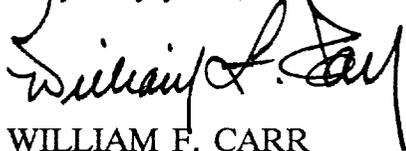
Re: Amended Application of Union Oil Company of California d/b/a UNOCAL  
for Designation of a Tight Formation, Rio Arriba County, New Mexico

Amended Application of Union Oil Company of California d/b/a UNOCAL  
for Designation of a Tight Formation, Rio Arriba County, New Mexico

Dear Mr. LeMay:

Enclosed in triplicate are the Applications of Union Oil Company of California d/b/a Unocal in the above-referenced cases. Union Oil Company of California d/b/a Unocal respectfully requests that these matters be placed on the docket for the December 5, 1991 Examiner hearings.

Very truly yours,



WILLIAM F. CARR  
WFC:mlh

Enclosures

cc w/enclosures: Mr. Allen F. Buckingham  
BLM

Mr. Bill Irwin  
Union Oil Company of California

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NOV 12 1991

OIL CONSERVATION DIV.  
SANTA FE

BEFORE THE

OIL CONSERVATION DIVISION

NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

IN THE MATTER OF THE APPLICATION  
OF UNION OIL COMPANY OF CALIFORNIA  
d/b/a UNOCAL, FOR DESIGNATION  
OF A TIGHT FORMATION,  
RIO ARRIBA COUNTY, NEW MEXICO.

CASE NO. 10421

**AMENDED APPLICATION**

COMES NOW UNION OIL COMPANY OF CALIFORNIA d/b/a UNOCAL, through its undersigned attorneys, and as provided in the Oil Conservation Division's Special Rules and Procedures for Tight Formation Designation under Section 107 of the Natural Gas Policy Act of 1978 promulgated by Oil Conservation Division Order No. R-6388 on June 30, 1980, hereby makes application for an order designating certain portions of the Mesaverde formation (Blanco-Mesaverde Field) as a tight formation under Section 107 of the Natural Gas Policy Act of 1978 and in support of its application would show the Division:

1. Applicant is the owner and operator of certain interests in the Mesaverde formation (Blanco-Mesaverde Field) underlying the following described lands situated in Rio Arriba County, New Mexico:

**Township 26 North, Range 6 West, N.M.P.M.**

Section 6: All

**Township 26 North, Range 7 West, N.M.P.M.**

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**Township 27 North, Range 6 West, N.M.P.M.**

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Section 15: E/2

Section 22: E/2

Sections 23 through 26: All

Section 27: NE/4 S/2

Section 28: S/2

Sections 33 through 36: All

containing a total of 20,642.7 acres, more or less of federal, state and fee lands.

2. The Mesaverde formation is expected to have an estimated average in situ gas permeability throughout the pay section of less than 0.1 millidarcy per foot.

3. The average depth of the top of the Mesaverde formation is 4700 feet, and the stabilized production rate, against atmospheric pressure, of wells completed for production in said formations without stimulation, is not expected to exceed 290 mcf of gas per day.

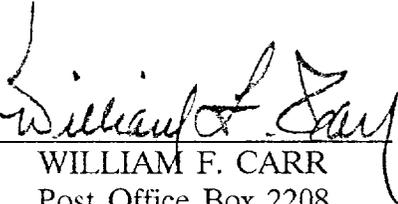
4. No well drilled into the Mesaverde formation in the above-described area is expected to produce, without stimulation, more than five barrels of crude oil per day.

WHEREFORE, Union Oil Company of California d/b/a Unocal requests that this application be set for hearing before a duly appointed Examiner of the Oil Conservation Division on December 5, 1991, and that, after notice and hearing as required by law, the Division enter its order recommending to the Federal Energy Regulatory Commission that pursuant to 18 CFR, Section 271.701 - 705 that the Mesaverde formation underlying the above-described land be designated as a tight formation, and making such other and

further provisions as may be proper in the premises.

Respectfully submitted,

CAMPBELL, CARR, BERGE & SHERIDAN, P.A.

By:   
WILLIAM F. CARR  
Post Office Box 2208  
Santa Fe, New Mexico 87504  
Telephone: (505) 988-4421

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October 29, 1991

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OIL CONSERVATION DIV.  
SANTA FE

10/29

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William J. LeMay, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
State Land Office Building  
Santa Fe, New Mexico 87503

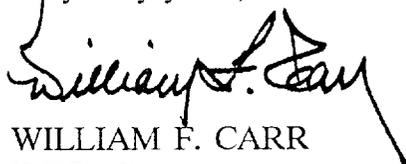
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Designation of a Tight Formation, Rio Arriba County, New Mexico

Application of Union Oil Company of California d/b/a UNOCAL for  
Designation of a Tight Formation, Rio Arriba County, New Mexico

Dear Mr. LeMay:

Enclosed in triplicate are the Applications of Union Oil Company of California d/b/a Unocal in the above-referenced cases. Union Oil Company of California d/b/a Unocal respectfully requests that these matters be placed on the docket for the November 21, 1991 Examiner hearings.

Very truly yours,



WILLIAM F. CARR  
WFC:mlh

Enclosures

cc w/enclosures: Mr. Allen F. Buckingham  
BLM

Mr. Bill Irwin  
Union Oil Company of California

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BEFORE THE

OCT 29 1991

OIL CONSERVATION DIVISION

OIL CONSERVATION DIV.  
SANTA FE

NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES

IN THE MATTER OF THE APPLICATION  
OF UNION OIL COMPANY OF CALIFORNIA  
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APPLICATION

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Sections 23 through 26: All

Section 27: NE/4 S/2

Section 28: S/2

Sections 33 through 36: All

containing a total of 20,642.7 acres, more or less of federal, state and fee lands.

2. The Dakota formation is expected to have an estimated average in situ gas permeability throughout the pay section of less than 0.1 millidarcy per foot.

3. The average depth of the top of the Dakota formation is 7350 feet, and the stabilized production rate, against atmospheric pressure, of wells completed for production in said formations without stimulation, is not expected to exceed 141 mcf of gas per day and 290 mcf of gas per day respectively.

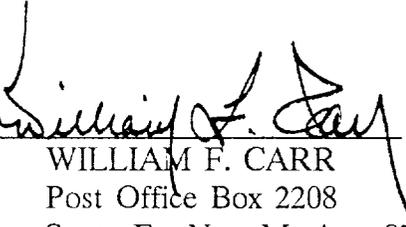
4. No well drilled into the Dakota formation in the above-described area is expected to produce, without stimulation, more than five barrels of crude oil per day.

WHEREFORE, Union Oil Company of California d/b/a Unocal requests that this application be set for hearing before a duly appointed Examiner of the Oil Conservation Division on November 21, 1991, and that, after notice and hearing as required by law, the Division enter its order recommending to the Federal Energy Regulatory Commission that pursuant to 18 CFR, Section 271.701 - 705 that the Dakota formation underlying the above-described land be designated as a tight formation, and making such other and

further provisions as may be proper in the premises.

Respectfully submitted,

CAMPBELL, CARR, BERGE & SHERIDAN, P.A.

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