| CASE 1993: Application of SINCLAIR<br>for approval of the <u>SOUTHWEST JAL</u><br>UNIT AUREEMENT, LEA COUNTY, N.N. |  |
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| EA COUNTY, N.N.  |  |

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Application, Transcripts, Small Exhibits ETC.



SINCLAIR OIL & GAS COMPANY P. O. BOX 1470 MIDLAND, TEXAS 79701 April 27, 1966

2113

WEST TEXAS REGION

1010 E 00**0** 

New Mexico Oil Conservation Commission State of New Mexico Post Office Box 2088 Santa Fe, New Mexico

29 14 8 10

RE: Southwest Jal Unit Area Lea County, New Mexico

Gentlemen:

To complete your files on the captioned, we enclose Application for Termination of subject Unit executed by all working interest owners and approved by the Commissioner of Public Lands and the U. S. Geological Survey effective as of April 1, 1966.

Very truly yours,

Jo. R. Lodle

By:

C. R. McClain

CRM/ah

Enclosure



### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WASHINGTON, D.C. 20242

#### APR 7 1966

Sinclair Oil and Gas Company P. O. Box 1470 Midland, Texas

Gentlemen:

On April 4, 1966, effective as of April 1, 1966, Arthur A. Baker, Acting Director of the Geological Survey, approved the termination of the Southwest Jal unit agreement, Lea County, New Mexico, No. 14-08-0001-8592, pursuant to the last paragraph of section 20 thereof.

Enclosed is one copy of the approved application for your records. We request that you furnish notice of this approval to each interested working interest owner, lessee, and lessor at their last known address.

Sincerely yours,

For the Director

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Enclosure

## CERTIFICATE OF TERMINATION SOUTHWEST JAL UNIT

#### LEA COUNTY, NEW MEXICO

There having been presented to the Commissioner of Public Lands of the State of New Mexico, an application for termination of the Unit Agreement for the development and operation of the <u>SOUTHWEST JAL</u> Unit Area, <u>LEA</u> County, New Mexico. The <u>SOUTHWEST JAL</u> Unit Agreement is dated <u>December 16, 1963</u>, and was approved by the Commissioner of Public Lands as of <u>February 19, 1964</u>.

The application for termination has been executed by the working interests that were committed to the <u>SOUTHWEST JAL</u> Unit Agreement, and such constitute in the aggregate seventy-five (75%) percent, or more, on an acreage basis of the working interests so committed and that provision is made for the termination of the Unit Agreement under Section <u>20</u> thereof by the owners of such a percentage of the working interests so committed to the <u>SOUTHWEST JAL</u> Unit Agreement. NOW, THEREFORE, I do approve the termination of the <u>SOUTHWEST JAL</u> Unit Agreement, the termination to be effective as of <u>April 1, 1966</u>. IN WITNESS WHEREOF, this Certificate of Approval of Termination is executed, with seal affixed, this <u>7th. day of March, 1966</u>.

9 44 AH

Commissioner of Public Lands of the State of New Mexico



MAR 4 1966 U.S. GEOLOGICAL SURVEY EXSTRAL MEN NOTICE



Termination of Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, County of Lea, State of New Mexico, and Application for Approval Thereof

No. 14-08-0001-8592

The Unit Agreement for the Development and Operation of the Southwest Jal Unit Area dated December 16, 1963, was approved on April 6, 1964, by the Acting Director of the United States Geological Survey and on February 19, 1964, by the Commissioner of Public Lands, State of New Mexico.

Whereas, the undersigned parties are the owners of more than seventyfive (75) per centum on an acreage basis of the working interests in the Southwest Jal Unit Area in Lea County, New Mexico; and

Whereas, under the terms of Section 20 of the said Unit Agreement, the Agreement may be terminated at any time by not less than seventy-five (75) per centum, on an acreage basis, of the owners of working interests signatory thereto, with the approval of the Director of the United States Geological Survey and of the Commissioner of Public Lands, State of New Mexico.

Now, therefore, the working interest owners of the Southwest Jal Unit Area agree to terminate the Unit Agreement for the Development and Operation of the Southwest Jal Unit Area and do hereby request the approval of the termination of said Unit Agreement by the Director of the United States Geological Survey and by the Commissioner of Public Lands, State of New Mexico.

This instrument may be executed in counterparts, no one of which needs to be executed by all parties.

In Witness Whereof, this instrument is executed by the undersigned parties hereto as of the respective dates set opposite their signatures.

| Date Approved APR<br>SINCLA, Effective as o | f Apri    | 11, 1966                        |                                  |
|---|-----------|---------------------------------|----------------------------------|
| Attest: Acting Director. U.S.               | Geologica | By:                             | APPROVEC<br>DE QM<br>SESSION RUS |
| Assistant Scoretary 6.<br>Dated: -8-66      | •         | R. M. Kobdish<br>Vice President | 1 Julo                           |
| Attest:                                     | ••        | Rumble Oil & Refining Company   |                                  |
| · · · · · · · · · · · · · · · · · · ·       |           | By:                             |                                  |
| Dated:                                      | •         |                                 |                                  |
| Attest:                                     |           | Cities Service Oil Company      |                                  |
| Dated:                                      | -         | By:                             |                                  |
|   |           |                                 | •<br>• .                         |

Termination of Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, County of Lea, State of New Mexico, and Application for Approval Thereof

No. 14-08-0001-8592

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Whereas, the undersigned parties are the owners of more than seventyfive (75) per centum on an acreage basis of the working interests in the Southwest Jal Unit Area in Les County, New Mexico; and

Whereas, under the terms of Section 20 of the said Unit Agreement, the Agreement may be terminated at any time by not less than seventy-five (75) per centum, on an acreage basis, of the owners of working interests signatory thereto, with the approval of the Director of the United States Geological Survey and of the Commissioner of Public Lands, State of New Mexico.

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This instrument may be executed in counterparts, no one of which needs to be executed by all parties.

In Witness Whereof, this instrument is executed by the undersigned parties hereto as of the respective dates set opposite their signatures.

| Attest:                        | Sinclair Oil & Gas Company-Ope              | rator                                    |
|--------------------------------|---|--|
| •                              |   |  |
|                                | By:<br>R. M. Kobdish                        | n an |
| Assistant Secretary            | Vice President                              |  |
| Dated:                         |   |  |
| ·                              |   |  |
| Attest:                        | Humble Oil & Refining Company               |  |
|                                | AL D.D.                                     | APPROVED                                 |
|                                | By: Fill & Jayne                            | Desc. Desc.                              |
| Dated: 12.1966                 | Bill R. Payne<br>Agent And Attorney-in-Fuct | Int. 12                                  |
| Label. <u>Activity</u> 12.1866 |   | Form                                     |
| Attest:                        | Cities Service Oil Company                  | Trade AC                                 |
|                                |   | · · · · · · · · · · · · · · · · · · ·    |
|                                | By :  |  |
| Dated:                         |   | ••••                                     |
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Termination of Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, County of Lea, State of New Mexico, and Application for Approval Thereof

No. 14-08-0001-8592

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This instrument may be executed in counterparts, no one of which needs to be executed by all parties.

In Witness Whereof, this instrument is executed by the undersigned parties hereto as of the respective dates set opposite their signatures.

| Attest:            | Sinclair Oil & Gas Company-Operator |
|--------------------|-------------------------------------|
|                    |                                     |
|                    |                                     |
|                    | By:                                 |
| ssistant Secretary | R. M. Kobdish<br>Vice President     |
| Dated:             |                                     |
| ttest:             | Humble Oil & Refining Company       |
|                    |                                     |
|                    | By:                                 |
| Dated:             |                                     |
|                    |                                     |
| ttest;             | Cities Service Oil Company          |
|                    | . In aler C thee                    |
| Dated: 2-25-66     | By: Wiley C. Hill Attorney-In-Fact  |
|                    |                                     |
|                    | •                                   |

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|             | E OIL  |     |             | Gulf Oil Corneration  |                                       |
|             | Attest:  |     |             | Gulf Oil Corporation  |                                       |
|             | Solap B  |     | Prot        | Prov  |                                       |
|             | EE8-1 8 1966   | •   |             | Attorney In Faot  |                                       |
|             | Dated  | •   | · -         |   |                                       |
|             | Attent:  |     |             | The Atlantic Refining Company                                   |                                       |
|             |  |     |             |   |                                       |
|             |  |     | By:         |   |                                       |
|             | Dated:   |     | ۰ <b>،</b>  |   |                                       |
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|             | Attest:  |     | · •         | El Paso Natural Gas Company                                     |                                       |
|             |  |     | ·           |   |                                       |
|             |  |     | Byt         |   |                                       |
|             | Dated:   |     | ,           |   |                                       |
|             | . <sup>-</sup>   |     |             |   |                                       |
|             |  |     |             | Rutter and Wilbanks Brothers,<br>a Partnership composed of Jess |                                       |
|             |  |     | •           | Wilbanks, A.W. Rutter, G.L.<br>Wilbanks and A.W. Rutter, Jr.    |                                       |
|             |  | •   |             |   |                                       |
|             | •  |     | By:         |   |                                       |
|             |  | •   |             | Partner   | • • • • • • • • • • • • • • • • • • • |
|             | Dated:   |     |             | · · · · · ·   |                                       |
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| ,           | Attest:  |     |             | Texas Pacific Oil Company,<br>a Division of Joseph E. Seagram & |                                       |
|             | and a construction of the second | •   | -           | Sons, Inc.  | •                                     |
|             |  |     | •           |   |                                       |
|             |  |     | By:         |   | •                                     |
|             | Dated:   | •   | ··· · ·     | 11<br>1 <sup>1</sup>  | •                                     |
|             |  |     | •           | 15 p  |                                       |
|             | Attest:  |     | •           | Redfern Development Corporation                                 |                                       |
|             |  |     | By:         |   |                                       |
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|             | Dated:   | •   |             | · · · · · · · · · · · · · · · · · · ·                           |                                       |
| •           | Do to d  |     |             | G. T. Nassersather Tr   |                                       |
| :<br>:      | Dated:   |     |             | C.L. Norsworthy, Jr.  |                                       |
|             | •  | •   |             |   |                                       |
|             | Dated:   | •   | . •         | Nona B. Norsworthy  |                                       |
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|                          |             | c             | Hulf Oil Corporation  |                      |                                       |
| Attest:                  |             | ĸ             |   |                      |                                       |
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|                          |             |               |   |                      | 1997 - A. A.                          |
| Dated:                   |             |               |   |                      |                                       |
|                          | -           | e i           | The Atlantic Refining Company                                   |                      |                                       |
| Attest:                  |             |               | .17) .TT.   | X                    |                                       |
|                          |             | By:           | J. J. Junny   | TX.                  |                                       |
|                          |             |               | Attorney-In-Fact  |                      |                                       |
| Dated: February 17, 1966 |             | ••            | •<br>-  | · .                  | · · ·                                 |
| -<br>                    |             |               |   |                      |                                       |
| Attest:                  |             |               | El Paso Natural Gas Company                                     | · .                  | · · ·                                 |
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|                          |             | ·             | Rutter and Wilbanks Brothers,<br>a Fartnership composed of Jess | •                    |                                       |
|                          |             |               | state and an A. W. ROTTLETLA CLAMP                              |                      | 2<br>                                 |
|                          | <i></i>     | ··· ·         | Wilbanks and A.W. Rutter, Jr.                                   | •                    |                                       |
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| -                        | •           | By:           | Partner   | <b></b>              |                                       |
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| Dated:                   |             |               |   |                      |                                       |
|                          | مرجع میں او |               | Texas Pacific Oil Company,                                      |                      |                                       |
| Attest:                  |             |               | a Division of Joseph E. Seagra                                  | m &                  |                                       |
|                          | •           | •             | Sons, Inc.  |                      | •                                     |
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| х.                       |             | By :          |   |                      |                                       |
| Dated:                   | _           |               |   |                      |                                       |
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| Attest:                  | •           |               | Redfern Development Corporatio                                  |                      |                                       |
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|                          |             |               | Nona B. Noreworthy  |                      |                                       |
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| Attest:     Dulf 011 Corporation       By:  | -2-            |    |             |  |          |     |
|---|----------------|----|-------------|--|----------|-----|
| Dated:  | t:             |    | *           | Gulf. 011 Corporation  |          |     |
| Dated:  |                |    | Bv:         |  |          |     |
| By:         Dated:  | :              | •  | -, ,        |  | •        |     |
| Dated:  | t:             |    |             | The Atlantic Refining Company  |          |     |
| AXXXXXX:       E1 Paso Natural Gas Company         Dated:       FEB 2 3 1986         Rutter and Wilbanks Brotwers,<br>a Partnership composed of Jes;<br>Wilbanks, AN. Rutter, G.L.         Wilbanks and A.W. Rutter, Jr.         By:         Partner         Dated: |                |    | By :        |  |          |     |
| Dated:       FEB 2 3 1966         By:       Attorney-in-Fact         Attorney-in-Fact       Attorney-in-Fact         Rutter and Wilbanks Brothers, a Partnership composed of Jess Wilbanks, A.W. Rutter, G.L. Wilbanks and A.W. Rutter, Jr.         By:             | 1              | •  |             |  |          |     |
| Dated:       FEB 2 3 1986         Attorney-in-Fact       Attorney-in-Fact         Rutter and Wilbanks Brothers,<br>a Pertnership composed of Jess<br>Wilbanks, A.W. Rutter, G.L.<br>Wilbanks and A.W. Rutter, Jr.         By:                                       | . <b>X</b> :   |    |             | El Paso Natural Gas Company  | <i>C</i> |     |
| Dated:       FEB 2 3 1986         Attorney-in-Fact       Attorney-in-Fact         Rutter and Wilbanks Brothers,<br>a Pertnership composed of Jess<br>Wilbanks, A.W. Rutter, G.L.<br>Wilbanks and A.W. Rutter, Jr.         By:                                       |                |    | By          | Allen prich  | (1)      |     |
| a Partnership composed of Jes;<br>Wilbanks, A.W. Rutter, G.L.<br>Wilbanks and A.W. Rutter, Jr.<br>By:<br>   | ; FEB 2 3 1966 | •  |             | and a second | eard     |     |
| Dated:  |                |    | •           | a Partnership composed of Jess<br>Wilbanks, A.W. Rutter, G.L.  |          | •   |
| Dated:  |                |    | By:         |  |          |     |
| Attest: Texas Pacific Oil Company,<br>a Division of Joseph E. Seagram &<br>Sons, Inc.<br>By:  |                |    | -•          | Partner  | •        | ·   |
| Attest: Redfern Development Corporation By: By:   |                | •  |             | ·  |          |     |
| By:   | <b>t</b> :     |    |             | a Division of Joseph E. Seagram  | i &      | ••• |
| Dated: Redfern Development Corporation By: Dated:   |                | •• | •           |  | 5. s.    |     |
| By:   | ۱ <u> </u>     | •  | By:         |  |          |     |
| Dated:  | t:             |    |             | Redfern Development Corporation  |          |     |
| Dated:  |                |    | By:         |  |          |     |
| Dated: C.L. Norsworthy, Jr.   |                | -  | -<br>-<br>- |  |          |     |
|   |                |    | · • •       | C.L. Norsworthy, Jr.   |          |     |
|   |                |    | -<br>       |  | -        |     |
| Dated: Nona B. Norsworthy   |                |    |             | Nona B. Norsworthy   |          |     |
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| Attest:  |      | Gulf Oil Corporation   |
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| Dated:   |      |  |
| Attest:  |      | The Atlantic Refining Company  |
|  | By : |  |
| Dated:   |      |  |
| Attest:  |      | El Paso Natural Gas Company  |
|  | By:  |  |
| Dated:   |      |  |
|  | By:  | Rutter and Wilbanks Brothers,<br>a Partnership composed of Jess<br>Wilbanks, A.W. Rutter, G.L.<br>Wilbanks and A.W. Rutter, Jr.<br>A.M. Sutter, Jr.<br>Partner   |
| Dated: MAR 3960  |      |  |
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| Attest:  |      | Texas Pacific Oil Company,<br>a Division of Joseph E. Seagram &<br>Sons, Inc.  |
|  | By:  |  |
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| Attest:  |      | Redfern Development Corporation  |
|  | By:  |  |
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| Dated:   |      | Nona B. Norsworthy   |

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| Page -2-  | • - (  | Julf Oil Corporation   |  |
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| Dated:    |  | The Atlantic Refining Company  |  |
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| Dated:    |  |  |  |
| ,)A 00001 |  | El Paso Natural Gas Company  |  |
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| Attest:   | B  | Υ{   |  |
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| Dated:    |  | Brothers,  |  |
|           |  | Rutter and Wilbanks Brothers,<br>a Partnership composed of Jess<br>A.W. Rutter, G.L.   |  |
| •         |  | a Partnership composed G.L.<br>Wilbanks, A.W. Rutter, G.L.<br>Wilbanks and A.W. Rutter, Jr.  |  |
|           |  | WILDERING COM  |  |
|           |  | By 1   | <b></b>  |
|           |  | Partner  | <ul> <li>The second second</li></ul> |
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| Dated:    |  | Texas Pacific Oil Company,<br>Texas Pacific Oil Company,   | ram &  |
|           | , .  | Texas Pacific Oil Company,<br>a Division of Joseph E. Seag<br>Sons, Inc.   | - · · · · · · · · · · · · · · · · · · ·  |
| Attest:   |  | Some, The Alexandre  |  |
|           |  | By: Clan . tro   | 9  |
|           |  | By: ELDON E. SCOTT<br>ATTOBNEY-IN-FACT   |  |
| Dated:    |  |  | tion   |
|           |  | Redfern Development Corpora  |  |
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| Attest:                               |                | The Atlantic Relining Company   |        |
| Detect                                | By I           | and the second                |        |
| Dated:                                |                |   |        |
| Attest:                               |                | EL Paso Natural Gas Company   |        |
| Dated:                                | Dý i           | an a  | •      |
|                                       |                | Rutter and Wilbanks Brothers,<br>a Partnership composed of Jess<br>Wilbanks, A.W. Rutter; G.L.<br>Wilbanks and A.W. Rutter, Jr. |        |
|                                       | Ву::<br>       | Per ther  |        |
| Dated:                                |                |   |        |
| Attest:                               |                | Texas Pacific Oil Company,<br>a Division of Joseph E. Seagram &<br>Sons, Inc.   |        |
| · · · · · · · · · · · · · · · · · · · | *<br>By :      |   |        |
| Dated:                                | · · ·          | Redfern Development Corporation   |        |
|                                       | Ву :           | of Realize  |        |
| <br>Datea: Jell                       |                |   |        |
| Dated:                                |                | C.L. Norsworthy, Jr.  | •      |
| Давой:<br>                            | ·              | Nona B. Norsworthy  |        |
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| Attest:   |                                       |            | Out 011 Corporation  |
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| <b>Atlest:</b>  |                                       |            | The Atlantic Refining Company  |
|   | •                                     | By :       |  |
| Dated:  |                                       |            |  |
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| Attest:   |                                       |            | El Paso Natural Gas Company  |
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| Dated:  |                                       | · .        |  |
|   |                                       | · ·        | Rutter and Wilbanks Brothers,<br>a Partnership composed of Jess  |
|   |                                       | •••<br>••  | Wilbanks, A.W. Rutter, G.L.<br>Wilbanks and A.W. Rutter, Jr.   |
| n en  |                                       |            |  |
|   |                                       | Bys        | Partner  |
| Dated:  | · · · · · ·                           | *<br><br>* |  |
|   |                                       | -          |  |
| Attest:   |                                       | · · · ·    | Texas Pacific Oil Company,<br>a Division of Joseph E. Seagram &  |
|   |                                       |            | Sons, Inc.   |
|   |                                       | ···By:     |  |
| Dated:  |                                       |            | · · · · · · · · · · · · · · · · · · ·  |
| Ballay a shakelin "gaat on waa kiinga mayaan ay adaa ka shaka shaka shaka shaka shaka |                                       |            |  |
| Attest:   |                                       |            | Redfern Development Corporation  |
|   |                                       | By:        | ·  |
| Dated:  |                                       | -          | 1011 111   |
|   |                                       | · ·        | UN portat  |
| Dated:  | · · · · · · · · · · · · · · · · · · · |            | C.L. Norsworthy, Sr.   |
|   | •                                     | l          | Love & Lorsworth,  |
| Dated:  |                                       | -<br>-<br> | Nona B. Norsworthy   |
|   |                                       | •          |  |
| · · · · · · · · ·   | . <sup>1</sup> .                      | · •        |  |

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|---|----------|---------------------------------------|----------------------|----------------|
| · | Page -3. | -                                     |                      | . <del>-</del> |
|   | Dated:   | 2-17-66                               | A.J. Vogel           | <del></del> .  |
| • | Dated:   | x-17-66                               | Mary E. Vogel        |                |
|   | Dated:   | · · · · · · · · · · · · · · · · · · · | A.W. Rutter          |                |
|   | .Dated:  | •<br>• • •                            | Dorothy Tripp Rutter |                |
| z | Dated:   | ····                                  | A.W. Rutter, Jr.     |                |
| • | -        | •••                                   |                      |                |
|   | Dated: _ |                                       | Virginia S. Rutter   |                |
| • | Dated: _ |                                       | Q.L. Wilbanks        |                |
|   | Dated: _ |                                       | Gladys V. Wilbanks   |                |
|   |          |                                       |                      |                |
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| Dated:_ |  |
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| Dated:  | an a |
| Dated,  | MAR 2 - 1966                             |
| Dateà:  | MAR 3 - 1068                             |
| Dated:  | MAR 3 - 1989                             |
| Dated:  | <u> 19 6. 19 66</u>                      |
| Dated:  | <u>1913 a - 1914</u>                     |
| Dated:  | 1997 - 19 <b>56</b>                      |

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Nary 1 Vogel

A.N. Rutt

Dorothy Tripp Ruster

S Ilin A.W. Ru A S. Rutter Virginj

G.L. Wildanks

Gladys V. filbanks

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| STATE OF TEX   | (AS 🕴   | •   |                |
| •••  | DJAND 🕴   |   |                |
| The  | foregoing instrume  | ent was acknowlodged before to take Bill day  |                |
| or your Febru  | ury , 1966 , by   | R. M. Kobdish , Vius Erauldent  |                |
| IN BINCHAR TO  | EL & GAS COMPANY, a   | Maine corporation, on babell of soid corporation  | on.            |
| Mr commission  | expires   | Alenens 1025 Supre  | s/             |
|  |   | Geneva L. Turner<br>Notary Public in and for Midlan   |                |
| Di MIDI INNI   |   | County, Toxas   | . <b>.</b> .   |
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| STATE OF   | Ŷ   |   |                |
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| of   | , 196, by   | es Attorney.  |                |
| in Fact for El   | L PASO NATURAL GAS  | COMPANY, a Delaware corporation, on behalf of   |                |
| said corporati   | lon,  |   |                |
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| My commission  | evbright  |   | -              |
|  | and the second        | Notary Public in and for  |                |
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| COUNTY OF<br>The<br>of<br>Attorney-in-Fa   | , 196, by   | ent was acknowledged before me thisday  | w = <b>4</b>   |
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| COUNTY OF<br>The<br>of   | , 196, by<br>act for Humble Oil &<br>corporation.<br>expires;<br>foregoing instrume<br>, 196, by<br>WICE OIL COMPANY, s | ent was acknowledged before me thisday<br>yas Agent and<br>& Refining Company, a Delaware corporation, on<br>Notary Fublic in and for<br>County,<br><br>ent was acknowledged before me thisday of<br>yas Attorney-in-Fac<br>a Delaware corporation, on behalf of said corpo | t<br>ratio     |

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| The foregoing instrument was acknowledged before me this  | COUNTY OF  | oregoing instrumen   | at was acknowledged before me this day<br>Vice Fresident  |
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| of SINCLAIR OIL & GAS COMPARE, a prime and<br>Ny commission expires<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was schnowledged before me this  |  |  |   |
| of SINCLAIR OIL & GAS COMPARE, a prime and<br>Ny commission expires<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was schnowledged before me this  | of 10  |  | Maine corporation, on behalf of noid corporation.   |
| Wy committation expires       Notary Public in and for Hidlend.         STATE OF  | of SINCLAIR OIL  | & GAY COMPANY, a N   | MATHA AAAE  |
| Netwy Public in and for Mutuke<br>County, Texcu<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday<br>of   |  |  | ومستعمر ومراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمنافع والمنافع والمراجع |
| STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me this   |  |  | Notary Public in and for Midland  |
| COUNTY OF The foregoing instrument was acknowledged before me this  | می از می اور این   |  | Cousty, Texas   |
| COUNTY OF The foregoing instrument was acknowledged before me this  |  |  |   |
| COUNTY OF The foregoing instrument was acknowledged before me this  | STATE OF   | . Ó  |   |
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| of  | COUNTI OF  | foregoing instrum  | ment was acknowledged before me this  |
| in Fact for EL FASO NATURAL GAB COMMANY & Provide and comporation.<br>My commission expires:<br>My commission expires:<br>STATE OF Juncation<br>STATE OF Juncation<br>STATE OF Juncation<br>Many SUB STATE OF<br>COUNTY OF State<br>Many SUB STATE OF<br>COUNTY OF<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisMany SUB STAN<br>Notary Public in and for<br>Many SUB STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>The foregoing instrument was acknowledged before me thisday of<br>The foregoing instrument was acknowledged before me thisday of<br>, 196 byas Attorney-in-Fact<br>for CITTES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:<br>My commission expires:   | •  |  | and the second  |
| said corporation.         My commission expires:         Notary Public in and for   | 10   | 190 (march 6 and   | company, a Delaware corporation, on behalf of   |
| said corporation.         My commission expires:         Notary Public in and for   | in Fact for EL   | , PASO NATURAL CAS   |   |
| My commission expires:       Notary Fublic in and for   |  |  |   |
| STATE OF Juscan<br>COUNTY OF Juscan<br>STATE OF Juscan<br>of Juscan<br>of Juscan<br>Attorney in-Fact for Humble Oil & Refining Company, a Delaware corporation, on<br>Dehalf of Baild corporation.<br>We commission expires:<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>   |  |  |   |
| STATE OF Juncan<br>COUNTY OF Juncan<br>COUNTY OF Juncan<br>The foregoing instrument was acknowledged before me this <u>_2</u> <sup>A</sup> day<br>as Agent and<br>Attorney fin-Pact for Humble Oil & Refining Company, a Delaware corporation, on<br>behalf of shid corporation.<br>Wy commission crpires:<br>The foregoing instrument was acknowledged before me thisday of<br>  | My commission  | expirest   | Notary Public in and for  |
| STATE OF Jessee<br>COUNTY OF Jessee<br>The foregoing instrument was acknowledged before me this <u>Jo</u> <sup>M</sup> _day<br>of <u>Jessee</u> , <u>1966</u> , by <u>Bill R. Payne</u> as Agent and<br>Attorised in Fact for Humble Oil & Refining Company, a Delaware corporation, on<br>behalf of stid corporation.<br>Wy commission expires:<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>as Attorney-in-Fact<br>for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:  |  |  | County,   |
| COUNTY OF middle in the foregoing instrument was acknowledged before me this <u>12</u> <sup>th</sup> day<br>of <u>submary</u> , <u>1966</u> , by <u>Bill R. Payne</u> as Agent and<br>Attorney fin-Fact for Humble Oil & Refining Company, a Delaware corporation, on<br>behalf of said corporation.<br>We commission expires:<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me this <u>day of</u><br>as Attorney-in-Fact<br>for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:<br>My commission |  | annalain historia Shariya dana   | and the second se   |
| COUNTY OF middle in the foregoing instrument was acknowledged before me this <u>12</u> <sup>th</sup> day<br>of <u>submary</u> , <u>1966</u> , by <u>Bill R. Payne</u> as Agent and<br>Attorney fin-Fact for Humble Oil & Refining Company, a Delaware corporation, on<br>behalf of said corporation.<br>We commission expires:<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me this <u>day of</u><br>as Attorney-in-Fact<br>for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:<br>My commission |  |  |   |
| COUNTY OF middle in the foregoing instrument was acknowledged before me this <u>12</u> <sup>th</sup> day<br>of <u>submary</u> , <u>1966</u> , by <u>Bill R. Payne</u> as Agent and<br>Attorney fin-Fact for Humble Oil & Refining Company, a Delaware corporation, on<br>behalf of said corporation.<br>We commission expires:<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me this <u>day of</u><br>as Attorney-in-Fact<br>for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:<br>My commission | · · · · · · · · · · · · · · · · · · ·  | ×  |   |
| The foregoing instrument was acknowledged before me thisday of<br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>The foregoing instrument was acknowledged before me thisday of<br>for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:<br>My commission expires:<br>M  |  | car y  |   |
| of <u>Jubrury</u> , 196 <u>/</u> , by <u>Bin A. Taym</u><br>Attorney fin Fact for Humble Oil & Refining Company, a Delaware corporation, on<br>Schalf of said corporation.<br><i>Many but Money</i> MANY SUB SLOAN<br>Notary Public in and for<br><i>Many function</i><br>Notary Public in and for<br><i>Many function</i><br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>, 196, byas Attorney-in-Fact<br>for CITHES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:   |  | ¥  |   |
| Attorney in Fact for Humble OII a Minimud         State of said corporation.         My commission expires:         STATE OF         COUNTY OF         The foregoing instrument was acknowledged before me thisday of   | COUNTY OF The  | island 1   | ant use acknowledged before me this 12th day  |
| Attorney in Fact for Humble OII a Minimud         State of said corporation.         My commission expires:         STATE OF         COUNTY OF         The foregoing instrument was acknowledged before me thisday of   | COUNTY OF The  | island 1   | rument was acknowledged before me this <u>12<sup>M</sup></u> day<br>Bill B. Payne as Agent and  |
| behalf of shid corporation.       MARY SUR SLOAN         Wy commission expires:       MARY SUR SLOAN         Notary Public in and for       Mary function         STATE OF       County, ing or         STATE OF       State for county of         The foregoing instrument was acknowledged before me this day of  | COUNTY OF 77   | he foregoing instr   | BIII A. Layne   |
| Fewy commission expires:       Many commission expires:         STATE OF       Notary Public in and for         STATE OF       County, inc.         COUNTY OF       Inc.         The foregoing instrument was acknowledged before me this day of  | COUNTY OF 77   | he foregoing instr   | BIII A. Layne   |
| Notary Public in and for<br><u>January Fublic in and for</u><br>STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>, 196, byas Attorney-in-Fact<br>for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:   | COUNTY OF TH<br>T<br>of <u>Julaun</u><br>Attorney thn-   | he foregoing instr<br>   | , by Bin M. Fayne<br>il & Refining Company, a Delaware corporation, on  |
| STATE OF<br>COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>   | COUNTY OF TH<br>T<br>of <u>Scloren</u><br>Attorney th<br>behalf of se  | he foregoing instr<br>, 1966.,<br>Fact for Humble Of<br>id corporation.  | , by Bin M. Fayne<br>il & Refining Company, a Delaware corporation, on  |
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| COUNTY OF<br>The foregoing instrument was acknowledged before me thisday of<br>   | COUNTY OF TH<br>T<br>of <u>Juleur</u><br>Attorney th<br>behalf of se   | he foregoing instr<br>, 196 <u>6</u> ,<br>Fact for Humble Of<br>Aid corporation.   | , by <u>Bin M. Tajne</u><br>il & Refining Company, a Delaware corporation, on<br><u>Many fun floars</u> MARY SUE SLOAN<br>Notary Public in and for  |
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| The foregoing instrument was acknowledged before me thisday of  | COUNTY OF TH<br>T<br>of <u>Jubras</u><br>Attorney for<br>Schalf of se<br>Wy commission<br>C<br>Spane with                              | he foregoing instr<br>, 196 <u>6</u> ,<br>Fact for Humble Of<br>Aid corporation.   | , by <u>Bin M. Tajne</u><br>il & Refining Company, a Delaware corporation, on<br><u>Many fun floars</u> MARY SUE SLOAN<br>Notary Public in and for  |
| , 196 , by, for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:  | COUNTY OF TH<br>T<br>of <u>Julous</u><br>Attorney in-<br>behalf of se<br>Wy commission<br><u>Janu</u>                                  | he foregoing instr<br>, 196 <u>6</u> ,<br>Fact for Humble Of<br>Aid corporation.<br>on expires:<br>567   | , by <u>Bin R. Tajue</u><br>il & Refining Company, a Delaware corporation, on<br><u>Many but Stram MARY SUR SLOAN</u><br>Notary Public in and for<br><u>Micland</u> County, <u>ing</u>  |
| , 196 , by, for CITIES SERVICE OIL COMPANY, a Delaware corporation, on behalf of said corporat<br>My commission expires:  | COUNTY OF TH<br>T<br>of <u>Julous</u><br>Attorney in-<br>behalf of se<br>Wy commission<br><u>Janu</u>                                  | he foregoing instr<br>, 196 <u>6</u> ,<br>Fact for Humble Of<br>Aid corporation.<br>on expires:<br>567   | , by <u>Bin R. Tajue</u><br>il & Refining Company, a Delaware corporation, on<br><u>Many but Stram MARY SUR SLOAN</u><br>Notary Public in and for<br><u>Micland</u> County, <u>ing</u>  |
| for CITIES SERVICE OIL COMPANY, a Delaware corporation, of other<br>My commission expires:  | COUNTY OF TH<br>T<br>of <u>Julous</u><br>Attorney in-<br>behalf of se<br>Wy commission<br><u>Janu</u>                                  | he foregoing instr<br>, 196 <u>6</u> ,<br>Fact for Humble Of<br>Add corporation.<br>Contempires:<br>567  | , by <u>Bin R. Tayne</u><br>il & Refining Company, a Delaware corporation, on<br><u>Many due Stoarn</u> MARY SUE SLOAN<br>Notary Public in and for<br><u>Micland</u> County, <u>ing ac</u>  |
| My commission expires:  | COUNTY OF TH<br>of <u>Jubras</u><br>Attorney in<br>behalf of se<br>wy commission<br><u>Janu</u> with<br>STATE OF<br>COUNTY OF          | The foregoing instr  | , by  |
| BODRTA - Connection   | COUNTY OF TH<br>of <u>Jubras</u><br>Attorney in<br>behalf of se<br>wy commission<br><u>Janu</u> with<br>STATE OF<br>COUNTY OF          | The foregoing instr  | , by  |
| BODRTA - Connection   | COUNTY OF TH<br>of <u>Jubras</u><br>Attorney in<br>behalf of se<br>wy commission<br><u>Janu</u> with<br>STATE OF<br>COUNTY OF          | The foregoing instr  | , by  |
| County;   | COUNTY OF TH<br>T<br>of <u>Subturn</u><br>Attorney fin-<br>behalf of se<br>wy commission<br><u>State OF</u><br>COUNTY OF<br>for CITIES | he foregoing instr<br>, 1966,<br>Fact for Humble Official<br>Add corporation.<br>Add corporation.<br>A | , by  |
|   | COUNTY OF TH<br>T<br>of <u>Subturn</u><br>Attorney fin-<br>behalf of se<br>wy commission<br><u>State OF</u><br>COUNTY OF<br>for CITIES | he foregoing instr<br>, 1966,<br>Fact for Humble Official<br>Add corporation.<br>Add corporation.<br>A | , by  |
|   | COUNTY OF TH<br>T<br>of <u>Subturn</u><br>Attorney fin-<br>behalf of se<br>wy commission<br><u>State OF</u><br>COUNTY OF<br>for CITIES | he foregoing instr<br>, 1966,<br>Fact for Humble Official<br>Add corporation.<br>Add corporation.<br>A | , by  |

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| STATE OF                               | ð.                                     |   |
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| COUNTY OF                              | 0<br>0                                 |   |
|  | voing instrument was a                 | cknowledged before we this day                    |
|  |  | , Vice President                                  |
|  |  | rporation, on behalf of said corporation.         |
| My commission expir                    |  |   |
|  |  | Wata wata kata kata kata kata kata kata k         |
| ************************************** |  | Notary Public in and for Midland<br>County, Texas |
| STATE OF                               | ٥.<br>ا                                |   |
| COUNTY OF                              | Q<br>Q                                 |   |
|  | going instrument was a                 | cknowledged before me this day                    |
| •                                      | ·                                      | , as Attorney-                                    |
|  |  | a Delaware corporation, on behalf of              |
| said corporation.                      | ······································ |   |
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| My commission expir                    | es i                                   |   |
|  |  | Notary Public in and for                          |
| *****                                  |  | County,   |
| STATE OF                               | ð.                                     | · · · ·   |
| COUNTY OF                              | Č<br>Š                                 | •   |
|  | going instrument was a                 | cknowledged before me thisday                     |
| of                                     |  | as Agent and                                      |
|  |  | Company, a Delaware corporation, on               |
| behalf of said corpo                   |  | ,, ,  |
| My commission expire                   | · · · · · · · · · · · · · · · · · · ·  |   |
|  |  | Notary Public in and for                          |
|  | <del>~~</del>                          | County,   |
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| STATE OF Oklahoma                      | Q<br>Q                                 | •••   |
| COUNTY OF WEshingto                    | n ĝ                                    |   |
| The fore                               | going instrument was ac                | knowledged before me this £ day of                |
|  |  | as Attorney-in-Fact                               |
|  | · · · · ·                              | corporation, on behalf of said corporation        |
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| My commission expire                   | 28:                                    | Dura M Wedma                                      |
|  |  | Notary Public in and for                          |
| Ly Commission Expire                   | s February 9, 1969                     | -   |

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|   | STATE OF NEW MEXICO                   | ·                 |                                       |                       |     |
|   | COUNTY OF CHAVES                      |                   |                                       | 15 the start          |     |
|   | The foregoing instru                  | ument was acknowl | E O MORTIOCK                          | inte 18 day or        |     |
|   | Alauran , 196_6                       | , by              | D. G. MORIÇOCK                        | , 8.8                 |     |
|   | Attorney-In-Tact for GULF OIL         | CORPORATION, a P  | ennsýlvania corpo                     | ration, on behalf     |     |
|   | of hat & corporation.                 | • .<br>• • • • •  | . 82                                  | .0                    |     |
|   | My commission expires:                | · •               | Low Ma                                | me Corpu              |     |
|   | My Comultation toping Abgust 15, 1966 |                   | Notary Publi                          |                       |     |
|   |                                       | . –               | CHAVES Co                             | unty, NEW MEXICO      |     |
|   |                                       | • 4               | e.,                                   |                       |     |
| - | STATE OF                              |                   | <b>t</b>                              | •                     |     |
|   | COUNTY OF                             |                   |                                       |                       | •   |
|   | The foregoing instru                  | ument was acknowl | edged before me t                     | his day of            |     |
|   | ,196                                  | , by              |                                       |                       | •   |
|   | Attorney-in-Fact for THE ATLAN        | NTIC REFINING COM | PANY, a Pennsylva                     | nia corporation,      | -   |
|   | on behalf of said corporation.        | •                 |                                       |                       |     |
|   | 1                                     |                   | · · · · ·                             |                       | · • |
|   |                                       |                   | Notary Publi                          | c in and for          |     |
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|   | STATE OF                              | · .               | · · ·                                 |                       | •   |
|   | COUNTY OF                             |                   |                                       |                       |     |
|   | The foregoing instru                  | ment was acknowle | adged before me ti                    | hisday of             | -   |
|   | ,196,                                 | , b <b>y</b>      |                                       | , a partner           |     |
|   | in the partnership of RUTTER A        | ·                 | •                                     |                       |     |
|   | W. Rutter, G.L. Wilbanks and A        | .W. Rutter, Jr.   | •                                     | •                     |     |
|   | HI MANNEL, GIDI HILDAMAS AND A        |                   |                                       |                       |     |
|   |                                       |                   |                                       |                       |     |
|   | My commission expires:                |                   |                                       | -                     |     |
| • |                                       |                   | Notary Public                         |                       |     |
| • |                                       |                   |                                       | in and for<br>County; |     |
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| Attomnoy in Foot P                       |  | ATION, a Pennsylvania corporation, on  | ·                      |
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| of said corporatio                       | 71 •   |  |                        |
| My commission expi                       | rest   | · · · · · · · · · · · · · · · · · · ·  |                        |
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|  |  | County,  |                        |
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| STATE OF NEW ME                          | IXICO 🕴  |  | <br>                   |
| COUNTY OF CHAVES                         | 3 0  | •  |                        |
| The fore                                 | going instrument w                                 | as acknowledged before me this <u>17th</u>                                     | day of                 |
| February.                                | ,196 <u>6</u> , by _                               | S. L. Smith , as   |                        |
| Sitstorney-In-Fact f                     | or the Atlantic Re                                 | FINING COMPANY, a Pennsylvania corpor  | ation,                 |
| on behalf of said                        | corporation.                                       | •  |                        |
| Commission Exp                           |  | Low Edith  | Jaung,                 |
|  | JTT. 99 f  | Notary Public in and f<br>Chaves County, New Me                                | or                     |
| CRUIT CRUIT                              | ······································             | Chaves County, New Me:   | cico                   |
| STATE OF                                 | ç  |  |                        |
| COUNTY OF                                | Ŷ  |  |                        |
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| The fore                                 | · .  |  | day of                 |
|  | ,196, b <b>y</b>                                   |  | a partner              |
| in the partnership                       | ,196, by<br>of RUTTER AND WI                       | LEANKS BROTHERS, composed of Jess Will   | a partner              |
|  | ,196, by<br>of RUTTER AND WI                       | LEANKS BROTHERS, composed of Jess Will   | a partner              |
| in the partnership                       | ,196, by<br>of RUTTER AND WI<br>lbanks and A.W. Ru | LEANKS BROTHERS, composed of Jess Will   | a partner              |
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| in the partnership<br>W. Rutter, G.L. Wi | ,196, by<br>of RUTTER AND WI<br>lbanks and A.W. Ru | LEANKS BROTHERS, composed of Jess Will   | a partner<br>banks, A. |
| in the partnership<br>W. Rutter, G.L. Wi | ,196, by<br>of RUTTER AND WI<br>lbanks and A.W. Ru | LEANKS BROTHERS, composed of Jess Will<br>tter, Jr.<br>Notary Public in and fo | a partner<br>banks, A. |
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| COUNTY OF  | ¢<br>Q  |   |   |
| The for  | regoing instrument                                    | was acknowledged befor  | e me this day   |
| oî   | , 196 , dy  |   | , Vice President  |
|  |   |   | alf of said corporation   |
| My commission exp:   |   |   |   |
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| of <u>februar</u>  | <u>, 1966</u> , by                                    | Sam Smith   | , as Attorney-  |
| in Fact for EL PAS   | 30 NATURAL GAS COM                                    | PANY, a Delaware corpor                                       | ation, on behalf of   |
| said corporation.  |   |   |   |
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| TELOISE BUSSE  | o County, Texas                                       | Notary Put  | lic in and for  |
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| -  | ·   | fining Company, a Dela  | ware corporation, on  |
|  | poration.   |   |   |
| behalf of said cor   |   | ,   |   |
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|  | ires:   | Notary Put  | lic in and forCounty,   |
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| My commission expi<br>   | )<br>)<br>)   |   | County,   |
| My commission expi<br>   | ,<br>¢<br>¢<br>regoing instrument                     | was acknowledged befor  | County,<br>e me thisday of  |
| My commission expin-<br>STATE OF<br>COUNTY OF<br>The for                       | <pre> Pregoing instrument, 196, by </pre>             | was acknowledged befor  | County,<br>e me thisday of<br>as Attorney-in-Fact                           |
| My commission expin-<br>STATE OF<br>COUNTY OF<br>The for                       | <pre> Pregoing instrument, 196, by </pre>             | was acknowledged befor  | County,<br>e me thisday of<br>as Attorney-in-Fact                           |
| My commission expin-<br>STATE OF<br>COUNTY OF<br>The for<br>for CITIES SERVICE | regoing instrument<br>, 196, by<br>COIL COMPANY, a De | was acknowledged befor<br>laware corporation, on              | County,<br>e me thisday of<br>as Attorney-in-Fact<br>behalf of said corpora |
| My commission expin-<br>STATE OF<br>COUNTY OF<br>The for                       | egoing instrument<br>, 196, by<br>COIL COMPANY, a De  | was acknowledged befor<br>laware corporation, on              | County,<br>e me thisday of<br>as Attorney-in-Fact<br>behalf of said corpora |
| My commission expin-<br>STATE OF<br>COUNTY OF<br>The for<br>for CITIES SERVICE | regoing instrument<br>, 196, by<br>COIL COMPANY, a De | was acknowledged befor<br>laware corporation, on<br>Notary Pu | County,<br>e me thisday of<br>as Attorney-in-Fact<br>behalf of said corpora |

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STATE OF COUNTY OF

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of ,196\_\_, by \_\_\_\_\_, as Attorney-in-Fact for GULF OIL CORPORATION, a Pennsylvania corporation, on behalf of said corporation. My commission expires; Notary Public in and for

STATE OF COUNTY OF

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_,196\_\_\_, by \_\_\_\_\_ , as Attorney-in-Fact for THE ATLANTIC REFINING COMPANY, a Pennsylvania corporation,

on behalf of said corporation.

Notary Public in and for

County, \_\_\_\_\_

STATE OF Jura COUNTY OF misland

The foregoing instrument was acknowledged before me this <u>July</u> day of mul, 1966, by G. W. Rutley, Jr., a partner in the partnership of RUTTER AND WILLEANKS BROTHERS, composed of Jess Wilbanks, A. W. Rutter, G.L. Wilbanks and A.W. Rutter, Jr.

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7 F. ſ.

My commission expires: 6-1-67

Beulik Roy Segger

midle County, Deal

STATE OF 24an COUNTY OF Dallas The foregoing instrument was acknowledged before me this 21, 4 day of Eldow E. Scill ,1966 , Attorney-, by -----in-Fact of TEXAS PACIFIC OIL COMPANY, a Division of JOSEPH E. SEAORAM & CONS, INC., an Indiana corporation, on behalf of said corporation. milesion expires: Notary Public in and for MILDARENE WORLEY, Notary Public, In and for Dailas County, Toxas. My Commission Expires STATE OF COUNTY OF The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_,196\_\_, by \_\_\_ President of REDFERN DEVELOPMENT CORPORATION, a Delaware corporation, on behalf of said corporation. My commission expires: Notary Public in and for County, STATE OF County Of The foregoing instrument was acknowledged before me this day of , 196\_\_\_, by C.L. NORSWORTHY, JR. AND NONA B. NORSWORTHY, his wife. My commission expires: Notary Public in and for County,

STATE OF COUNTY OF The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of ,196\_\_\_\_, by \_\_\_\_\_\_, Attorney-\_\_\_\_\_, in-Fact of TEXAS PACIFIC OIL COMPANY, a Division of JOSEPH E. SEAGRAM & SONS, INC., an Indiana corporation, on behalf of said corporation. My commission expires: Notary Public in and for County,\_\_\_\_ STATE OF Julas COUNTY OF midland The foregoing instrument was acknowledged before me this  $\frac{17}{17}$  day of tebruary, 1966, by John J. Ledgern, Jr. President of REDFERN DEVELOPMENT CORPORATION, a Delaware corporation, on behalf of said, corporation. My commission expires: Notary Public in and for L. KEITHLEN, Notary Public MIDLART COUPTY, TEXAS COMMILION Explose June 1, 1967 land county, Setan STATE OF County Of The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of , 196\_\_\_, by C.L. NORSWORTHY, JR. AND NONA B. NORSWORTHY, his wife. My commission expires: Notary Public in and for

\_\_\_\_County,\_\_\_

STATE OF COUNTY OF The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_,196\_\_\_, by \_\_\_\_\_\_, Attorney-\_\_\_\_\_, in-Fact of TEXAS PACIFIC OIL COMPANY, a Division of JOSEPH E. SEAGRAM & SONS, INC., an Indiana corporation, on behalf of said corporation. My commission expires: Notary Public in and for County STATE OF COUNTY OF The foregoing instrument was acknowledged before me this day of \_\_\_\_\_,196\_\_\_, by \_\_ President of REDFERN DEVELOPMENT CORPORATION, a Delaware corporation, on behalf of said corporation. My commission expires: . Notary Public in and for County, STATE OF / entrs County of Alacles The foregoing instrument was acknowledged before me this and day of \_\_\_, 196 /, by C.L. NORSWORTHY, JR. AND NONA B. NORSWORTHY, run, his wife. My commission expires: Notary Public in and for ASSISTANTING IN EPUD, ida. County,

STATE OF Texas COUNTY OF Medland The foregoing instrument was acknowledged before me this 17th day ebruary, 1966, by A.J. VOGEL and MARY E. VOGEL, his wife. × Yume & Sheer My commission expires: Notary Public in and for une 1 1967 Midland County Texas STATE OF COUNTY OF The foregoing instrument was acknowledged before me this day , 195 ..., by A.W. RUTTER, JR., and VIRGINIA S. RUTTER, . of his wife. My commission expires: Notary Public in and for County •, 2 STATE OF COUNTY OF The foregoing instrument was acknowledged before me this \_\_\_\_\_day , 196\_\_\_, by A.W. RUTTER and DOROTHY TRIPP RUTTER, his oſ wife. My commission expires: Notary Public in and for County, STATE OF COUNTY OF The foregoing instrument was acknowledged before me this \_\_\_\_\_day of , 196\_\_\_\_, by G.L. WILBANKS and GIADYS V. WILBANKS, his wife. My commission expires: Notary Public in and for County,

STATE OF COUNTY OF The foregoing instrument was acknowledged before me this \_\_\_\_\_day , 196\_, by A.J. VOGEL and MARY E. VOGEL, his wife. of My commission expires: Notary Public in and for County STATE OF Leyed COUNTY OF millions The foregoing instrument was acknowledged before me this 3 - p day Much, 1966, by A.W. RUTTER, JR., and VIRGINIA S. RUTTER, his wife 👘 🗄 Beuler Ray Legged My commission expires: 6.21-67 Notary Public in Mieland County Leved STATE OF Let COUNTY OF Misland The foregoing instrument was acknowledged before me this Zay day Much, 196 6, by A.W. RUTTER and DOROTHY TRIPP RUTTER, his of wife. Bener Var jegged My commission expires: 6-7-67 Notary Public in and for millouf County, Jura STATE OF COUNTY OF The foregoing instrument was acknowledged before me this  $\overline{\mathcal{I}}_{\overline{\mathcal{I}}}\mathcal{D}$  day of \_\_\_, 196 4, by G.L. WILBANKS and GLADYS V. WILBANKS, his wife. MARCH Bennie 2, Colles My commission expires: JUNE 1- 1967 Notary Public in and for MIDLAND County, TEXAS

I, Mary C. Drayer, Assistant Secretary of the Atlantic Hofining Company, hereby certify that the following is a true copy of a Power of Attorney in favor of S. L. Smith of Roswell, New Mexico, executed on February 4, 1965, by The Atlantic Refining Company acting by and through its duly authorized officers, W. Dow Hemm, Vice President, and Mary C. Drayer, Assistant Secretary:

#### POWER OF ATTORNEY

#### KNOW ALL MEN BY THESE PRESENTS:

That THE ATLANTIC REFINING COMPANY, a corporation duly organized under the laws of the State of Pennsylvania, does hereby make, constitute, and appoint for the States of Arizona, Colorado, New Mexico and Utah, S. L. SMUTH, of Roswell, New Mexico, its true and lawful attorney for it and in its name and behalf to execute all statements of interest and of holdings in behalf of The Atlantic Refining Company, and to execute all other statements and instruments, including but not limited to, offers to lease, assignments, operating agreements, and releases, required, or which may be required, by the Bureau of Land Management, United States Geological Survey, and any other agency or bureau of the United States of America in connection with the acts and regulations concerning public domain and acquired lands.

The authority given S. L. SMITH, of Roswell, New Mexico, is specifically limited to the sole and exclusive benefit of The Atlantic Refining Company, and S. L. SMITH has no authority to act in behalf of any other person, firm, or corporation in whole or in part. The Atlantic Refining Company, by this Power of Attorney, agrees to be bound by the representations of its attorney, S. L. SMITH, and hereby waives any and all defenses which may be available to it to contest, negate, or disaffirm the actions of S. L. SMITH.

EXECUTED this 4th day of February, 1965. ATTEST: THE ATL

THE ATLANTIC REFINING COMPANY

/s/ Mary C. Drayer Mary C. Drayer Assistant Secretary

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By /s/ W. Dow Hamm W. Dow Hamm Vice President

I further certify that such Power of Attorney remains in force and effect as of the date of this certification.

WITNESS MY HAND AND SEAL this 17th day of February 1966 . Mary C. Drayer, Assistant Secretary of The Atlantic Refining Company, 1×1er a Pennsylvania corporation

11/3 M. May Oil Cons Course. REBEIVE APRI 1 1956 U.S. CELLONDIA SURVEY ROCKALL, ILLA MEXICO APR 7 1966

Cincleir Oil and Gao Corpany P. C. Don 1970 Milland, Tenna

#### Contiemen:

Ga April &, 1966, effective as all April 1, 1966, Arthur A. Deber, Acting Director of the Coolegisch Anerry, approved the territection of the Southboat Jal unit egrees out, her County, New Houleo, Ho. 14-03-6001-5992, pursuant to the last purspech of section 20 thereof.

Declared is one copy of the approval application for your records. Ve request that you furnish notice of this approval to such interacted periods interest other, leases, and leases at their last know address.

Eincously yours,

# H. J. DUNCAN

#### For the Director

Thelesure

cc: Roswell 2 (w/2 copies of approved application)

#### OIL CONSERVATION COMMISSION P. O. DOM BOX 2000 SANTA FE, NEW MEXICO

October 21, 1965

Sinclair Oil & Gas Company P. O. Box 1470 Midland, Texas

Attention: Mr. J. W. Hodges

Re: Time Extension Second Test Well Southwest Jal Unit, Lea County, New Mexico

#### Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the extension of time to March 1, 1966, in which to commence a second unit well in the Southwest Jal Unit Area, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the request for extension of time is returned herewith.

Very truly yours,

A. L. PORTER, Jr., Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands - Santa Fe United States Geological Survey - Roswell



# SINCLAIR OIL & GAS COMEANY 55

P. O. Box 1470 MIDLAND, TEXAS

MIDLAND DIVISION

Occober 15, 1965

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Commissioner of Public Lands State of New Mexico P. 0. Box 1148 Santa Fe, New Mexico

Regional Supervisor United States Geological Survey P. 0. Box 1857 Roevell, New Mexico

Oil Conservation Commission State of New Mexico Santa Fe, New Maxico

> Re: Southwest Jal Unit Area Les County, New Maxico 14-08-0001-8592

The initial test well drilled within the Southwest Jal Unit Area was completed as a gas well on October 23, 1964, from Morrow perforations between 13,040 feet and 13,202 feet after drilling to a total depth of 13,505 feet. The initial potential was 312 NCF of gas plus 51 barrels of condensate per day.

Due to the No. 1 Southwest Jal Unit well and the Skelly No. 1 West Jal Unit well close to being on stratigraphic strike, Sinclair Oil & Cas Company, as Uhit Operator, has instituted a workover pro-gram to attempt to increase production from the initial well. The outline for this program is as follows:

- 1. Set cast iron bridge at approximately 12,835 feet to isolate the present Morrow perforations 13,040 feet to 13,055 feet, 13,160 feet to 13,172 feet and 13,196 feet to 13,202 feet.
- 2. Perforate 42 inch casing at approximately 12,824 feet and cement squeeze.

Commissioner of Public Lands et al. October 15, 1965 Page 2

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- 3. Perforate  $4\frac{1}{2}$  inch casing at 12,726 feet and cement squeeze
- 4. Drill out comment to top of comment retainer, which would be set at approximately 12,800 feet, and pressure test casing.
- 5. Perforate the Norrow zone 12,776-12,782 feet and 12,765-12,770 feet with two holesper foot.
- 6. Test the well and treat perforations with acid as needed.

The above operations were commenced and to date the following has been done:

- 1. Well was circulated with 12.6 drilling mud,
- 2. Cast iron bridge plug was set at 12,835 feet.
- 3. Perforated  $4\frac{1}{2}$  inch casing at 12,726 feet and cement retainer was set at 12,700 feet, and was unable to pump into perforations at 12,726 feet with 7000# surface pressure.
- 4. The cement retainer at 12,700 feet was drilled out and a retrievable packer was run on the drill pipe and 250 gallons of mud acid was spotted over the perfountions at 12,726 feet and was still unable to pump into the perforations with 7000 surface pressure.
- 5. Perforated Merrow some 12,775-12,783 feet with 16-3/8 inch holes.

The foregoing is the status of the workover as of this date. The other Norrow zone, 12,765-12,770 feet will be perforated and both intervals will be tested together.

It is realized that this program does not constitute a second unit well, and it is not intended therefor. However, the work is being undertaken as an earnest effort to re-complete the No. 1 test as a well capable Commissioner of Public Lands et al October 15, 1965 Page 3

of production unitized substances in paying quantities within the meaning of Section 9 of the Unit Agreement.

Inamuch as the commencement date for the second test in the Southwest Jal Unit Area is October 23, 1965, or the unit is subject to termination for failure to drill said test, an extension to March 1, 1966 is respectfully requested to allow time to complete the workover and evaluate the results thereof. If the operations result in a discovery in commercial quantities, a plan of development and operation will be filed for the ensuing six months period. If commercial production is not established, on or before March 1, 1966 a second unit well will be commenced or a request for voluntary termination of the unit will be submitted.

The Unit Area as now established comprises 5561.2 acres of Federal lands under leases expiring from 1966 to 1972. 160 acres of State lands are committed under lease expiring 1968, and 200 acres of fee lands under leases expiring 1966.

In accordance with Section 9 of the Unit Agreement which provides for reasonable extensions of time to fulfill drilling requirements when, in the opinion of the Director and the State Land Commissioner, such action is warranted, Sinchair Oil & Gas Company, as Unit Operator, respectfully requests an extension of time to March 1, 1966 to continue operations for development of the Southwest Jal Unit Area.

J. W. Hodges

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Extension to March 1, 1966, approved:

Oil and Gas Supervisor United States Geological Survey

Consissioner of Public Lands State of New Mexico 10/21/65 1.10

Oil Conservation Commission for the State of New Mexico

June 8, 1965

Sinclair Oil and Gas Company P. O. Box 1470 Midland, Texas

Attention: Mr. C. R. McClain

Gentlemen:

No: Partiel Termination of Unit Agreement Southwest Jal Unit Les County, New Mexico

The Commissioner of Public Lands has approved as of June 7, 1965 your application for the Partial Termination of the Southwest Jal Unit Agreement. This terminates insofar and only insofar as the Southwest Jal Unit Agreement unitizes formations below the base of the Morrow Formation of the Pennsylvania Age.

This application has been consented to and approved by 190% of the working interest owners signatory to the Unit Agreement. We have retained the original and one copy of this application and are enclosing one complete copy and one letter, both approved by the Commissioner.

Also enclosed is receipt No. H-19738. This payment was made by Sinclair's check No. 336196 which was transmitted by your Tulam effice and was a duplicate payment. Please refer to copy of our letter dated April 30, 1965.

Please notify us of the United States Geological Survey's action on this application.

Very truly yours,

GUYTON B. HAYS CONDISSIONER OF FUELIC LANDS

BY :

(Mr.) Ted Bilberry, Director Oil and Gas Department

SHELINE-S.
Sinclair Gil and Gas Company Midland, Texas

June 8, 1965 Page Two

oc: United States Coological Survey F. G. Drawer 1857 Newell, New Mexico Attention: Mr. John A. Anderson

> New Mexico Gil Conservation Consistion F. C. You 2008 Santa Fe, New Mexico

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# SINCLAIR OIL & GAS COMPANY

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MUtual 3-2761

MIDLAND, TEXAS April 15, 1965

Commissioner of Public Lands P. O. Box 1148 Santa Fe, New Mexico Attention: Mrs. Marian M. Rhea Unit Supervisor

P.O. 80 X 1470

United States Geological Survey <u>P. 0. Box 1857</u> Rosvell New Mexico

Oil Conservation Commission State of New Mexico Santa Fe, New Mexico

> Re: Partial Termination of Unit Agreement Southwest Jal Unit Area, Lea County, N.M.

The Southwest Jal Unit Agreement was approved with the Humble Oil & Refining Company joinder restricting the commitment of its lands to only those somes or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age. Said approval was granted on Sinclair's intention and asurance that no attempt would be made to drill a well to depths below that of the Morrow within the unit area and, further, that no well other than the initial test would be drilled without the submittal of an amendment to the unit agreement restricting unitized substances to those formations above the base of the Morrow.

Enclosed herewith is Partial Termination of Unit Agreement executed in counterpart by all working interest owners.

We respectfully request your approval of the enclosed if such approval is necessary. If your approval is not deemed necessary, we kindly ask that this instrument be accepted in compliance with aforementioned conditional approval.

J. W. Hodges

C. A. Claim By:

C. R. McClain

CRMcC/oc Encl.

THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

### <u>KITNESSETH</u>:

WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed,

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

Ren. Kordish Vice-President

CITIES SERVICE OIL COMPANY

11 10/01 Mark F. Payton, Attorney-in-Fact

Dated: December 30, 1964 Dated: Dated: Dated: Dated: Dated:

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WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agree-ment, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

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EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

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Con Cordan. Vice-President

THE ATLANTIC REFINING COMPANY Attorney-in-Fact

#### PARTIAL TERMINATION OF MMIP AGREENEDY

THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

# $\underline{W} \underline{I} \underline{T} \underline{N} \underline{E} \underline{S} \underline{S} \underline{E} \underline{T} \underline{H};$

WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed,

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This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

Vice-President

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THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS CONPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

# $\underline{\mathbf{W}} \equiv \underline{\mathbf{T}} \times \underline{\mathbf{N}} \equiv \underline{\mathbf{S}} \cong \underline{\mathbf{T}} \underbrace{\mathbf{H}}_{:}$

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WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed,

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

Vico-President

GULF OIL CORPORATION

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THIS AGREEMENT, made and entered into as of the lith day of November, 1964, by and between SINOLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

#### <u>WITNESSETH</u>:

WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agree-ment, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed.

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

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THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR ONL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

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WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed,

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & CAS COMPANY

Con. Kooden Bу Vice-President

ATTORNEY-IN-FACT

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THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

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# $\underline{\mathbf{W}} \mathbf{\underline{I}} \mathbf{\underline{\Gamma}} \mathbf{\underline{N}} \mathbf{\underline{E}} \mathbf{\underline{S}} \mathbf{\underline{S}} \mathbf{\underline{E}} \mathbf{\underline{T}} \mathbf{\underline{H}};$

WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Befining Company committed,

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

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# PARTIAL TERMINATION OF UNIT ASPECTATION

THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS CONDANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

## $\underline{\mathbf{V}} \underline{\mathbf{I}} \underline{\mathbf{2}} \underline{\mathbf{N}} \underline{\mathbf{E}} \underline{\mathbf{S}} \underline{\mathbf{S}} \underline{\mathbf{E}} \underline{\mathbf{T}} \underline{\mathbf{H}};$

WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Moxico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed,

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

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#### PARTHAL TERMINATION OF UNIT ARRENTED

WHIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

# WIINESSETX:

WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed,

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

By

SINCLAIR OIL & GAS COMPANY

Vice-President

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THIS AGANELENT, made and entered into as of the loth day of November, 1964, by and between SINOLAIR OIL & GAS CONFANY, as Unit Operator and Morking Interest Camer, and other Morking Interest Owners signatory hereto,

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EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

By Com. Kolsing Vico-President

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EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

Con. Kordish By Vice-President

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Dated:\_\_\_\_\_

ATTEST:

CITIES SERVICE OIL COMPANY

Mark F. Payton, Attorney-in-Fact

THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

# $\underline{W} \underline{I} \underline{T} \underline{N} \underline{E} \underline{S} \underline{S} \underline{E} \underline{T} \underline{H}$ :

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By:

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

Con. Kopda By Vice-President

Assistant Sectorary Dated: 2 3 19 1 Dated: Dated: Dated: Dated: Dated: Dated:\_\_\_\_\_ Dated:

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THE ATLANTIC REFINING COMPANY ······ Attorney-in-Fact

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# $\underline{W} \underline{I} \underline{T} \underline{N} \underline{E} \underline{S} \underline{S} \underline{E} \underline{T} \underline{H}$ :

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EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

Vice-Prosident

| Assictant Secretary<br>Dated:               |
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ATTEST:

THIS AGREEMENT, made and entered into as of the loth day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

# $\underline{\mathbf{M}} \underline{\mathbf{I}} \underline{\mathbf{T}} \underline{\mathbf{N}} \underline{\mathbf{E}} \underline{\mathbf{S}} \underline{\mathbf{S}} \underline{\mathbf{E}} \underline{\mathbf{T}} \underline{\mathbf{H}};$

WHEREAS, a Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, was made and entered into as of the 16th day of December, 1963, covering 6,401.20 acres, more or less, of lands described in said Unit Agreement, reference to which is here made for all purposes, and,

WHEREAS, Humble Oil & Refining Company, in committing its lands to said Unit Agreement, restricted the commitment of its lands to only those zones or formations from the surface down to and including the Morrow Formation of Pennsylvanian Age, and,

WHEREAS, respresentation was made to the Director, United States Geological Survey, in obtaining approval of said Unit Agreement, that if the test well provided for in the Unit Agreement was completed as a discovery, then the unit would be terminated as to all formations below those which Humble Oil & Refining Company committed,

NOW, THEREFORE, for and in consideration of the premises hereof and pursuant to the provisions of said Unit Agreement, the owners of working interest signatories hereto hereby terminate said Unit Agreement insofar and only insofar as the same unitizes formations below the base of the Morrow Formation of Pennsylvanian Age.

This instrument may be executed in counterpart and shall be binding upon the parties executing the same, whether or not the same instrument is executed by all parties.

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

m. Kolin Vico-President

Dated DEC1 8 Dated: Dated: 5 h Dated: Dated: Dated: Dated: Dated:

ATTEST:

• 1 \*

GULF OIL CORPORATION

Attorney in Fact

THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS CONDANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

## <u>WITNESSETH</u>:

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EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

VCL Vice-President

EL PASO NATURAL GAS COMPANY

| 11-11  | dann.        |
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| Dated: | Sauguary     |
| Dated: | DEC 2 3 1964 |
| Dated: |              |
| Dated: |              |
| Dated: | ******       |
| Dated: |              |
| Dated: |              |
| Dated: |              |

ATTEST:

By Attorney-in-Fact

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EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

| ATTEST:                       |
|-------------------------------|
| Assistant Socialary<br>Dated: |
| Dated:                        |

Rom. Koblich By Vice-President

| JOSEPH E. | SEAGRAM & SONS, INC. |
|-----------|----------------------|
| BY: Jame  | NEY-IN-FACT          |
| ATTO      | RNEY-IN-FACT         |
| -0        |                      |
|           |                      |

THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

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EXECUTED as of the date first hereinabove written.

Bv

SINCLAIR OIL & GAS COMPANY

| ATTEST:         |
|-----------------|
| Dated:          |
| Dated: 12-21-64 |
| Dated:          |

Vice-President

THIS AGREENENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

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EXECUTED as of the date first hereinabove written.

<u>By:</u>

SINCLAIR OIL & GAS COMPANY

1000 shi By Vice-President

|          | ATTEST:                      |
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| 1        | Assistant Consulty<br>Dated: |
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REDFERN DEVELOPMENT CORPORATION

John J. Redfern, Jr., President

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THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

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| ATTEST:          |
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| Dated:           |
| Dated: 1-18-1965 |
| Dated:           |

EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

zesident

THIS AGREEMENT, made and entered into as of the 16th day of November, 1964, by and between SINCLAIR OIL & GAS COMPANY, as Unit Operator and Working Interest Owner, and other Working Interest Owners signatory hereto,

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EXECUTED as of the date first hereinabove written.

SINCLAIR OIL & GAS COMPANY

By Vice-President

HUMBLE OIL & REFINING COMPANY

By: (

Agent and Attorney in Fact

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# OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE. NEW MEXICO

May 6, 1965

# Sinclair Oil & Gas Company

P. O. Box 1677 Roswell, New Mexico

Attention: Mr. J. W. Hodges

Re: Extension of Time Request Southwest Jal Unit, Lea County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the request for an extension of time to October 23, 1964, within which to start drilling a second test well in the Southwest Jal Unit Area, Lea County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the request is returned herewith.

Very truly yours,

A. L. PORTER, Jr., Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands Santa Fe, N. Mex.

> United States Geological Survey Roswell, N. Mex.



# SINCLAIR OIL & GAS COMPANY

P. O. Box 1677 Roswell, New Mexico

March 12, 1965

Conmissioner of Fublic Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico Attn.: Mrs. Marian M. Rhea Unit Supervisor

Oil Conservation Commission State of New Mexico Santa Fe, New Mexico

> Re: Southwest Jal Unit Lea County, New Mexico

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Gentlemen:

Enclosed herewith Request for Extension of Time for Drilling Second Test, Southwest Jal Unit.

We respectfully request your approval of the enclosed and return of one copy showing approval thereon.

Yours very truly,

J. W. Hodges District Manager

Mr: Claim  $C'_{\cdot}$ By:

C. R. McClain

CRM/mke Encls. SINCLAIR OIL & GAS COMPANY



P. O. Box 1677 Roavell, Hev Mexico

#### March 9, 1965

Commissioner of Public Lands State of New Mexico P. O. Box 1146 Santa Pe, New Mexico

Regional Supervisor United States Geological Survey P. O. Box 1857 Roswell, New Mexico

Oil Conservation Commission State of New Mexico Santa Fe, New Mexico

> Re: Request for Extension of Time for Drilling Second Test Southwest Jal Unit Les County, New Mexico 14-08-0301-8592

Gentlemen:

Reference is made to Section 9 of the Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, wherein it is provided that until the discovery of a deposit of unitized substances capable of being produced in paying quantities, the Unit Operator shall continue drilling diligently one well at a time, allowing not more than six months between the completion of one well and the beginning of the next well, until a well capable of producing unitized substances in paying quantities is completed.

The initial test well within the Unit Area, located 1980 feet from the north and east lines of Section 4, Township 26 South-Range 36 Sast, N.M.P.M., was completed October 23, 1964, for an initial potential of 312 HCF of gas plus 51 barrels of condensate per day from Morrow perforations between 13,040 and 13,202 feet after drilling to a total depth of 13,505 feet. The well is presently shut-in.

Due to the marginal completion, the Southwest Jal Unit Well Ho. I is not considered a discovery of unitized substances within the meaning of Section 9 of the Unit Agreement.

Section 9 of the Unit Agreement provides that the Director and State Land Commissioner may modify the drilling requirements of said Section by granting reasonable extensions of time when, in their opinion, such action is warranted. Commissioner of Public Lands, et al

Page -2-

March 9, 1965

As the initial Unit well was completed as a producing well, although marginal, it is folt that additional geological studies should be made to aid in the selection of possible future well locations. Additionally, further seismic work is planned for the Southwest Jal Area.

Since additional geological studies are to be made, and additional seismic is planned, it is felt that a request for a reasonable extension of time to commence a second Unit test is justified.

Sinclair Oil & Gas Company, as Unit Operator, respectfully requests a six months extension of time to October 23, 1965, to continue operations for development of the Southwest Jal Unit Area.

Yours very truly,

SINCLAIR OIL & GAS COMPANY

DIC / Commence Byt J. W. Hodges District Manager

JWH 1 JRL 1 CRM/mke

Extension to October 23, 1965, approved.

Oil and Gas Supervisor United States Geological Survey

Commissioner of Public Lands State of New Mexico

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Oil Conservation Commission for the State of New Mexico SINCLAIR OIL & GAS COMPANY



P.O. Box 1470 Midland, Texas 79701 April 12, 1965

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Commissioner of Public Lands State of New Mexico P.O. Box 1148 Santa Fe, New Mexico Attention: Mrs. Marian M. Rhea, Unit Supervisor

Oil Conservation Commission State of New Mexico Santa Fe, New Mexico

> Re: Southwest Jal Unit Lea County, New Mexico

Enclosed herewith for your files and information is copy of Request for Extension of Time for Drilling Second Test, Southwest Jal Unit, which has been approved by the U. S. Geological Survey.

Very truly yours,

J. W. Hodges C. An: Claim

By: C. R. McClain

Enc.

cc: Mr. R. W. Knopp CRM:es



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WASHINGTON 25, D. C.



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File

25 Ing 14 1.

MAR 2 3 1965

Sinclair Oil & Gas Company Post Office Box 1677 Rosvell, New Mexico

Gentlemen:

On March 19, 1965, Arthur A. Baker, Acting Director of the Geological Survey, approved your application for a 6-month extension of time to October 23, 1965, within which to commence the second unit test well under the Southwest Jal unit agreement, Lea County, New Mexico, No. 14-08-0001-8592.

Enclosed are four copies of the approved application for your records. We request that you furnish the State of New Mexico, and any other interested principal with whatever evidence of this approval is JRL deemed appropriate. CRM

Sincerely yours,

For the Director

Enclosures 4

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SINCLAIR OIL & GAS COMPANY

P. O. Box 1677 Rosvell, Hev Nexico

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Sinclair

Warch 9, 1965

Contissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico

Regional Supervisor United States Geological Survey P. O. Box 1857 Rosvell, New Mexico

Oil Conservation Commission State of New Mexico Santa Fe, New Mexico

Re: Request for Extension of Time for Drilling Second Test Southwest Jal Unit Les County, New Mexico No. 14-08-0001-8592

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Sinclair Oil & Gas Company, as Unit Operator, respectfully requests a six months extension of time to October 23, 1965, to continue operations for development of the Southwest Jal Unit Area.

Yours very truly,

Date Approved MAR 1 9 1965 Otting OF Baling Acting Director, U. S. Geological Survey

SINCLAIR OIL & GAS COMPANY

By: 07 J. W. Hodges

District Manager

JWH: JRL: CRM/mke

Extension to October 23, 1965, approved.

Oil and Gas Supervisor United States Geological Survey

Commissioner of Public Lands State of New Mexico

Oil Conservation Commission for the State of New Mexico

#### April 15, 1965

Sinclair Gil & Gas Company P. C. Box 1677 Hoswell, New Mexico

> Re: Request for Extension of Time Southwest Jal Unit Lea County, New Mexico

Attention: Mr. J. W. Hodges

Gentlemen:

The Commissioner of Public Lands approved your Application for a six months extension of time within which to commence the the second test well on the Southwest Jal Unit Area, or to October 23, 1965. Cur approval being subject to like approval by the United States Geological Survey such approval having been obtained as of March 19, 1965.

We are returning one approved copy of this Application.

Yours very truly,

GUYTON B. HAYS COMMISSIONER OF PUBLIC LANDS

BY: (Mr.) Ted Bilberry, Director Gil & Gas Department

GBH/mar/e

cc: United States Geological Survey P. C. Drawer 1857 Roswell, New Mexico

> Gil Conservation Commission Santa Fe, New Mexico

DRAFT

JMD/esr

#### 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. 2993 Order No. R-

APPLICATION OF SINCLAIR OIL  $\hat{\alpha}$  GAS COMPANY FOR APPROVAL OF THE SOUTH-WEST JAL UNIT AGREEMENT, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 19, 1964, at Santa Fe, New Mexico, before Examiner Elvis A. Utz. Examiner-duly-appointed by the Oil-Conservation Commission of New Mexico, -hereinafter-referred to as the "Commission," in accordance with-Rule-12i4-of-the Commission Rules and Regulations.

NOW, on this <u>day of <u>February</u>, 1964</u>, the Commission, a quorum being present, having considered the **apptoceton**, **xoba** testimony, the record, **extramose xaddamed**, and the recommendations of the Examiner, 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, Sinclair Oil & Gas Company, seeks approval of the Southwest Jal Unit Agreement covering 6,401 acres, more cr less, of State, Federal and Fee lands in Townships 25 and 26 South, Range 36 East, NMPM, Lea County, New Mexico.

(3) That approval of the proposed Southwest Jal Unit Agreement will in principle tend to promote the conservation of oil and gas and the prevention of waste.

#### IT IS THEREFORE ORDERED:

(1) That the Southwest Jal Unit Agreement is hereby approved.

-2-CASE No. 2993

(2) That the plan under which the unit area shall be operated shall be embraced in the form of a unit agreement for the development and operation of the Southwest Jal Unit Area, and such plan shall be known as the Southwest Jal Unit Agreement Plan.

(3) That the Southwest Jal Unit Agreement Plan is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Oil Conservation Commission of New Mexico by law relative to the supervision and control of operations for the exploration and development of any lands committed to the Southwest Jal Unit, or relative to the production of oil or gas therefrom.

(4) (a) That the unit area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO <u>TOWNSHIP 25 SOUTH, RANCE 36 EAST</u> Sections 31 **11 Ablugh 33: All** <u>Section 32 All</u>

V TOWNSHIP 26 SOUTH, RANGE 36 EAST Section 3: W/2 Sections 4 made gh 9: All **1**1 Soction-------<del>6.</del> Section All 7. Section AH 8: Section All Section -9-Alt ✓ Section 10: W/2

containing 6,401 acres, more or less.

(b) That the unit area may be enlarged or contracted as provided in said plan; provided, however, that administrative approval for expansion or contraction of the unit area must also be obtained from the Secretary-Director of the Commission.

(5) That the unit operator shall file with the Commission an executed original or executed counterpart of the Southwest Jal

#### -3-CASE No. 2993

. .

> Unit Agreement within 30 days after the effective date thereof. In the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(6) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey, and shall terminate <u>ipso facto</u> upon the termination of said unit agreement. The last unit operator shall notify the Commission immediately in writing of such termination.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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



BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico February 19, 1964 EXAMINER HEARING 243-6601 DEARNLEY, MEIER, WILKINS and CROWNOVER IN THE MATTER OF: Phone Application of Sinclair Oil & Gas Company for a unit agreement, Lea County, New Mexico Mexico Case No. 2993 General Court Reporting Service New Albuquerque, BEFORE: ELVIS A. UTZ, EXAMINER Suite 1120 Simms Building TRANSCRIPT OF HEARING MR. UTZ: Call Case 2993. DURRETT: Application of Sinclair Oil & Gas for a unit MR. agreement, Lea County, New Mexico. MR. WHITE: If the examiner please, Charles White of Gilbert,



PAGE 2
PAGE 3 White & Gilbert, Santa Fe, appearing on behalf of the applicant. We have two witnesses to be sworn. (Witnesses sworn) MR. UTZ: Are there other appearances in this case? Phone 243-6691 C. R. McCLAIN, called as a witness herein, first having been duly sworn on oath, was examined and testified as follows: DIRECT EXAMINATION Mexico BY MR. WHITE: General Court Reporting Service Would you state your full name for the record, please? Q New C. R. McClain. А 5.C. lbuquerqi By whom are you employed and in what capacity? Q By Sinclair Oil and Gas Company, Land Man. А MR. UTZ: How do you spell McClain, M-c-C-l-a-i-n? M-c-C-l-a-i-n. А Building MR. UTZ: Thank you. Q (By Mr. White) Are you familiar with Sinclair's Simms . proposed unit agreement? Suite 1120 I am. А Q Do you have a plat showing the unit? А Yes, sir, I have. Exhibit One is a plat showing the unit area comprised of 6400 acres, described as all of Sections 31, 32 and 33, Township 25 South, Range 36 East, West Half of Section

DEARNLEY, MEIER, WILKINS and CROWNOVER



3, all of Sections 4, 5, 6, 7, 8, 9 and the west half of Section 10. 26 South, Range 36 East, Lea County, New Mexico. What else does the exhibit show? Q A The exhibit shows various tract numbers. It shows the 13-6691 acreage owned by the federal government, by the state of New 47 Mexico and the fee acreage. It shows the lease ownership, the Phone lessees of record in the unit area. It shows our proposed location as being 1980 from the north and east lines of Section 4. Mexico Now, would you refer to EXHIBIT 2? Q EXHIBIT 2 shows the unit area outlined, indicates the Α Newoffset leasehold owners. Albuquerque, Now do you have a schedule showing the ownership of Q the mineral interest underlying these lands? That is EXHIBIT 3. It is Schedule B to the А Yes, Sir. Unit Agreement. Building Thank you. All right. Q If the Examiner please, that is attached to MR. WHITE: Simms the Unit Agreement. Suite 1120 MR. UTZ: What page do you say it was? EXHIBIT B to the Unit Agreement. Right on the end of A the proposed Unit Agreement. It is a schedule. This exhibit shows the tracts, the description of the tracts, acreage in the tracts, the lessee of record, the royalty owner, and the working interest owners, their respective interests in each tract.



DEARNLEY, MEIER, WILKINS and CROWNOVER General Court Reporting Service DEARNLEY, MEIER, WILKINS and CROWNOVER General Court Reporting Service

Mexico

New

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Buildin

Simms

Suite 1120

(By Mr. White) What percent of the working interest Q owners have agreed to come within the unit?

At this time we have signed commitments from 872 percent A of working interest owners.

243-6691 And what percent do you have of the overriding royalty Q interests? Phone .

Approximately 50 percent of the royalty interest owners A have signed at this time. We expect full commitment.

In other words, you anticipate a hundred percent? Q А We anticipate 100 percent.

Now, your Unit Agreement is EXHIBIT No. 4? Q

EXHIBIT 4 is a Unit Agreement. Yes, Sir. A

Albuquerque, Is that the suggested basic unit agreement as approved Q by the USGS?

That is the form prescribed by the USGS and has been A tentatively approved by the regional office of the USGS, has been approved as to form and content by the Commissioner of Public Lands.

Briefly state what the objects of the Unit Agreement Q are.

We propose to drill a test well to test the Morrow A Formation, or to a depth of 13,500 feet. The agreement provides the first test to be commenced on or about April 30, 1964. It provides that all formations expected to be encountered will be



PAGE 5

|                       | unitized.<br>Q<br>A<br>Q   | Who will be the unit operator?<br>Sinclair Oil and Gas Company will be unit operator.<br>Has the Commissioner of Public Lands of New Mexico           |       |
|-----------------------|--|---|-------|
| ROWNOVER              | approved<br>A<br>has app<br>Q<br>when it   | To form and content, the Commissioner of Public Lands<br>moved it.<br>Will you furnish a confirmed copy of the Unit Agreement<br>t is fully executed? |       |
| WILKINS and CROWNOVER | General Court Reporting Service<br>General Court Reporting Service<br>Albuquerque, New Mexico<br>US<br>Buguerque, New Mexico | We will.<br>Does that complete your testimony?<br>A That completes my testimony.<br>Q Were these exhibits prepared by you or under your               |       |
|                       |  | A They were.<br>Q Thank you.<br>MR. WHITE: At this time we offer EXHIBITS 1 through<br>n evidence.  | 1     |
|                       | DFAR<br>Suite 1120 Sin<br>p  | MR. UTZ: Without objection,<br>Il be entered into the record of this case. Are there ques<br>the witness? The witness man be excused. Are there stat  |       |
|                       |  | b be made in this case?<br>MR. WHITE: We have one other witness, if the Exami<br>Dlease.  | <br>3 |

page 7

|                                 | ſ                         |                 |   |  |  |
|---------------------------------|---------------------------|-----------------|---|--|--|
|                                 |                           |                 | DALE K. RITTENHOUSE   |  |  |
|                                 |                           | Called as       | a witness herein, having been first duly sworn on oath,     |  |  |
|                                 |                           | was exami       | ned and testified as follows:                               |  |  |
|                                 | 691                       |                 | DIRECT EXAMINATION  |  |  |
|                                 | 43-0                      | P BY MR. WHITE: |   |  |  |
| ć                               | Phone 243-6691            | 2               | Would you state your name.                                  |  |  |
|                                 | Pho                       | A               | Dale K. Rittenhouse.  |  |  |
|                                 |                           | Q               | By whom are you employed, and in what capacity?             |  |  |
| o;                              | Mexico                    | A               | Sinclair Oil and Gas Company, Roswell District,             |  |  |
| Servic                          | New M                     |                 | Exploration Geologist.                                      |  |  |
| rting                           |                           | Q               | Would you briefly state your educational and profession-    |  |  |
| Repo                            | Albuquerque,              |                 |   |  |  |
| ourt                            | nbnu                      | al backgr       |   |  |  |
| a/ C                            | All                       | A               | I received a BA degree in geology from the University       |  |  |
| General Court Reporting Service | ¢                         | of Colora       | do, June 1957. For the past six and a half years I have     |  |  |
| 0                               | ilding                    | been enga       | ged in exploration activity in the Permian Basin.           |  |  |
|                                 | s Bui                     | Q               | Are you familiar with the subject Unit Agreement?           |  |  |
|                                 | immi                      | A               | I am.   |  |  |
|                                 | Suite 1120 Simms Building | Q               | What geological studies, if any, have you made in this      |  |  |
|                                 | te 11.                    | area?           |   |  |  |
|                                 | Sui                       | A               | I have made regional exploration studies within the         |  |  |
|                                 |                           | general a       | area and supervised the detail exploration and construction |  |  |
|                                 |                           | of the ex       | chibits presented today.                                    |  |  |
|                                 |                           | Q               | Have you done any seismic work?                             |  |  |
|                                 | 1                         | L               |   |  |  |

DEARNLEY, MEIER, WILKINS and CROWNOVER



| A | Yes, | Sir. | We | have. |
|---|------|------|----|-------|
|---|------|------|----|-------|

DEARNLEY, MEIER, WILKINS and CROWNOVER

Q Will you refer to and explain EXHIBIT 5, please?

EXHIBIT 5 is a seismic structure map contoured on top A of the phantom Strawn horizon, using 100 foot contour intervals. 243-660 The explanation of the structure indicated is a minor closure, northeast of the proposed unit outline, and a southwest structur-Phone al terrace or nose. Extending southwestward from the minor structure the Skelly No. 1 West Jal Unit, located in Section 20, 25-36, has completed water free from the Strawn limestone, 200 Mexico feet lower structurally than the east flanking sinclinal feature General Court Reporting Service New of this minor structure. Therefore, this indicates the trapping factor in this area to be stratigraphic. Is there any Morrow production in the unit? Q Albuqu There is no production within the unit boundary. A Where is the closest production? Q Building A The closest production is in the Bell Lake Field, located northwest of the unit boundary. Suite 1120 Simms Is this structure underlying the entire unit, in your Q opinion? Á Yes. Sir, it is. The broad structural terrace underlies the unit outline. Now, will you refer to and explain EXHIBIT No. 7? Q

A We might explain this.

Q What is this line running from the northwest direction?



DEARNLEY, MEIER, WILKINS and CROWNOVER General Court Reporting Service 243-669

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Building

Simms

Suite 1120

The heavy wavy line extending across the east margin А of the unit area indicates the limit of the reservoir, quality Strawn character nature. This is controlled by the Skelly No. 1 West Jal, Section 20, 25-36, and the Skelly No. 1-A, West Jal, Section 21, 25-36. This line is extended southerly paralleling a monoclinal feature on the margin. The central basin platform is indicated on the plat by a light dashed line. Now, will you explain Exhibit Seven, please? Q А Exhibit Six? Six, rather. Q Exhibit Six is an Isopach map, Isopaching the Strawn to А the Devonian interval, using Isopach interval of 100 feet. Exhibit Six indicates the presence of a lower Pennsylvanian dipocenter in the proposed unit area, which will result in a favorable Strawn bioclastic carbonate development.

Q Are Exhibits Five and Six tied to any subsurface control

A Exhibits Five and Six are tied to all of the available subsurface control in the area.

Q Does that complete your testimony on Exhibit Number Six?

A Yes, sir.

Q Now, will you refer to Exhibit Seve, please?

A Exhibit Seven is a three well stratigraphic cross section, crossing an east-west line directly north of the proposed unit area. The three controlwells are the Sun No. 1, Harper-Federal,



PAGE 9

Section 26, Township 25 South, Range 35 East; Skelly Number One West Jal Unit, Section 20, 25 South, 36 East; and Humble's Number One Bates, Section 29, Township 25 South, Range 37 East.

What does that exhibit indicate to you? ର

This stratigraphic cross section with a datum plane А being the base of the Permian, indicates the presence of a lower Pennsylvanian dipocenter, and the presence of bioclastic carbonate in the Strawn limestone to a basin section in the Sun Number One Harper and termination of this bioclastic reservoir to the east by pre-Permian trunkation ...

Q What is your primary objective?

The primary objection in the unit area will be the А Albuquerque, Strawn bioclastic limestone. The nearest production from this formation is found in the Skelly Number One West Jal, located one and a half miles North of the North boundary of the proposed unit. Building This wildcat discovery potentialed calculated open flow of 310 million cubic feet of gas per day.

Simmis Should the first well prove productive, would it be ରୁ reasonable to assume that the entire unit would be likewise Suite 1120 productive in the Strawn formation?

A Yes.

243-6601

Phone :

New Mexico

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

In your opinion, would the granting of this application Q be in the interest of conservation and then toward the prevention of waste?

Yes, sir, it would А



MR. UTZ: Are there questions of the witness? MR. WHITE: Were these exhibits prepared by you or under your direction? Phone 243-6691 Yes, sir, these exhibits were prepared under my Α DEARNLEY, MEIER, WILKINS and CROWNOVER direction. MR. WHITE: At this time, we move for the admission of Exhibits Five through Seven. MR. UTZ: Have the exhibits been marked officially up Mexico there? Without objection, Exhibit Five through Seven will be General Court Reporting Service Niew entered into the record of this case. Are there questions of the witness? The witness may Albuquerque, be excused. Are there statements in this case? The case will be taken under advisement. Suite 1120 Simms Building

MR. WHITE: That concludes our testimony.

**P** 

STATE OF NEW MEXICO (

COUNTY OF BERNALILLO (

Phone 243-6691

New Mexico

Albuquerque,

Suite 1120 Simms Building

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

I, ROY D. WILKINS, Notary <sup>4</sup>ublic in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal of Office, this 29th day of February, 1964.

0.

NOTARY PUBLIC

MY COMMISSION EXPIRES:

September 6, 1967.

I do hereby certify that the foregoing is a complete record of the property in the Exections handling of tase 4. 29.9.3. heard by Ac on Detrify 306.4. New Mexico Oil Conservation domnission





| ſ                       | White & G | ilbert, Santa Fe, appearing on behalf of the applicant.   |
|-------------------------|-----------|---|
|                         | We have t | wo witnesses to be sworn.                                 |
|                         |           | (Witnesses sworn)   |
| 1                       |           | MR. UTZ: Are there other appearances in this case?        |
| 600                     |           |   |
| 43-                     |           | C. R. MCCLAIN,  |
| Phone 243-6691          | called as | a witness herein, first having been duly sworn on oath,   |
| Pho                     | was exami | ned and testified as follows:                             |
|                         |           | DIRECT EXAMINATION  |
| xico                    | BY MR. WH | ITE:  |
| w Me                    | Q         | Would you state your full name for the record, please?    |
| e, Ne                   | А         | C. R. McClain.  |
| Albuquerque, New Mexico | Q         | By whom are you employed and in what capacity?            |
| hpudu                   | А         | By Sinclair Oil and Gas Company, Land Man.                |
| Al                      |           | MR. UTZ: How do you spell McClain, M-c-C-l-a-i-n?         |
| ви                      | А         | M-c-C-l-a-i-n.  |
| Building                |           | MR. UTZ: Thank you.                                       |
|                         | ୍         | (By Mr. White) Are you familiar with Sinclair's           |
| Sim                     | proposed  | unit agreement?   |
| Suite 1120 Simms        | А         | I am.   |
| uite 1                  | ଢ         | Do you have a plat showing the unit?                      |
| Ś                       | А         | Yes, sir, I have. Exhibit One is a plat showing the       |
|                         | unit area | comprised of 6400 acres, described as all of Sections 31  |
|                         | 32 and 33 | 3, Township 25 South, Range 36 East, West Half of Section |
|                         | -         |   |

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DEARNLEY, MEIER, WILKINS and CROWNOVER General Court Reporting Service

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|                                  |                         | 3, all of Sections 4, 5, 6, 7, 8, 9 and the west half of Section   |
|----------------------------------|-------------------------|--|
|                                  |                         | 10, 26 South, Range 36 East, Lea County, New Mexico.   |
|                                  |                         | Q What else does the exhibit show?   |
|                                  |                         | A The exhibit shows various tract numbers. It shows the  |
| R                                |                         | acreage owned by the federal government, by the state of New   |
| <b>IVE</b>                       |                         | Mexico and the fee acreage. It shows the lease ownership, the  |
| NC                               |                         | lessees of record in the unit area. It shows our proposed location   |
| MO                               |                         | as being 1980 from the north and east lines of Section 4.  |
| CR                               |                         | Q Now, would you refer to EXHIBIT 2?<br>A EXHIBIT 2 shows the unit area outlined, indicates the  |
| EY, MEIER, WILKINS and CROWNOVER | Service                 |  |
| SN                               | ing Ser                 |  |
| [KI]                             | Report                  | Q Now do you have a schedule showing the ownership of<br>the mineral interest underlying these lands?  |
| II.M                             | ourt ]                  | the mineral interest underlying these lands?   |
| ER,                              | General Court Reporting | A Yes, Sir. That is EXHIBIT 3. It is Schedule B to the<br>Unit Agreement.<br>Q All right. Thank you.<br>MR. WHITE: If the Examiner please, that is attached to |
| IEII                             | Gene                    | Unit Agreement.  |
| <i>K</i> , <i>N</i>              | :                       | Q All right. Thank you.  |
| LEN                              |                         | MR. WHITE: If the Examiner please, that is attached to   |
| RN                               |                         | the Unit Agreement.  |
| DEARNLI                          |                         |  |
| Τ                                |                         | MR. UTZ: What page do you say it was?<br>A EXHIBIT B to the Unit Agreement. Right on the end of  |
|                                  |                         | the proposed Unit Agreement. It is a schedule. This exhibit  |
|                                  |                         | shows the tracts, the description of the tracts, acreage in the  |
|                                  |                         | tracts, the lessee of record, the royalty owner, and the working   |
|                                  |                         | interest owners, their respective interests in each tract.   |

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DEARNLEY, MEIER, WILKINS and CROWNOVER General Court Reporting Service

Suite 1120

(By Mr. White) What percent of the working interest Q owners have agreed to come within the unit?

At this time we have signed commitments from 873 percent A of working interest owners.

243-6691 And what percent do you have of the overriding royalty Q interests?

Phone : Approximately 50 percent of the royalty interest owners A have signed at this time. We expect full commitment.

> In other words, you anticipate a hundred percent? Q We anticipate 100 percent. A

Now, your Unit Agreement is EXHIBIT No. 4? Q

EXHIBIT 4 is a Unit Agreement. Yes, Sir. A

Albuquerque, Now Mexico Is that the suggested basic unit agreement as approved Q by the USGS?

That is the form prescribed by the USGS and has been A Buildi tentatively approved by the regional office of the USGS, has been approved as to form and content by the Commissioner of Public Simms Lands.

Briefly state what the objects of the Unit Agreement Q are.

We propose to drill a test well to test the Morrow A Formation, or to a depth of 13,500 feet. The agreement provides the first test to be commenced on or about April 30, 1964. It provides that all formations expected to be encountered will be



|                                  |                                 | ſ            | unitized.   |
|----------------------------------|---------------------------------|--------------|---|
|                                  |                                 |              | Q Who will be the unit operator?                                  |
|                                  |                                 |              | A Sinclair Oil and Gas Company will be unit operator.             |
|                                  |                                 | H            | Q Has the Commissioner of Public Lands of New Mexico              |
| R                                |                                 | 243-6691     | approved this?  |
| EY, MEIER, WILKINS and CROWNOVER |                                 |              | A To form and content, the Commissioner of Public Lands           |
| NO                               |                                 | Phone        | has approved it.  |
| MO                               |                                 | T            | Q Will you furnish a confirmed copy of the Unit Agreement         |
| CR                               |                                 | Mexico       | when it is fully executed?  |
| and                              | ervice                          | o Me         | A We will.  |
| NS                               | General Court Reporting Service | , New        | Q Does that complete your testimony?                              |
| (KII                             | Report                          | Albuquerque, | A That completes my testimony.                                    |
| <i>IIM</i>                       | ourt I                          | mbnc         | Q Were these exhibits prepared by you or under your               |
| ΞR,                              | eral C                          | All          | direction?  |
| (EII                             | Gene                            | ßı           | A They were.  |
| V / W                            |                                 | Building     | Q Thank you.  |
| LEY                              |                                 |              | MR. WHITE: At this time we offer EXHIBITS 1 through               |
| DEARNL                           |                                 | Simms        | 4 in evidence.  |
| DEA                              |                                 |              | MR. UTZ: Without objection, EXHIBITS 1 through 4                  |
| Γ                                |                                 | Suite 1120   | will be entered into the record of this case. Are there questions |
|                                  |                                 | Š            | of the witness? The witness man be excused. Are there statements  |
|                                  |                                 |              | to be made in this case?  |
|                                  |                                 |              | MR. WHITE: We have one other witness, if the Examiner             |
|                                  |                                 |              | please.   |

**X** 



| A | Yes, | Sir. | We | have. |
|---|------|------|----|-------|
|---|------|------|----|-------|

DEARNLEY, MEIER, WILKINS and CROWNOVER

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Q Will you refer to and explain EXHIBIT 5, please?

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Where is the closest production?

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Q Now, will you refer to and explain EXHIBIT No. 7?

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PAGES

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DEARNLEY, MEIER, WILKINS and CROWNOVER



Section 26, Township 25 South, Range 35 East; Skelly Number One West Jal Unit, Section 20, 25 South, 36 East; and Humble's Number One Bates, Section 29, Township 25 South, Range 37 East.

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Q What is your primary objective?

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Should the first well prove productive, would it be reasonable to assume that the entire unit would be likewise productive in the Strawn formation?

A Yes.

243-6601

Phone :

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lbuquerque,

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Suite

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Q In your opinion, would the granting of this application be in the interest of conservation and then toward the prevention of waste?

A Yes, sir, it would.



PAGE 10

MR. UTZ: Are there questions of the witness? MR. WHITE: Were these exhibits prepared by you or under Yes, sir, these exhibits were prepared under my MR. WHITE: At this time, we move for the admission of Exhibits Five through Seven.

MR. UTZ: Have the exhibits been marked officially up New Mexico there? Without objection, Exhibit Five through Seven will be entered into the record of this case.

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Are there questions of the witness? The witness may be excused. Are there statements in this case? The case will be taken under advisement.

PAGE 11

DEARNLEY, MEIER, WILKINS and CROWNOVER General Court Reporting Service

Phone 243-6691

your direction?

Α

direction.

Albuquerque, Suite 1120 Simms Building



February 19, 1964

Sinclair Oil & Gas Company P. D. Box 1677 Roswell, New Mexico

> Re: Southwest Jal Unit Lea County, New Mexico

Attention: Mr. C. R. McClain

Gentlemen:

The Commissioner of Public Lands has approved as of February 19, 1964, the Southwest Jal Unit Agreement, Lea County, New Mexico, subject to like approval by the United States Geological Survey.

We are handing six originally signed Certificates of Approval to Mr. McClain, also Official Receipt No. G-37185 in the amount of Fifty five (\$55.00) Dollars which covers the filing fee.

Very truly yours,

E. S. JOHNNY WALKER COMMISSIONER OF PUBLIC LANDS

# BY:

(Mrs.) Marian M. Rhea, Supervisor Unit Division

ESW/mmr/v

cc: Oil Conservation Commission Santa Fe, New Mexico

> United States Geological Survey Roswell, New Mexico

DOVERNOS JACK M. CAMPBELL CHAIRMAN

# State of New Mexico

# **Gil Conserbation Commission**



March 13, 1964

8 0. 80X 871 BANTA FE STATE SECLODIST A. L. PORYER, JR. SECRETARY - DIRECTOR

LAND COMMISSIONER E. B. JOHNNY WALKER MEMBER

> Mr. Charles White Gilbert, White & Gilbert Attorneys at Law Post Office Box 787 Santa Fe, New Mexico

Re: Case Ho.\_

Applicant:

Sinclair Oil & Gas Company

2993

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ir/

Carbon copy of order also sent to:

Hobbs OCC ×

Artesia OCC

Astec OCC

OTHER

# 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 PURPOJE OF CONSIDERING:

> CASE No. 2993 Order No. R-2662

APPLICATION OF SINCLAIR OIL & GAS COMPANY FOR APPROVAL OF THE SOUTH-WEST JAL UNIT AGREEMENT, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 19, 1964, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 13th day of March, 1964, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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, Sinclair Oil & Gas Company, seeks approval of the Bouthwest Jal Unit Agreemant covering 6,401 acres, more or less, of State, Federal and Fee lands in Townships 25 and 26 Bouth, Range 36 East, NMPM, Lea County, New Maxico.

(3) That approval of the proposed Southwest Jal Unit Agreement will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREPORE ORDERED:

(1) That the Southwest Jal Unit Agreement is hereby approved.

(2) That the plan under which the unit area shall be operated shall be embraced in the form of a unit agreement for the -2-CASE No. 2993 Order No. R-2662

development and operation of the Southwest Jal Unit Area, and such plan shall be known as the Southwest Jal Unit Agreement Plan.

(3) That the Southwest Jal Unit Agreement Plan is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Oil Conservation Commission of New Mexico by law relative to the supervision and control of operations for the exploration and development of any lands committed to the Southwest Jal Unit, or relative to the production of oil or gas therefrom.

(4) (a) That the unit area shall be:

#### NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO TOWNSHIP 25 SOUTH, RANGE 36 EAST Sections 31 through 33: All

TOWNSHIP 26 SOUTH, RANGE 36 EAST Section 3: W/2 Sections 4 through 9: All Section 10: W/2

containing 6,401.20 acres, more or less.

(b) That the unit area may be enlarged or contracted as provided in said plan; provided, however, that administrative approval for expansion or contraction of the unit area must also be obtained from the Secretary-Director of the Commission.

(5) That the unit operator shall file with the Commission an executed original or executed counterpart of the Southwest Jal Unit Agreement within 30 days after the effective date thereof. In the evant of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(6) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States -3-Case No. 2993 Order No. R-2662

Geological Survey, and shall terminate <u>ipso facto</u> upon the termination of said unit agreement. The last unit operator shall notify the Commission immediately in writing of such termination.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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



esr/

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

CAMPBELI Chairman

le l. Parter, h.

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

# 

IN THE BAXIES OF THE LEFT.CH. GRAINLON OF NEW MELTON FOR THE FURPORE OF CONSIDERLING

> CAON NO. 2393 Sider 30. 3-2662

NOPLONATION OF SINCLEUN NOW & GAN SCHPARY FOR APPENVAL OF THE COMM-SELT JAL UNIT AGRESISTAT, LON LEADEY, EAST MARION.

# CREAL OF THE CAMPLE LAS

#### str The cost and the to the

This cause came on for hearing at 9 ofeleck s.m. or Schrunry 19, 1954, at only 94, New Series, before accular Sigis A. Sta.

NOW, on this 2 day of earch, 1964, the consistion, a querus being present, having considered the testimony, the record, and the recommendations of the chasiner, and being fully advised in the pressions,

# LED I

(1) That doe public motion having boun given as required by inv, the domniation has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant; inclair Oil & Can Company, seeks approval of the Southwost Jal Unit Agrosmant covering 5.401 acres, acre or leas, of State, federal and Fee Lands in Townships 25 and 26 South, Range 36 East, 1999, LAR County, New Maxico.

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(1) That the bouthwart del unit Agreement is becapy approved.

(2) That the plan under which the unit area shall be operated shall be embraced in the form of a unit agreement for the -2-CASE 20. 2933 Crides 30. 8-2662

development and operation of the Southwest Sal Unit Area, and such plan shall be known as the Southwest Sal Unit Agreemant Flan.

(3) That the Couldwest Jal Unit Agreement flam is hereby approved in principle as a proper conservation measure; provided, bowever, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as weiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Oil Conservation Commission of New Mexico by law relative to the supervision and control of operations for the exploration and development of any lands committed to the Southwest Jal Unit, or relative to the production of Sil or gas therefrom.

(4) (a) That the unit area shall be:

HON MALICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO

TOWNSHIP 25 STATE. RANSS 36 SANT Soutions 31 through 33: All

TOWNSHIP 26 COUTL MEDE 35 PAST Section 3: N/2 Sections 4 through 9: All Section 10: N/2

containing 6,401.20 acres, more or less.

(b) That the unit area may be enlarged or contracted as provided in seld plan; provided, however, that administrative approval for expansion or contraction of the unit area must also be obtained from the secretary-Director of the Convission.

(5) That the unit operator shall file with the Commission an executed original or encoured counterpart of the Southwest Jal Unit Agreement within 30 days after the effective date thereof. In the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of these intereats having joined or ratified.

(6) That this order chall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Maxico and the Sirector of the United States -3-CASE No. 2993 Order No. R-2662

Geological Jurvey, and shall terminate <u>1980</u> <u>facto</u> upon the termination of said unit agreement. The last unit operator shall notify the commission immediately in writing of such termination.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem mecessary.

DONE at santa Pa, Now Marico, on the day and your bereinabove designated.

> STATE OF MEN MEXICO OIL COMPERVATION CONSISSION

JACK H. CAMPESIL, Chairman

2. J. WALKER, Hamber

SAL

A. L. PORTER, Sr., Member & Secretary

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DOCKET NO. 6-64

DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 19, 1964

9 A. M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

- **CASE 2991:** In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Dwight L. Smith and all other interested parties to appear and show cause why the Walker Well No. 1, located 2290 feet from the South line and 500 feet from the East line of Section 21, Township 15 South, Range 11 East, Otero County, New Mexico, should not be plugged in accordance with a Commission-approved plugging program.
- CASE 2992: Application of Co solidated Oil & Gas, Inc., for an unorthodox location, Rio Arrioa County, New Mexico. Applicant, in the above-styled cause, seeks approval of the unorthodox location of their Hoyt Well No. 3-5, located 1850 feet from the North line and 11 0 feet from the West line of Section 5, Township 26 North, Range 4 West, Blanco Me averde Pool, Rio Arriba County, New Mexico.
- CASE 2993: Application of Sinclair Oil & Gas Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Southwest Jal Unit Area comprising 6401 acres, more or less, of State, Federal and fee lands in Townsnips 25 and 26 South, Range 36 East, Lea County, New Mexico.
- CASE 2994: Application of Skelly Oil Company for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the abovestyled cause, seeks authority to institute a pressure maintenance project in the Gallup formation underlying its Navajo "P" and "M" leases in Sections 25, 26, 33, 34, 35, and 36, Township 32 North, Range 17 West, Many Rocks-Gallup Oil Pool, San Juan County, New Mexico. Initial injection will be through applicant's Navajo "P" Well No.6 located in Unit P of said Section 35. Applicant further seeks the promulgation of special rules governing the operation of said project.
- CASE 2995: Application of Deane H. Stoltz for two non-standard oil proration units, Lea County, New Mexico. Applicant, in the abovestyled cause, seeks approval of two 80-acre non-standard oil proration units in the North Bagley-Upper Pennsylvanian Pool, Lea County, New Mexico, the first to comprise the SE/4 NE/4 and NE/4 SE/4 of Section 22, Township 11 South, Range 33 East, to be dedicated to a well completed in the SE/4 NE/4 of Section 22; the second to comprise the SW/4 NE/4 and the NW/4 SE/4 of

Docket No. 6-64

CASE 2995: said Section 22 to be dedicated to a well to be re-entered (Cont.) in the SW/4 NE/4 of said Section 22.

CASE 2984: (Continued from the February 5th Examiner Hearing)

Application of The Pure Oil Company and Continental Carbon Company to utilize natural gas in a carbon black plant, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to utilize approximately 7 million cubic feet of Morrow gas per day in the Continental Carbon Company carbon black plant near Eunice, New Mexico, said gas to be produced from The Pure Oil Company Wilson Deep Unit Well No. 1, located in the SE/4 NW/4 of Section 13, Township 21 South, Range 34 East, Lea County, New Mexico.

CASE 2996: Application of Nearburg & Ingram for the creation of a new gas pool and for special temporary pool rules, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new gas pool for San Andres production in Sections 10, 11, 12, 13, 14 and 15, Township 8 South, Range 37 East, Roosevelt County, New Mexico, and for the establishment of temporary rules therefor, including provisions for 320 acre spacing.

#### CASE 2739: (Reopened)

In the matter of Case No. 2739 being reopened pursuant to the provisions of Order No. R-2421, which order established temporary 80-acre proration units for the North Vacuum-Abo Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre proration units.

# CASE 2740: (Reopened)

In the matter of Case No. 2740 being reopened pursuant to the provisions of Order No. R-2422, which order established temporary 80-acre proration units for the Vacuum-Wolfcamp Oil Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre proration units.

#### CASE 2741: (Reopened)

In the matter of Case No. 2741 being reopened pursuant to the provisions of Order No. R-2423, which order established temporary 80-acre proation units for the Vacuum-Devonian Oil Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre proration units.

-2-

Docket No. 6-64

CASE 2742: (Reopened)

In the matter of Case No. 2742 being reopened pursuant to the provisions of Order No. R-2424, which order established temporary 80-acre oil proration units for the Fowler-Blinebry Oil Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre proration units.

#### CASE 2743: (Reopened)

In the matter of Case No, 2743 being reopened pursuant to the provisions of Order No. R-2425, which order established temporary 320-acre spacing units for the Fowler-Tubb Gas Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 160-acre spacing units.

# CASE 2744: (Reopened)

In the matter of Case No. 2744 being reopened pursuant to the provisions of Order No. R-2426, which order established temporary 320-acre spacing units for the Fowler-Paddock Gas Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 160-acre spacing units.

CASE 2997: Application of Socony Mobil Oil Company, Inc., for the abolishment of an existing pool and the creation of two new oil pools, and for special temporary pool rules, Lea County, New Mexico, Applicant, in the above-styled cause, seeks the creation of a new oil pool for lower Pennsylvanian production in Section 26, Township 17 South, Range 34 East, Lea County, New Mexico, and for the establishment of temporary rules therefor, including provisions for 80-acre units and for the establishment of a gas-oil ratio limitation of 6000 cubic feet of gas per barrel of oil produced. Said pool would be created by the abolishment of the Vacuum-Pennsylvanian Pool in Township 17 South, Range 34 East, and the subsequent creation of the Vacuum Upper Pennsylvanian and Vacuum Lower Pennsylvanian Pools.

CASE 2998: Application of Tenneco Oil Company for a gas well-water injection well, San Juan County, New Mexico. Applicant, in the abovestyled cause, seeks authority to dually complete its Central Totah Unit Well No. 24 located in Unit O of Section 11, Township 28 North, Range 13 West, San Juan County, New Mexico, to produce gas from the Basin-Dakota Gas Pool through 1 ½ inch tubing and to inject water into the Gallup formation, Totah-Gallup Oil Pool, through 2 1/16 inch tubing with separation of the zones by a packer set at 5766 feet.

#### Docket No. 6-64

CASE 2999: Application of Phillips Petroleum Company for two nonstandard oil proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the approval of an 80-acre non-standard oil proration unit for each of two pools, the Vacuum Wolfcamp Pool and the North Vacuum Abo Pool, said units to comprise the NW/4 SW/4 and the SW/4 NW/4 of Section 31, Township 17 South, Range 35 East, Lea County, New Mexico, to be dedicated to applicant's Santa Fe Well No. 87, located 2310 feet from the South line and 660 feet from the West line of said Section 31.

CASE 3000: Application of Franklin, Aston & Fair Inc. for the creation of a San Andres Gas Pool and for special pool rules, Roosevelt County, New Mexico. Applicant, in the abovestyled cause, seeks the creation of a new San Andres Gas Pool comprising all or portions of Sections 22, 23, 25, 26, 27 and 28, Township 7 South, Range 35 East, and the establishment of special pool rules, including 320 acre spacing and fixed well locations, Roosevelt County, New Mexico.

CASE 2979: (Continued from February 5, 1964, Examiner Hearing)

Application of Pan American Petroleum Corporation for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Abo formation through its U.S.A. Malco Refineries 'G' Well No. 13, located 2302 feet from the South line and 1650 feet from the West line of Section 10, Township 18 South, Range 27 East, Empire Abo Pool, Eddy County, New Mexico.

-4-

# REFORE THE OIL CONSERVATION COMMISSION OF THE

# STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF SINCLAIR OIL & GAS COMPANY FOR APPROVAL OF THE SOUTHWEST JAL UNIT AGREEMENT EMBRACING 6401.20 ACRES, MORE OR LESS, LOCATED IN TOWNSHIPS 25 AND 26 SOUTH, RANGE 36 EAST, N. M. P. M., LEA COUNTY, NEW MEXICO,

CASE NO. 3772 ORDER NO.

# APPLICATION

SINCLAIR OIL & GAS COMPANY, a Maine corporation with an operating office in Midland, Texas, hereby files application for approval of the Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, and in support thereof shows:

1.

That applicant files as a part hereof three copies of said unit agreement, which embraces the following described land as constituting the unit area:

# New Mexico Principal Meridian, New Mexico

Township 25 South, Range 36 East

| Section | 31 | All |
|---------|----|-----|
| Section | 32 | All |
| Section | 33 | All |
|         |    |     |

# Township 26 South, Range 36 East

| Section<br>Section<br>Section<br>Section<br>Section | 4<br>56<br>78 | W/2<br>All<br>All<br>All<br>All<br>All |
|---|---------------|--|
| Section   |               | ALL<br>ALL                             |
| Section   | 10            | W/2                                    |

situated in Lea County, New Mexico, and containing 6401.20 acres.

Said lands have been designated by the Director of the United States Geological Survey as logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act. The area consists of 5,561.20 acres of federal lands, 640 acres of state lands and 200 acres of fee lands which is, respectively, 86.88%, 10% and 3.12% of the unit area. A map of the unit area is attached as Exhibit A to the unit agreement.

DOCKET MAILED

Date 2-10-64

That the substances unitized in the agreement are all oil and gas in the hereinabove specified lands as to all formations.

3.

2.

That the unit area embraces all of the geological features reasonably expected to be productive of unitized substances and, therefore, operation and development of the area as a unit will contribute to orderly development and will be in the interest of conservation.

4.

The applicant, Sinclair Oil & Gas Company, is designated as Unit Operator and is required within six months after the effective date of the unit agreement to commence a well and thereafter drill same to a total depth of 13,500 feet or such lesser depth as will test the Morrow formation of the Pennsylvanian Age, unless unitized substances are discovered in paying quantities at a lesser depth. The unit operator is required to continue drilling diligently one well at a time with not more than six months between the completion of one well and the commencement of another well until the discovery of a deposit of unitized substances capable of being produced in paying quantities, and after discovery the unit operator is required to submit for the approval of the Supervisor of the United States Geological Survey and the Commissioner of Public Lands an acceptable plan of development and operation which, when approved, constitutes the further drilling and operating obligations of the unit operator. Said agreement is in substantially the same form as unit agreements heretcfore approved by the Commissioner of Public Lands of the State of New Mexico and by the New Mexico Oil Conservation Commission.

5.

That attached hereto as Exhibit "A" and made a part hereof is a list of the names and addresses of all persons or

-2-

parties having a working interest, royalty or overriding royalty interest in the unit area, which are all interested parties known to applicant.

6.

N. M.L.

That application is being made for the approval of said unit agreement by the Commissioner of Public Lands of the State of New Mexico.

7.

Applicant believes and therefore alleges that in the event oil or gas in paying quantities is discovered on lands within the unit area, the pool can be developed more economically and efficiently under the terms of said unit agreement to the end that the maximum recovery will be obtained, and that said agreement is in the interest of the conservation of oil and gas and the prevention of waste. Applicant would further show that the agreement is fair to all royalty owners.

WHEREFORE, applicant prays that this application be set for public hearing before an examiner in Santa Fe, New Mexico, that notice be issued hereon according to law, and that upon hearing said unit agreement be approved.

> HORACE N. BURTON P. O. Box 1470 Midland, Texas

GILBERT, WHITE AND GILBERT

By <u>W</u>

Bishop Building Santa Fe, New Mexico

ATTORNEYS FOR APPLICANT SINCLAIR OIL & GAS COMPANY

# FREFORE THE OLL CONSERVATION COMMISSION OF THE

#### STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF SINCLAIR OIL & GAS COMPANY FOR AFFNOVAL OF THE SOUTHWEST JAL UNIT AGREEMENT EMBRACING 6401.20 ACRES, MORE OR LESS, LOCATED IN TOWNSHIPS 25 AND 26 SOUTH, RANGE 36 EAST, N. M. P. M., LEA COUNTY, NEW MEXICO

CASE NO. \_ 9972 ORDER NO.

#### APPLICATION

SINCLAIR OIL & GAS COMPANY, a Maine corporation with an operating office in Midland, Texas, hereby files application for approval of the Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, and in support thereof shows:

1.

That applicant files as a part hereof three copies of said unit agreement, which embraces the following described land as constituting the unit area:

### New Mexico Principal Meridian, New Mexico

Township 25 South, Range 36 East

| Section | 31 | All |
|---------|----|-----|
| Section | 32 | A11 |
| Section | 33 | A11 |

Township 26 South, Range 36 East

| Section | 3  | ₩/2 |
|---------|----|-----|
| Section | 4  | AII |
| Section | 5  | All |
| Section | 6  | A11 |
| Section | 7  | A11 |
| Section | 8  | A11 |
| Section | 9  | All |
| Section | 10 | ¥/2 |

situated in Lea County, New Mexico, and containing 6401.20 acres.

Said lands have been designated by the Director of the United States Geological Survey as logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act. The area consists of 5,561.20 acres of federal lands, 640 acres of state lands and 200 acres of fee lands which is, respectively, 86.88%, 10% and 3.12% of the unit area. A map of the unit area is attached as Exhibit A to the unit agreement. That the substances unitized in the agreement are all oil and gas in the hereinabove specified lands as to all formations.

3.

2.

That the unit area embraces all of the geological features reasonably expected to be productive of unitized substances and, therefore, operation and development of the area as a unit will contribute to orderly development and will be in the interest of conservation.

4.

The applicant, Sinclair Oil & Gas Company, is designated as Unit Operator and is required within six months after the effective date of the unit agreement to commence a well and thereafter drill same to a total depth of 13,500 feet or such lesser depth as will test the Morrow formation of the Pennsylvanian Age, unless unitized substances are discovered in paying quantities at a lesser depth. The unit operator is required to continue drilling diligently one well at a time with not more than six months between the completion of one well and the commencement of another well until the discovery of a deposit of unitized substances capable of being produced in paying quantities, and after discovery the unit operator is required to submit for the approval of the Supervisor of the United States Geological Survey and the Commissioner of Public Lands an acceptable plan of development and operation which, when approved, constitutes the further drilling and operating obligations of the unit operator. Said agreement is in substantially the same form as unit agreements heretofore approved by the Commissioner of Public Lands of the State of New Mexico and by the New Mexico Oil Conservation Commission.

5.

That attached hereto as Exhibit "A" and made a part hereof is a list of the names and addresses of all persons or

-2-

parties having a working interest, royalty or overriding royalty interest in the unit area, which are all interested parties known to applicant.

6.

That application is being made for the approval of said unit agreement by the Commissioner of Public Lands of the State of New Mexico.

7.

Applicant believes and therefore alleges that in the event oil or gas in paying quantities is discovered on lands within the unit area, the pool can be developed more economically and efficiently under the terms of said unit agreement to the end that the maximum recovery will be obtained, and that said agreement is in the interest of the conservation of oil and gas and the provention of waste. Applicant would further show that the agreement is fair to all royalty owners.

WHEREFORE, applicant prays that this application be set for public hearing before an examiner in Santa Fe, New Mexico, that notice be issued hereon according to law, and that upon hearing said unit agreement be approved.

> HORACE N. BURTON P. O. Box 1470 Midland, Texas

GILBERT, WHITE AND GILBERT

W By

Bishop Building Santa Fe, New Mexico

ATTORNEYS FOR APPLICANT SINCLAIR OIL & GAS COMPANY

# BEFORE THE GIL CONSERVATION COMMISSION OF THE

#### STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF SINCLAIR OIL & GAS COMPANY FOR APPROVAL OF THE SOUTHWEST JAL UNIT AGREEMENT EMERACING 6401.20 ACRES, MORE OR LESS, LOCATED IN TOWNSHIPS 25 AND 26 SOUTH, RANGE 36 EAST, N. M. P. M., LEA COUNTY, NEW MEXICO

| CASE  | NO. | 2493 |
|-------|-----|------|
| ORDER | NO. |      |

## APPLICATION

SINCLAIR OIL & GAS COMPANY, a Maine corporation with an operating office in Midland, Texas, hereby files application for approval of the Unit Agreement for the Development and Operation of the Southwest Jal Unit Area, Lea County, New Mexico, and in support thereof shows:

1.

That applicant files as a part hereof three copies of said unit agreement, which embraces the following described land as constituting the unit area:

New Mexico Principal Meridian, New Mexico

Township 25 South, Range 36 East

| Section<br>Section<br>Section | 32 | 11A<br>11<br>All<br>All |
|-------------------------------|----|-------------------------|
| Decoron                       | 55 | N++                     |

# Township 26 South, Range 36 East

Section 3W/2Section 4AllSection 5AllSection 6AllSection 7AllSection 8AllSection 9AllSection 10W/2

situated in Lea County, New Mexico, and containing 6401.20 acres.

Said lands have been designated by the Director of the United States Geological Survey as logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act. The area consists of 5,561.20 acres of federal lands, 640 acres of state lands and 200 acres of fee lands which is, respectively, 86.88%, 10% and 3.12% of the unit area. A map of the unit area is attached as Exhibit A to the unit agreement. That the substances unitized in the agreement are all oil and gas in the hereinabove specified lands as to all formations.

3.

2,

That the unit area embraces all of the geological features reasonably expected to be productive of unitized substances and, therefore, operation and development of the area as a unit will contribute to orderly development and will be in the interest of conservation.

4.

The applicant, Sinclair Oil & Gas Company, is designated as Unit Operator and is required within six months after the effective date of the unit agreement to commence a well and thereafter drill same to a total depth of 13,500 feet or such lesser depth as will test the Morrow formation of the Pennsylvanian Age, unless unitized substances are discovered in paying quantities at a lesser depth The unit operator is required to continue drilling diligently one well at a time with not more than six months between the completion of one well and the commencement of another well until the discovery of a deposit of unitized substances capable of being produced in paying quantities, and after discovery the unit operator is required to submit for the approval of the Supervisor of the United States Geological Survey and the Commissioner of Public Lands an acceptable plan of development and operation which, when approved, constitutes the further drilling and operating obligations of the unit operator. Said agreement is in substantially the same form as unit agreements heretofore approved by the Commissioner of Public Lands of the State of New Mexico and by the New Mexico Oil Conservation Commission.

5.

That attached hereto as Exhibit "A" and made a part hereof is a list of the names and addresses of all persons or

-2-

parties having a working interest, royalty or overriding royalty interest in the unit area, which are all interested parties known to applicant.

6.

That application is being made for the approval of said unit agreement by the Commissioner of Public Lands of the State of New Mexico,

7.

Applicant believes and therefore alleges that in the event oil or gas in paying quantities is discovered on lands within the unit area, the pool can be developed more economically and efficiently under the terms of said unit agreement to the end that the maximum recovery will be obtained, and that said agreement is in the interest of the conservation of oil and gas and the prevention of waste. Applicant would further show that the agreement is fair to all royalty owners.

WHEREFORE, applicant prays that this application be set for public hearing before an examiner in Santa Fe, New Mexico, that notice be issued hereon according to law, and that upon hearing said unit agreement be approved.

-3-

HORACE N. BURTON P. O. Box 1470 Midland, Texas

GILBERT, WHITE AND GILBERT

U.B By

Bishop Building Santa Fe, New Mexico

ATTORNEYS FOR APPLICANT SINCLAIR OIL & GAS COMPANY