

**BLACKWOOD & NICHOLS Co., LTD.**

2013 FIRST NATIONAL CENTER WEST  
OKLAHOMA CITY, OKLAHOMA 73102

405 235-8505

December 11, 1981

The Oil and Gas Supervisor  
United States Geological Survey  
P.O. Box 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Division  
State of New Mexico  
P.O. Box 2088  
Santa Fe, New Mexico 87501

318

RE: NORTHEAST BLANCO UNIT  
No. 1, Section 929  
San Juan and Rio Arriba  
Counties, New Mexico

Gentlemen:

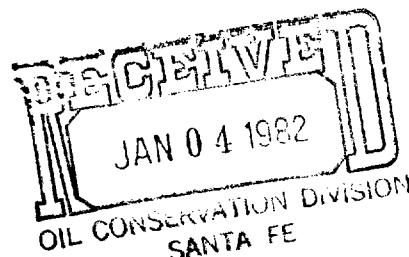
Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases withing the Northeast Blanco Unit, hereby submit a Plan of Development for the calendar year 1982.

The total number of wells in the Northeast Blanco Unit is as follows:

Mesaverde Producing	117
Mesaverde Plugged and Abandoned	9
Dakota Mesaverde (Dual)	4
Dakota	1
Fruitland-Pictured Cliffs	7

Total Mesaverde Cum. Prod. through October 31, 1981 257,455,823 Mcf  
Total Dakota Cum. Prod. through October 31, 1981 4,964,270 Mcf  
Total Fruitland Pictured Cliffs Cum. Prod. through October 31, 1981 362,936 Mcf  
Total Condensate Cum. Prod. through October 31, 1981 75,917.82 Barrels

Unit Operator proposes to drill the following Mesaverde Development wells during 1982 located in:



TOWNSHIP 31 NORTH, RANGE 7 WEST, SAN JUAN COUNTY, NEW MEXICO

NEBU No. 55-A	SE/4, Section 22
NEBU No. 70-A	SE/4, Section 27
NEBU No. 72-A	SE/4, Section 29
NEBU No. 73	NW/4, Section 35
NEBU No. 74	SW/4, Section 26
NEBU No. 75	SW/4, Section 22
NEBU No. 76	NW/4, Section 34
NEBU No. 77	SW/4, Section 15
NEBU No. 78	SW/4, Section 21
NEBU No. 79	SE/4, Section 28

All ten Mesaverde development wells in the 1981 Plan of Development have been drilled and completed.

Pursuant to Section 17 of the Northeast Blanco Unit Agreement, we believe that all Mesaverde Formation well offset obligations have been met. Unit Operator will drill any other wells subsequently deemed necessary or desired by the Unit Operator and the Working Interest Owners.

Four Fruitland-Pictured Cliff wells were proposed within the NEBU area for 1981. Two of these wells were drilled and completed. They are the NEBU No. 206 located in the SW/4 of Section 10, 31N 7W and the NEBU No. 208 in the SW/4 of Section 12, 31N 7W, San Juan County, New Mexico. The NEBU No. 207, SE/4 Section 9, 3N 7W and the NEBU No. 209, SW/4 Section 6, 31N 6W were cancelled because of failure to secure 100% voluntary agreement of the Working Interest Owners in those sections.

The Unit Advisory Committee met October 28, 1981 and approved the proposed 1982 Mesaverde development wells. A Technical Committee was formed to study the Fruitland-Pictured Cliffs formation. The Technical Committee met on November 18, 1981 and proposed the formation of an initial participating area for the Fruitland-Pictured Cliffs Formations. Blackwood & Nichols as operator is preparing the application with the Geological and Engineering information at this time. The application will be submitted in early 1982. An initial participating area of approximately 4847 acres has been recommended by the Technical Committee. Fruitland-Pictured Cliffs development wells have been recommended at the following locations:

TOWNSHIP 31 NORTH, RANGE 7 WEST, SAN JUAN COUNTY, NEW MEXICO

NEBU No. 209	SE/4, Section 1
NEBU No. 210	SE/4, Section 9
NEBU No. 211	NE/4, Section 13
NEBU No. 212	NE/4, Section 14
NEBU No. 213	SE/4, Section 11
NEBU No. 214	NW/4, Section 12
NEBU No. 215	NE/4, Section 16
NEBU No. 216	NE/4, Section 15

A stepout Fruitland-Pictured Cliffs test is also recommended for the NE/4 of Section 27, Township 31N, Range 7W. If the proposed initial participating area for the Fruitland is approved early in 1982 then the Fruitland-Pictured Cliff drilling program shown above will probably be completed in 1982.

If this plan is acceptable, please signify your approval as required under Section 10 of the Unit Agreement, in the space provided on the attached form and return two approved copies to Blackwood & Nichols Co., Ltd.

Very truly yours,

BLACKWOOD & NICHOLS CO., LTD.

A handwritten signature in cursive script that reads "Charles F. Blackwood". The signature is written in dark ink and is positioned above a horizontal line.

Charles F. Blackwood,  
General Partner

CFB:mr

Enclosures; Four copies to each addressee

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

The Oil and Gas Supervisor  
United States Geological Survey  
Subject to like approval by The Commissioner of Public Lands and  
Oil Conservation Division.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Commissioner of Public Lands  
State of New Mexico  
Subject to like approval by The United States Geological Survey  
and Oil Conservation Division

Approved: W. Perry Pearce Date: 2/19/82

Oil Conservation Division  
State of New Mexico  
Subject to like approval by the United States Geological Survey  
and Commissioner of Public Lands

The above approvals are for the Northeast Blanco Unit Agreement No. 1, Section 929,  
San Juan and Rio Arriba Counties, New Mexico,  
1982 Plan of Development.

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 17, 1981

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, Colorado 81301

Attention: DeLasso Loos

Re: Case No. 318  
Northeast Blanco Unit  
1981 Plan of Development  
of the Mesaverde Formation

Gentlemen:

We hereby approve the 1981 Plan of Development of the Mesaverde Formation for the Northeast Blanco Unit, San Juan and Rio Arriba Counties, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Three approved copies of the Plan of Development are returned herewith.

Yours very truly,

JOE D. RAMEY  
Director

JDR/EP/fd  
enc.

cc: U.S.G.S. - Albuquerque  
Commissioner of Public Lands

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**BLACKWOOD & NICHOLS Co., LTD.**

P. O. BOX 1237

DURANGO, COLORADO 81301

(303) 247-0728

December 29, 1980

The Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Division  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

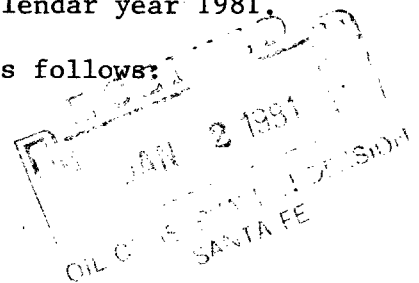
RE: Northeast Blanco Unit  
No. 1, Sec. 929  
San Juan and Rio Arriba  
Counties, New Mexico

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a Plan of Development of the Mesaverde Formation for the calendar year 1981.

The total number of wells in the Northeast Blanco Unit is as follows:

Mesaverde (Producing)	99
Mesaverde (Plugged and Abandoned)	7
Dakota-Mesaverde (Dual)	4
Dakota	1
Fruitland-Pictured Cliffs	5



Total Mesaverde Cumulative Production through October 31, 1980 - 246,520,500 MCF.  
Total Dakota Cumulative Production through October 31, 1980 - 4,805,635 MCF.  
Total Fruitland-Pictured Cliffs Production through October 31, 1980 - 212,917 MCF.  
Total Condensate Production through October 31, 1980 - 72,930 Barrels.

PLAN OF DEVELOPMENT 1981 - PAGE 2

Unit Operator proposes to drill the following Mesaverde development wells. These wells are to be drilled Directionally Controlled under the Navajo Lake located in:

TOWNSHIP 30 NORTH, RANGE 7 WEST, SAN JUAN COUNTY, NEW MEXICO

NEBU NO. 26A NW/4, Section 8  
NEBU No. 32A SE/4, Section 7

Unit Operator proposes to conventionally drill the following Mesaverde development wells located in:

TOWNSHIP 31 NORTH, RANGE 7 WEST, SAN JUAN COUNTY, NEW MEXICO

NEBU NO. 46A NW/4, Section 33  
NEBU NO. 53A NW/4, Section 28  
NEBU NO. 54A SE/4, Section 33  
NEBU NO. 68 NE/4, Section 35  
NEBU NO. 69 NE/4, Section 26  
NEBU NO. 70 NE/4, Section 27  
NEBU NO. 71 NE/4, Section 23  
NEBU NO. 72 NE/4, Section 29

Due to the availability of drilling equipment, wells proposed under the 1980 Plan of Development and Supplement were not begun until September 26, 1980. At the present time we have drilled and set production casing on the Northeast Blanco Unit Well Nos. 47A, 48A, 45A, 37A and 24R. Depending on weather conditions, we should finish the 1980 Plan of Development before January 1, 1981, with the exception of completion, which will be done in 1981.

Pursuant to Section 17 of the Northeast Blanco Unit Agreement, we believe all Mesaverde Formation well offset obligations have been met. Unit Operator will drill any other wells subsequently deemed necessary or desired by the Unit Operator and the Working Interest Owners.

All acreage within the Northeast Blanco Unit boundaries is now participating in the Mesaverde Formation.

From minutes of the Advisory Committee Meeting dated July 22, 1977, and subsequent letter to all Northeast Blanco Unit Working Interest Owners dated July 29, 1977, also from the 1978 and 1980 Plan of Development, owners of Tracts 21A, 47 and 48 drilled five Fruitland-Pictured Cliff Wells in 1979. Under the 1981 Plan of Development, owners of Tracts 21A, 21B, 5 and 48 plan to drill the following Fruitland-Pictured Cliff wells:

TOWNSHIP 31 NORTH, RANGE 6 & 7 WEST, SAN JUAN COUNTY, NEW MEXICO

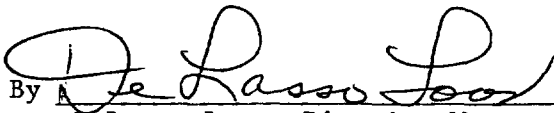
NEBU NO. 206 SW/4, Section 10-R-7W  
NEBU NO. 207 SE/4, Section 9-R-7W  
NEBU NO. 208 SW/4, Section 12-R-7W  
NEBU NO. 209 SW/4, Section 6-R-6W

If this plan is acceptable, please signify your approval as required under Section 10 of the Unit Agreement, in the space provided on the attached form and return two approved copies to Blackwood & Nichols Co., Ltd.

The effective date of the Plan of Development shall be January 1, 1981.

Very truly yours,

BLACKWOOD & NICHOLS CO., LTD.

By   
DeLasso Loos, District Manager

DL:st

Four copies to each addressee



Approved: \_\_\_\_\_ Date: \_\_\_\_\_

The Oil and Gas Supervisor  
United States Geological Survey  
Subject to like approval by The Commissioner of Public Lands and  
Oil Conservation Division.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Commissioner of Public Lands  
State of New Mexico  
Subject to like approval by The United States Geological Survey  
and Oil Conservation Division

Approved:  \_\_\_\_\_ Date: 2/17/81

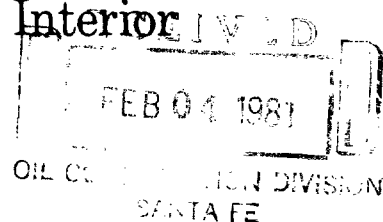
Oil Conservation Division  
State of New Mexico  
Subject to like approval by the United States Geological Survey  
and Commissioner of Public Lands

The above approvals are for the Northeast Blanco Unit Agreement No. 1, Section 929,  
San Juan and Rio Arriba Counties, New Mexico,  
1981 Plan of Development.



# United States Department of the Interior

GEOLOGICAL SURVEY  
South Central Region  
P. O. Box 26124  
Albuquerque, New Mexico 87125



30 JAN 1981

318

Blackwood & Nichols Co. Ltd.  
Attention: DeLasso Loos  
P. O. Box 1237  
Durango, Colorado 81301

Gentlemen:

Two approved copies of your 1981 plan of development for the Northeast Blanco unit area, San Juan and Rio Arriba Counties, New Mexico are enclosed. Such plan, proposing to drill ten Mesaverde wells and four Fruitland/Pictured Cliffs wells, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

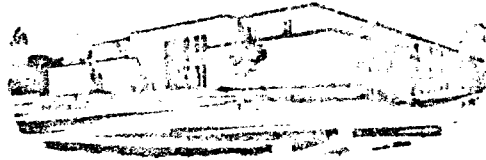
ORIGINAL SIGNED BY:

Gene F. Daniel  
Deputy Conservation Manager  
Oil and Gas

Enclosure

cc:  
NMOCD, Santa Fe (ltr only)

State of New Mexico



318

ALEX J. ARMIJO  
COMMISSIONER

Commissioner of Public Lands  
January 1, 1981

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durando, Colorado 81301

Re: Northeast Blanco Unit  
No. 1, Sec. 929  
San Juan and Rio Arriba  
Counties, New Mexico

ATTENTION: Mr. DeLasso Loos

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Plan of Development of the Mesaverde Formation. Such plan proposes the drilling of wells No. 26A, 32A, 46A, 53A, 54A, 68, 69, 70, 71, and 72. Also owners of Tracts 21A, 21B, 5 and 48 plan to drill four Fruitland-Pictured Cliff wells, Nos 206, 207, 208 and 209. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

The filing fee in the amount of Four (\$4.00) Dollars has been received.

Very truly yours,

ALEX J. ARMIJO  
COMMISSIONER OF PUBLIC LANDS

BY:  
FLOYD O. PRANDO, Assistant Director  
Oil and Gas Division  
AC 505-827-2748

AJA/FOP/s  
encls.

cc: USGS-Roswell, New Mexico  
USGS-Albuquerque, New Mexico  
OCD-Santa Fe, New Mexico



# United States Department of the Interior

GEOLOGICAL SURVEY  
South Central Region  
P. O. Box 26124  
Albuquerque, New Mexico 87125

MAY 02 1980

Blackwood & Nichols Co., Ltd.  
Attention: DeLasso Loos  
P. O. Box 1237  
Durango, Colorado 81301

318

Gentlemen:

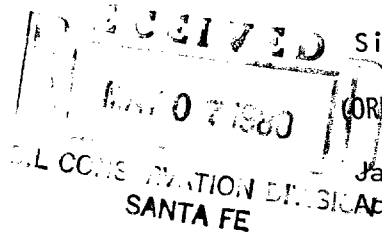
On this date, your 1980 supplemental plan of development and operation for the Northeast Blanco unit area, San Juan and Rio Arriba Counties, New Mexico, wherein you propose to drill two additional wells in the Mesaverde formation, was approved. Such approval is subject to like approval by the appropriate State officials. One approved copy is enclosed.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

Jack Willock

Acting Deputy Conservation Manager  
Oil and Gas



Enclosure

cc:  
NMOCD, Santa Fe

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

April 3, 1980

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, Colorado 81301

Attention: DeLasso Loos

Re: Case No. 318  
Northeast Blanco Unit  
Supplement to 1980  
Plan of Development

Gentlemen:

We hereby approve the Supplement to the 1980 Plan of Development for the Northeast Blanco Unit, San Juan and Rio Arriba Counties, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Supplement is returned herewith.

Yours very truly,

JOE D. RAMEY  
Director

JDR/EP/fd  
enc.

cc: U.S.G.S. - Roswell  
Commissioner of Public Lands

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**BLACKWOOD & NICHOLS Co., LTD.**

P. O. BOX 1237

DURANGO, COLORADO 81301

(303) 247-0728

RECEIVED  
MARCH 27 1980  
DURANGO, CO  
MAIL ROOM

March 27, 1980

The Oil and Gas Supervisor  
United States Geological Survey  
P. O. Box 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Division  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

3/8  
C/K 2/5/80  
2/17

Re: Northeast Blanco Unit  
No. 1, Sec. 929  
San Juan and Rio Arriba  
Counties, New Mexico

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a supplement to the 1980 Plan of Development for drilling and completing two additional infill gas wells in the Mesaverde Formation:


TOWNSHIP 30 NORTH, RANGE 7 WEST, SAN JUAN COUNTY, NEW MEXICO

NEBU NO. 31A, 1770' F/NL - 10' F/WL Section 7  
NEBU NO. 45A, 2550' F/SL - 875' F/EL Section 5

If this is acceptable, please signify your approval, as required under Section 10 of the Unit Agreement, in the space provided below and return one copy to Blackwood & Nichols Co., Ltd.

Very truly yours,

BLACKWOOD & NICHOLS CO., LTD.

By   
DeLasso Loos, District Manager

DL:ew

BLACKWOOD & NICHOLS CO., LTD.

SUPPLEMENTAL PLAN OF DEVELOPMENT 1980 - PAGE 2

APPROVAL

*James R. Ames*

DISAPPROVAL

FOR

*LOC D*

BY

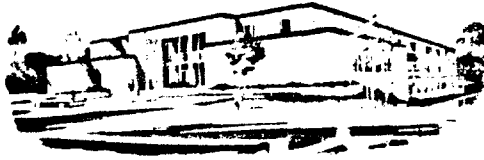
DATE

*4/3/80*

# State of New Mexico



ALEX J. ARMIJO  
COMMISSIONER



## Commissioner of Public Lands

April 1, 1980

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, Colorado 81301

318

Re: Northeast Blanco Unit  
No. 1, Sec 929  
San Juan and Rio Arriba  
Counties, New Mexico  
SUPPLEMENT TO 1980 PLAN OF  
DEVELOPMENT

ATTENTION: Mr. DeLasso Loos

Gentlemen:

The Commissioner of Public Lands has this date approved your Supplement to the 1980 Plan of Development for the Northeast Blanco Unit, San Juan and Rio Arriba Counties, New Mexico. Such plan proposes the drilling and completing two additional infill gas wells in the Mesaverde formation. The wells to be drilled are the number 31A and 45A. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO  
COMMISSIONER OF PUBLIC LANDS

BY:  
RAY D. GRAHAM, Director  
Oil and Gas Division  
AC 505-827-2748

AJA/RDG/s  
encl.

cc:      OCD-Santa Fe, New Mexico ✓  
          USGS-Roswell, New Mexico  
          USGS-Albuquerque, New Mexico





# United States Department of the Interior

GEOLOGICAL SURVEY  
Conservation Division  
P. O. Box 26124  
Albuquerque, New Mexico 87125

18 MAR 1980

318

Blackwood & Nichols Co., Ltd.  
Attention: Delasso Loos  
P. O. Box 1237  
Durango, Colorado 81301

Gentlemen:

The 1980 plan of development submitted for the Northeast Blanco unit area, San Juan and Rio Arriba counties, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes to drill six Mesaverde development wells. Three approved copies are enclosed.

Sincerely yours,

(ORIG. 363.) JACK WILLOCK

Gene F. Daniel  
Acting Deputy Conservation  
Manager, Oil and Gas

Enclosure (3)

cc:

✓ NMOCD, Santa Fe

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 7, 1980

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, Colorado 81301

Attention: DeLasso Loos

Re: Case No. 318  
Northeast Blanco Unit  
1980 Plan of Development  
of the Mesaverde Formation

Gentlemen:

We hereby approve the 1980 Plan of Development of the Mesaverde Formation for the Northeast Blanco Unit, San Juan and Rio Arriba Counties, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Three approved copies of the Plan of Development are returned herewith.

Yours very truly,

JOE D. RAMEY  
Director

JDR/EP/fd  
enc.

cc: U.S.G.S. - Roswell  
Commissioner of Public Lands

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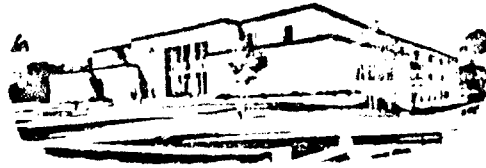
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# State of New Mexico



ALEX J. ARMIJO  
COMMISSIONER



## Commissioner of Public Lands

January 4, 1980

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, Colorado 81301

318

Re: Northeast Blanco Unit  
1980 PLAN OF DEVELOPMENT  
San Juan and Rio Arriba  
Counties, New Mexico

ATTENTION: Mr. DeLasso Loos

Gentlemen:

The Commissioner of Public Lands has this date approved your 1980 Plan of Development for the Northeast Blanco Unit, San Juan and Rio Arriba Counties, New Mexico. Your plan proposes the drilling of wells No. 47A, 48A, 37A, 34A, 24R and 13A. Our approval is subject to like approval by the United States Geological Survey.

Enclosed are two (2) approved copies as per your request.

Please remit a Four (\$4.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO  
COMMISSIONER OF PUBLIC LANDS

BY:  
FLOYD O. PRANDO, Assistant Director  
Oil and Gas Division  
AC 505-827-2748

AJA/FOP/s  
encls.  
cc:

OCD-Santa Fe, New Mexico ✓  
USGS-Roswell, New Mexico  
USGS-Albuquerque, New Mexico