

# El Paso Natural Gas Company

El Paso, Texas 79978

July 24, 1975

Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Allison Unit  
Ninth and Tenth Revision  
Dakota Participating Areas  
Effective 12-1-75 and 2-1-74,  
respectively, San Juan County,  
New Mexico, La Plata and Archuleta  
Counties, Colorado

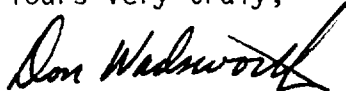
Gentlemen:

The referenced expansion of the Allison Unit Dakota Participating Areas was approved by the Regulatory Agencies on the following dates:

United States Geological Survey	July 22, 1975
Commissioner of Public Lands	May 23, 1975
Oil Conservation Commission	May 26, 1975

Copies of this notice are being sent to the working interest owners of the Allison Unit.

Yours very truly,



Don Wadsworth  
Landman  
Land Department  
Energy Resource Development

DW:nm  
Allison, 5.0, 4.3



# United States Department of the Interior

GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

July 22, 1975  
225

El Paso Natural Gas Company  
Attention: Mr. James R. Permenter  
P.O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Your application of May 19, 1975, requesting approval of the ninth and tenth revisions of the Dakota participating area for the Allison unit agreement, San Juan County, New Mexico, LaPlata and Archuleta Counties, Colorado, I Sec. No. 752, was approved by the Area Oil and Gas Supervisor, U. S. Geological Survey on July 22, 1975, effective as of December 1, 1973, and February 1, 1974, respectively.

The ninth revision adds 320.00 acres described as the N $\frac{1}{2}$  sec. 25, T. 32 N., R. 7 W., N.M.P.M., which enlarges the Dakota participating area to 7,493.21 acres and is based on the completion and production of unit well No. 18 located in the NE $\frac{1}{4}$  of said sec. 25. Such well was completed November 30, 1973, from the Dakota interval 7,920 to 8,050 feet for an initial calculated open flow potential of 2,711 MCF of gas per day.

The tenth revision adds an additional 320.00 acres described as the E $\frac{1}{2}$  sec. 19, T. 32 N., R. 6 W., N.M.P.M., further enlarging the Dakota participating area to 7,813.21 acres and is based on the completion and production of unit well No. 40 located in the NE $\frac{1}{4}$  of said sec. 19. Such well was completed January 22, 1974, for an initial calculated open flow potential of 1,439 MCF of gas per day from the Dakota interval 7,934 to 8,064 feet.

Copies of the approved application are being distributed to the proper Federal offices and three approved copies are returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

cc:  
BLM, Santa Fe (ltr only)  
NMOCC, Santa Fe (ltr only)  
Com. Pub. Lands, Santa Fe (ltr only)  
Farmington (w/cy appln)

N. O. FREDERICK  
Area Oil and Gas Supervisor

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

*Jim*

*224*

May 26, 1975

El Paso Natural Gas Company  
Box 1492  
El Paso, Texas 79978

Attention: Mr. James R. Permenter

Re: Ninth and Tenth Expansions  
Dakota Participating Areas,  
Allison Unit, San Juan County,  
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Ninth and Tenth Expanded Participating Areas, Dakota Formation, for the Allison Unit, San Juan 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.

Six approved copies of the application are being forwarded to the United States Geological Survey, Roswell, and two copies are returned to the Commissioner of Public Lands.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico 87501

C  
O  
P  
Y

# State of New Mexico

TELEPHONE  
505-827-2746



## Commissioner of Public Lands

May 23, 1975

PHIL R. LUCERO  
COMMISSIONER

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

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Re: Allison Unit  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado-APPLICATION FOR APPROVAL  
OF THE NINTH AND TENTH EXPANDED  
PARTICIPATING AREAS, Dakota Formation,  
Effective December 1, 1973 and  
February 1, 1974, respectively

ATTENTION: Mr. James R. Permenter

Gentlemen:

The Commissioner of Public Lands has this date approved the Ninth and Tenth Expanded Participating Areas, Dakota Formation, for the Allison Unit. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are handing eight (8) copies of the application to the Oil Conservation Commission requesting them to forward five (5) copies to the United States Geological Survey at Roswell, New Mexico for their consideration. Two (2) copies to be returned to the Commissioner of Public Lands and One (1) copy should be retained by the Oil Conservation Commission. After this application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso Natural Gas Company.

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

BY:  
RAY D. GRAHAM, Director  
Oil and Gas Division

FRL/RDG/e

cc: USGS-Roswell, New Mexico  
OCG- Santa Fe, New Mexico ✓



# El Paso Natural Gas Company

El Paso, Texas 79978

May 19, 1975

RECEIVED  
MAY 21 8 57 AM '75

SEAL  
SANTA FE, N.M.

Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: Allison Unit I Sec. No. 752 San Juan  
County, New Mexico La Plata and  
Archuleta Counties, Colorado, NINTH  
AND TENTH EXPANDED PARTICIPATING AREAS,  
Dakota Formation Effective December 1,  
1973 and February 1, 1974 respectively

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Section No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Ninth and Tenth Expanded Participating Areas for the Dakota Formation, Allison Unit, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

## Ninth Expansion, Effective December 1, 1973

Township 32 North, Range 7 West  
Section 25: N/2  
Containing 320.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #18 well, located 825' from the North line and 1850' from the East line of Section 25, Township 32 North, Range 7 West, N.M.P.M., was spudded on October 25, 1973, and completed on November 23, 1973, in the Dakota Formation at a total depth of 8093'. The Dakota Formation in the intervals between 7920-36', 7966-84', 7994-8000', 8010-18', and 8040-50' was treated with a sand-water fracturing process on November 12, 1973. The well was shut-in on November 21, 1973, and after being shut-in for nine (9) days the well was tested on November 30, 1973, and following a three hour blow-down period, the Dakota Formation gauged 2434 MCF/D through a 3/4" choke and 2711 MCF/D by the calculated absolute open-flow method, with an SIPC of 2474 psia and an SIPT of 1020 psia. The spacing unit for this well is described as the N/2 of Section 25, Township 32 North, Range 7 West, containing 320.00 acres.

Tenth Expansion, Effective February 1, 1974

Township 32 North, Range 6 West  
Section 19: E/2  
Containing 320.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #40 well, located 1000' from the North line and 990' from the East line of Section 19, Township 32 North, Range 6 West, N.M.P.M., was spudded on November 10, 1973, and completed on January 22, 1974, in the Dakota Formation at a total depth of 8181'. The Dakota Formation at the intervals 7934', 7944', 7984', 8014', 8040', and 8064' was treated with a sand-water fracturing process on January 5, 1974. The well was shut-in on January 8, 1974, and after being shut-in for fourteen (14) days the well was tested on January 22, 1974, and following a three hour

blow-down period, the Dakota Formation gauged 1378 MCF/D through a 3/4" choke and 1439 MCF/D by the calculated absolute open-flor method, with an SIPC of 2492 psia and an SIPT of 1216 psia. The spacing unit for this well is described as the E/2 of Section 19, Township 32 North, Range 6 West, containing 320.00 acres.

Filed in support of this expansion are the following listed Exhibits which are made a part hereof:

EXHIBIT "A"

Ownership map reflecting the boundries of the Allison Unit and the proposed Ninth and Tenth Expanded Dakota Participating Areas.

EXHIBIT "B"

Geological Report on the Ninth and Tenth Expanded Dakota Participating Areas.

EXHIBIT "C"

Structural contour and Isopach maps.

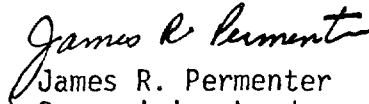
Attached are Schedules IX and X showing the entire Dakota Participating Area for the Allison Unit, reflecting the Ninth and Tenth Expansions for the Dakota Formation of the Allison Unit Area. Schedules IX and X describe the Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", these Ninth and Tenth Expanded Dakota Participating Areas will be effective December 1, 1973 and February 1, 1974 respectively. If the Ninth and Tenth Expanded Dakota Participating Areas meet with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission

-4-

Copies of this letter and schedules are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP/DW/mb  
Attachments  
Allison Unit 4.3

Cc: Mr. Antonio Martinez, Executive Director  
New Mexico Oil & Gas Accounting Commission, P. O. Box 2308  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

APPROVED: John R. Lucas DATE: May 23, 1975  
Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey and  
the Oil Conservation Commission

APPROVED: A. K. Butler DATE: May 26, 1975  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands

The foregoing approvals are for the Ninth and Tenth Revisions of the Participating Area for the Dakota Formation, effective December 1, 1973 and February 1, 1974 respectively, under the Allison Unit, I Sec. No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado

ALLISON UNIT  
Working Interest Owners

Amerada Hess Corporation (3)

Atlantic Richfield Company (3)  
Denver, Colorado

Rught Phillips Bisiker  
(Stockholder of Phillips Drilling Corporation)

Castle, Inc.  
(Stockholder of Phillips Drilling Corporation)

Continental Oil Company

Suzanna Phillips Kelly  
(Stockholder of Phillips Drilling Corporation)

Jane Phillips Ladoucer  
(Stockholder of Phillips Drilling Corporation)

H. H. Phillips  
(Stockholder of Phillips Drilling Corporation)

H. H. Phillips, Jr.

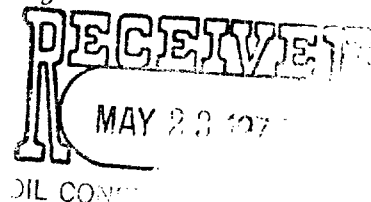
Winnie A. Phillips  
(Stockholder of Phillips Drilling Corporation)

Tenneco Oil Company

# El Paso Natural Gas Company

El Paso, Texas 79978

May 19, 1975



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

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado - APPLICATION FOR APPROVAL  
OF THE NINTH AND TENTH EXPANDED  
PARTICIPATING AREAS, Dakota Formation,  
Effective December 1, 1973 and  
February 1, 1974, respectively

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Ninth and Tenth Expanded Participating Areas of the Dakota Formation for the referenced unit.

If this Application meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for its approval and execution. After this Application has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file and the Oil Conservation Commission should retain one (1) copy for its file, and five (5) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico, for its approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,

James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:nm  
Enclosure

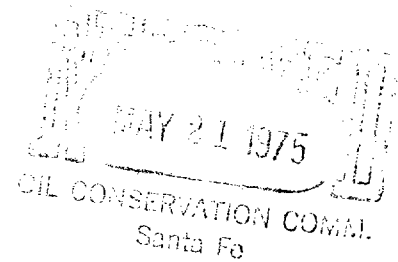
cc: Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

# El Paso Natural Gas Company

El Paso, Texas 79901

May 16, 1975



United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: 1975 Drilling Programs

Gentlemen:

The 1975 Drilling Programs for the listed units were approved by the Regulatory Agencies on the dates indicated.

## DATE OF APPROVAL

<u>Unit</u>	<u>USGS</u>	<u>OCC</u>	<u>CPL</u>
San Juan 27-5	5-7-75	3-24-75	3-11-75
San Juan 28-5	5-7-75	3-24-75	--
San Juan 28-6	4-24-75	1-13-75	1-15-75
San Juan 28-7	4-24-75	1-27-75	1-23-75
San Juan 32-9	4-24-75	1-27-75	1-23-75
✓ Allison	5-6-75	4-14-75	4-2-75
Canyon Largo	4-23-75	1-27-75	1-23-75

Copies of this letter are being sent to the working interest owners of the units.

Yours very truly,

A handwritten signature in cursive script that reads "Don Wadsworth".

Don Wadsworth  
Landman  
Land Department  
Energy Resource Development

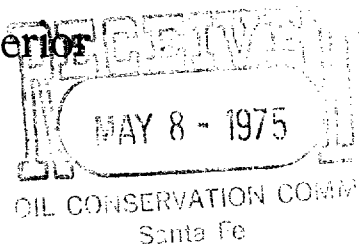




# United States Department of the Interior

GEOLOGICAL SURVEY

**Drawer 1857  
Roswell, New Mexico 88201**



**May 6, 1975**

224

**El Paso Natural Gas Company  
Attention: Mr. D. N. Canfield  
P.O. Box 1492  
El Paso, Texas 79978**

**Gentlemen:**

**The 1975 plan of development submitted for the Allison unit area, San Juan County, New Mexico, and LaPlata and Archuleta Counties, Colorado, was approved on this date subject to like approval by the appropriate State officials.**

**Such plan proposes the drilling of no additional wells and three approved copies are enclosed.**

**Sincerely yours,**

(ORIG. SGN) CARL C. TRAYWICK

**CARL C. TRAYWICK  
Acting Area Oil & Gas Supervisor**

cc:

- ✓ NMOCC, Santa Fe (ltr only)
- Com. Pub. Lands, Santa Fe (ltr only)
- Durango (w/cy plan)

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

April 14, 1975

224

C  
O  
P  
Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1975 Drilling Program,  
Allison Unit, San Juan  
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1975, providing for the drilling of no wells for the Allison Unit, San Juan 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 program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

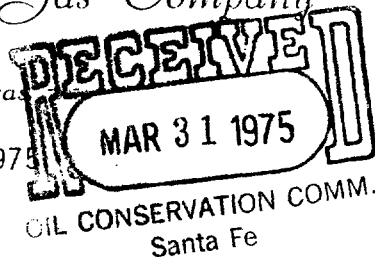
cc: United States Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

March 24, 1975



Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Allison Unit I - Section No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties  
Colorado - 1975 DRILLING PROGRAM

Gentlemen:

By letter dated March 14, 1974, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1974 calling for the drilling of two (2) Dakota wells. Neither well was drilled during said year due to a shortage of tubular goods, and neither well is being carried forward to be drilled during 1975. Dakota Wells Nos. 32, 38 and 41 which were drilled during 1973 and were being studied to determine if they were commercial when the 1974 Drilling Program was filed, have been determined to be non-commercial for Unit Purposes. Wells Nos. 18 and 40 will cause the Ninth and Tenth expansions of the Dakota formation respectively.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	5
Dakota	5
Dakota Non-Commercial	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #4, #11, #23 & #30)	5
	<u>32</u>

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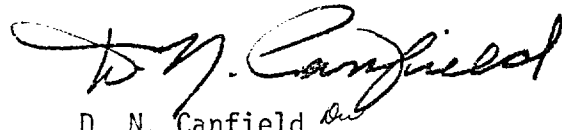
Pursuant to Section 9 of the Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1975, providing for the drilling of no wells.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1975. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,



D. N. Canfield  
Director of Land  
Energy Resource Development

DNC:DW:sas  
Attachments  
Allison 3.0


cc: Mr. Antonio Martinez  
Executive Director  
New Mexico Oil & Gas Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey  
and the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey  
and the Commissioner of Public Lands

DATE: April 14, 1975

The foregoing approvals are for the 1975 Drilling Program for the Allison Unit I - Section No. 752, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Hess Corporation (3)

Atlantic Richfield Company (3)  
Denver, Colorado

Rught Phillips Bisiker  
(Stockholder of Phillips Drilling Corporation)

Castle, Inc.  
(Stockholder of Phillips Drilling Corporation)

Continental Oil Company

Suzanna Phillips Kelly  
(Stockholder of Phillips Drilling Corporation)

Jane Phillips Ladoucer  
(Stockholder of Phillips Drilling Corporation)

H. H. Phillips  
(Stockholder of Phillips Drilling Corporation)

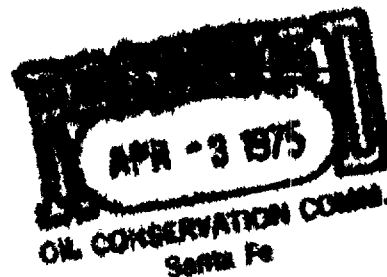
H. H. Phillips, Jr.

Winnie A. Phillips  
(Stockholder of Phillips Drilling Corporation)

Tenneco Oil Company



State of New Mexico



Commissioner of Public Lands

PHIL R. LUCERO  
COMMISSIONER

April 2, 1975

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

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico  
La Plata and Archuleta Counties  
Colorado-1975 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1975 Drilling Program, which proposes the drilling of no wells for the calendar year 1975. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

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

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

BY:  
RAY D. GRAHAM, Director  
Oil and Gas Division

PRL/RDG/s  
encl.  
cc:

USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico ✓

# El Paso Natural Gas Company

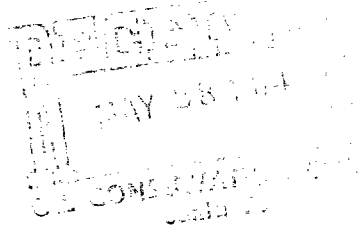
El Paso, Texas 79978

May 23, 1974

Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501



Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
1974 Drilling Program

Gentlemen:

This is to advise you that the 1974 Drilling Program for the captioned Unit was approved on the following dates:

United States Geological Survey	- May 9, 1974
Commissioner of Public Lands	- March 25, 1974
Oil Conservation Commission	- March 22, 1974

A copy of this letter is being sent to the working interest owners of the Allison Unit.

Yours very truly,

Terry Srsen  
Landman, Land Department  
Energy Resource Development

TS:lj  
Allison Unit 3.0

cc: Mr. Antonio Martinez  
Executive Director, New Mexico Oil &  
Gas Accounting Commission  
P. O. Box 2308  
Santa Fe, New Mexico 87501



2-4

# El Paso Natural Gas Company

El Paso, Texas 79978

May 15, 1974

Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Allison Unit  
Dakota Formation  
San Juan County, New Mexico  
1974 DRILLING PROGRAM

Gentlemen:

This is to advise that the captioned Drilling Program for the Allison Unit was approved by the Regulatory Bodies on the following dates:

United States Geological Survey	-	May 9, 1974
Commissioner of Public Lands	-	March 25, 1974
Oil Conservation Commission	-	March 25, 1974

Copies of this letter are being sent to the working interest owners of the Allison Unit.

Yours very truly,



Terry Srsen  
Landman, Land Department  
Energy Resource Development

TS:lj

cc: Mr. Antonio Martinez  
Executive Director, New Mexico Oil &  
Gas Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501



# United States Department of the Interior

GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

224  
May 9, 1974

El Paso Natural Gas Company  
Attention: Mr. D. N. Canfield  
P.O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1974 plan of development for the Allison unit area, San Juan County, New Mexico, are enclosed. Such plan, proposing the drilling of two Dakota wells on lands outside the existing Dakota participating area was approved on this date subject to like approval by the appropriate official of the State of New Mexico.

Sincerely yours,

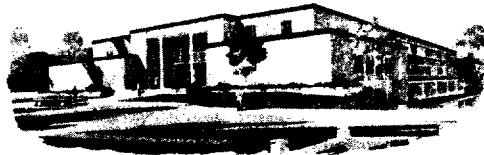
N. O. FREDERICK  
Area Oil and Gas Supervisor

cc:  
✓ NMOCC, Santa Fe (ltr only)  
Com. Pub. Lands, Santa Fe (ltr only)  
Durango (w/cy plan)

JAGillham:ds

State of New Mexico

224  
TELEPHONE  
905-427-2744



Commissioner of Public Lands

March 25, 1974

ALEX J. ARMIJO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado 1974 DRILLING PROGRAM

ATTENTION: Mr. D. W. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1974 Drilling Program, which proposes the drilling of two Dakota wells, all located outside of the existing Dakota Participating Area, for the Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

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

Very truly yours,

RAY D. GRAHAM, Director  
Oil and Gas Department

AJA/RDG/s  
encs.  
cc:

USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico ✓

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO 87501**

**March 22, 1974**

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978**

**Attention: Mr. D. N. Canfield**

**Re: 1974 Drilling Program,  
Allison Unit, San Juan  
County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1974 providing for the drilling of two Dakota wells for the Allison Unit, San Juan 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 program is returned herewith.**

**Very truly yours,**

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

**ALP/JEK/og**

**cc: United States Geological Survey  
Roswell, New Mexico**

**Commissioner of Public lands  
Santa Fe, New Mexico**

# *El Paso Natural Gas Company*

*El Paso, Texas* 79978

March 14, 1974

Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Allison Unit I-Section No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado 1974 DRILLING PROGRAM

Gentlemen:

By letter dated August 24, 1973, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1973 calling for the drilling of five (5) Dakota wells. All wells were timely drilled on the subject Unit during said year. Wells #32 and #38 caused the Ninth and Tenth Expansions of the Dakota Formation, respectively. Production is being observed on Wells #18, #40 and #41 to determine if they will cause an expansion.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	5
Dakota	8
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #4, #11 #23 and #30)	5
	<u>32</u>

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

Pursuant to Section 9 of the Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1974, providing for the drilling of the following Dakota wells, all located outside of the existing Dakota Participating Area:

<u>Well #</u>	<u>Spacing Unit</u>	<u>Formation</u>
1. Allison #21	E/2, Sec. 29 T-32-N, R-6-W, San Juan County, New Mexico	Dakota
2. Allison #44	S/2 Sec. 30, T-32-N, R-6-W, San Juan County, New Mexico	Dakota

Both wells are being drilled as development wells on drilling blocks outside the existing Dakota Participating Area. All wells, if successful, will extend the limits of the Dakota Participating Area.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1974. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,



D. N. Canfield  
Manager  
Land Department  
Energy Resource Development

DNC:DW:mcv  
Attachments  
Allison 3.0


cc: Mr. Antonio Martinez  
Executive Director  
New Mexico Oil & Gas Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey  
and the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey  
and the Commissioner of Public Lands

DATE: March 22, 1974

The foregoing approvals are for the 1974 Drilling Program for the Allison Unit, I-Sec. No. 752, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

ALLISON UNIT

Working Interest Owners

Amerada Hess Corporation (3)

Atlantic Richfield Company (3)  
Denver, Colorado

Ruth Phillips Bisiker (Stockholder of Phillips Drilling Corporation)

Castle, Inc. (Stockholder of Phillips Drilling Corporation)

Continental Oil Company

Suzanna Phillips Kelly (Stockholder of Phillips Drilling Corporation)

Jane Phillips Ladoucer (Stockholder of Phillips Drilling Corporation)

H. H. Phillips (Stockholder of Phillips Drilling Corporation)

H. H. Phillips, Jr.

Winnie A. Phillips (Stockholder of Phillips Drilling Corporation)

Tenneco Oil Company



# El Paso Natural Gas Company

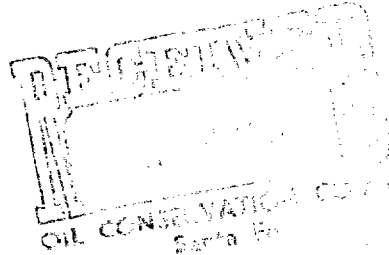
El Paso, Texas 79978

January 14, 1974

Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501



Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado

Gentlemen:

The 1973 Drilling Program for the Allison Unit was approved by the regulatory bodies on the following dates:

United States Geological Survey	-	September 24, 1973
Commissioner of Public Lands	-	September 7, 1973
Oil Conservation Commission	-	January 4, 1973

Copies of this letter are being sent to the working interest owners of the referenced Unit.

Yours very truly,

Don Wadsworth  
Landman, Land Department  
Energy Resource Development

DW:lj  
Allison Unit 3.0

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO 87501**

**January 4, 1974**

224

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978**

**Attention: Mr. D. N. Canfield**

**Re: 1973 Drilling Program,  
Allison Unit, San Juan  
County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1973 Drilling Program providing for the drilling of five Dakota wells for the Allison Unit, San Juan 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 application is returned herewith.**

**Very truly yours,**

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

**ALP/JEK/og**

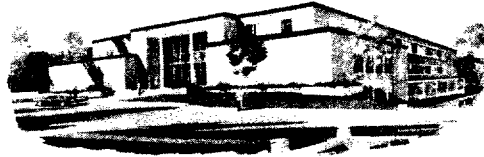
**cc: Commissioner of Public Lands  
Santa Fe, New Mexico**

**U. S. Geological Survey  
Roswell, New Mexico**

C  
O  
P  
Y

# State of New Mexico

TELEPHONE  
505-827-2748



## Commissioner of Public Lands

September 7, 1973

ALEX J. ARMIJO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado 1973 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1973 Drilling Program, which proposes the drilling of five Dakota wells, all located outside of the existing Dakota Participating Area, for the Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

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

Very truly yours,

RAY D. GRAHAM, Director  
Oil and Gas Department

AJA/RDG/s  
encls.

cc: USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

# El Paso Natural Gas Company

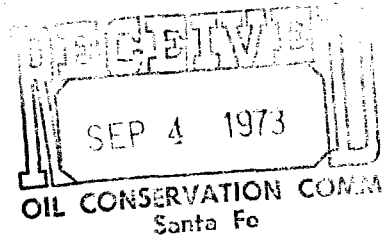
El Paso, Texas 79978

August 24, 1973

Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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



Re: Allison Unit I-Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado 1973 DRILLING PROGRAM

Gentlemen:

By letter dated September 18, 1972, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1972 calling for the drilling of no wells, and none were drilled in the subject Unit during said year.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	5
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #4, #11, #23 and #30)	5
	<u>27</u>

El Paso Natural Gas Company initially proposed to the Working Interest owners of the Allison Unit a 1973 Drilling Program of twelve (12) Dakota

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

wells and two (2) Mesaverde wells. El Paso received the approval to the Drilling Program of all the Working Interest owners except Amerada Hess, who is the owner of a 44.632255% interest and Atlantic Richfield who owns a 1.205839% interest in Unit lands.

Paragraph 7 of the Allison Unit Operating Agreement provides that the Unit Operator may not drill any well, or submit any plan of development, without first obtaining the concurrence of the parties owning a total of at least 92% of the working interest in the Allison Unit. The only exception to this requirement is in Paragraph 9 of the Operating Agreement which states that "provided that any party hereto, other than the Unit Operator, as such, owning or controlling a majority of the working interest in any unitized land, not included within a participating area, and having a regular well location in accordance with a well spacing pattern established under an approved plan of development and operation may drill a well at such location at its own risk and expense, unless, within ninety (90) days of receipt of notice from said party of its intention to drill the well, the Unit Operator, as such, elects and commences to drill such well in like manner as such other wells are drilled by the Unit Operator under this Agreement." This paragraph further provides that if the well is commercial and causes an expansion, the drilling party will retain all production from the well until said party has recovered 200% of the costs of drilling, testing and completing said well.

Pursuant to Section 9 of the Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1973, providing for the drilling of the following Dakota wells, all located outside of the existing Dakota Participating Area:

<u>Well #</u>	<u>Spacing Unit</u>	<u>Formation</u>
1. Allison #32	W/2, Sec. 21 T-32-N, R-6-W, San Juan County, New Mexico	Dakota
2. Allison #38	E/2 Sec. 17, T-32-N, R-6-W, San Juan County, New Mexico	Dakota
3. Allison #40	E/2 Sec. 19, T-32-N, R-6-W, San Juan County, New Mexico	Dakota
4. Allison #41	W/2 Sec. 29, T-32-N, R-6-W, San Juan County, New Mexico	Dakota
5. Allison #18	N/2 Sec. 25, T-32-N R-7-W, San Juan County, New Mexico	Dakota

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Three

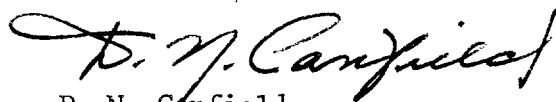
Well #32 will be drilled to protect the Unit from drainage by the El Paso Natural Gas A-1 well, located in the SE/4 Sec. 21, T-32-N, R-6-W, San Juan County, New Mexico. Wells #18, #38, #40 and #41 are being drilled as development wells on drilling blocks outside the existing Dakota Participating Area. All wells, if successful, will extend the limits of the Dakota Participating Area.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1973. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,



D. N. Canfield  
Manager  
Land Department  
Energy Resource Development


DNC:DW:sn  
Attachments  
Allison 3.0

APPROVED: \_\_\_\_\_  
Regional Oil and Gas Supervisor,  
United States Geological Survey. Sub-  
ject to like approval by the Commis-  
sioner of Public Lands and the Oil  
Conservation Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands.  
Subject to like approval by the  
United States Geological Survey and  
the Oil Conservation Commission.

DATE: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission.  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands.

DATE: January 4, 1974

The foregoing approvals are for the 1973 Drilling Program for the Allison Unit, I-Sec. No. 752, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Hess Corporation (3)

Atlantic Richfield Company  
Denver, Colorado

Ruth Phillips Bisiker (Stockholder of Phillips Drilling Corporation)

Castle, Inc. (Stockholder of Phillips Drilling Corporation)

Continental Oil Company

Suzanna Phillips Kelly (Stockholder of Phillips Drilling Corporation)

Jane Phillips Ladoucer (Stockholder of Phillips Drilling Corporation)

H. H. Phillips (Stockholder of Phillips Drilling Corporation)

H. H. Phillips, Jr.

Winnie A. Phillips (Stockholder of Phillips Drilling Corporation)

Tenneco Oil Company





# United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

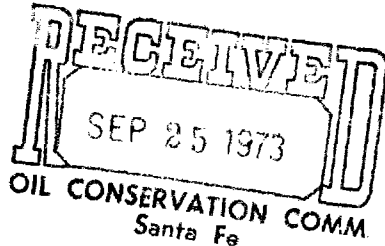
September 24, 1973

El Paso Natural Gas Company  
Attention: Mr. D. N. Canfield  
P.O. Box 1492  
El Paso, Texas 79999

Gentlemen:

Three approved copies of your 1973 plan of development for the Allison unit area, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, proposing the drilling of five unit Dakota wells on lands outside the existing participating area, are enclosed. Such plan was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,



CARL C. TRAYWICK  
Acting Area Oil & Gas Supervisor

cc:  
Durango (w/cy plan)  
NMOCC, Santa Fe (ltr only)  
Com. Pub. Lands, Santa Fe (ltr only)

JAGillham:ds

# El Paso Natural Gas Company

El Paso, Texas 79978

774

October 18, 1972

Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado

Gentlemen:

The 1972 Drilling Program for the Allison Unit dated September 18, 1972, was approved by the regulatory bodies on the following dates:

United States Geological Survey	-	October 13, 1972
Commissioner of Public Lands	-	September 20, 1972
Oil Conservation Commission	-	September 22, 1972

Copies of this letter are being sent to the working interest owners of the referenced Unit.

Yours very truly,



Charles T. Richardson  
Senior Landman  
Land Department  
Energy Resource Development

CTR:lj  
Allison Unit 3.0



# United States Department of the Interior

## GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

October 13, 1972

El Paso Natural Gas Company  
P.O. Box 1492  
El Paso, Texas 79999

Attention: Mr. D. N. Canfield

Gentlemen:

On this date, your 1972 plan of development for the Allison unit area, La Plata and Archuleta Counties, Colorado, wherein you propose the drilling of no additional wells, was approved. Such approval is subject to like approval by the appropriate officials of the State of New Mexico.

Two approved copies of the plan are enclosed.

Sincerely yours,

(SIGNED) CARL C. TRAYWICK

CARL C. TRAYWICK

Acting Area Oil and Gas Supervisor

cc:

Washington (w/cy plan)

Durango (w/cy plan)

NMOCC, Santa Fe (ltr only)

Com. Pub. Lands, Santa Fe (ltr only)

JAGillham:ds

*Jim*

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

*774*

September 22, 1972

El Paso Natural Gas Company  
Box 1492  
El Paso, Texas 79999

Attention: Mr. D. N. Canfield

Re: 1972 Drilling Program,  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1972 for the Allison Unit, San Juan 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 program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

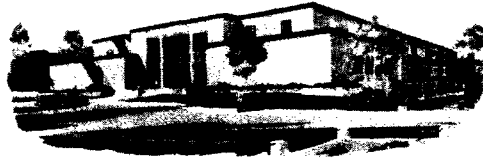
ALP/JEK/og

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

# State of New Mexico

TELEPHONE

505-827-1728



## Commissioner of Public Lands

September 20, 1972

ALEX J. ARMIJO  
COMMISSIONER

P. O. Box 1148  
SANTA FE, NEW MEXICO

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado, 1972 Drilling Program

ATTENTION: Mr. D. M. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1972 Drilling Program, which proposes the drilling of no additional wells for the Allison Unit Area, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

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

Very truly yours,

RAY D. GRAHAM, Director  
Oil and Gas Department

AJA/RDG/s

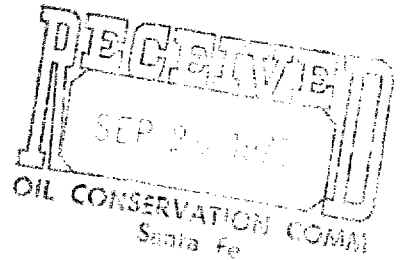
encl.

cc: USGS-Roswell, New Mexico  
OCC-Santa Fe, New Mexico ✓

# El Paso Natural Gas Company

El Paso, Texas 79999

September 18, 1972



Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: Allison Unit, I Sec. No. 752,  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado, 1972 DRILLING PROGRAM

Gentlemen:

By letter dated January 26, 1971, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1971 calling for the drilling of no wells, and none were drilled in the subject Unit during said year.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	5
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #4, #11, #23 and #30)	5
	<u>27</u>

United States Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

September 18, 1972

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1972 providing for the drilling of no wells.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners has requested additional development within the Unit during 1972. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the spaces provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

Copies of this Drilling Program are being sent to the working interest owners as shown on the attached sheet.

Yours very truly,



D. N. Canfield  
Manager  
Land Department  
Energy Resource Development

DNC:CTR:nja  
Enclosures  
Allison 3.0

APPROVED: \_\_\_\_\_  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey and  
the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED: A. H. Carter, Jr.  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands

DATE: September 22, 1972

The foregoing approvals are for the 1972 Drilling Program for the Allison Unit,  
I. Sec. No. 752, La Plata and Archuleta Counties, Colorado.



ALLISON UNIT  
Working Interest Owners

Amerada Hess Corporation (3)

Atlantic Richfield Company (3)

Ruth Phillips Bisiker

Castle, Inc.

Continental Oil Company

Suzanna Phillips Kelly

Jane Phillips Ladoucer

H. H. Phillips

H. H. Phillips, Jr.

Winnie A. Phillips

Tenneco Oil Company

# El Paso Natural Gas Company

El Paso, Texas 79999

April 6, 1971

Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Re: 1971 DRILLING PROGRAM,  
Allison Unit, I Sec. No. 752,  
San Juan County, New Mexico,  
La Plata and Archuleta  
Counties, Colorado


Gentlemen:

The 1971 Drilling Program for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	April 5, 1971
Oil Conservation Commission	January 29, 1971
Commissioner of Public Lands	January 29, 1971

Copies of this letter are being sent to the working interest owners of the above described Unit.

Yours very truly,

  
James R. Permenter  
Senior Landman  
Land Department

JRP:khs  
Allison Unit 3.0

Drawer 1857  
Roswell, New Mexico 88201

APR 6 11 03  
71 APR 6  
April 5, 1971

224

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1971 plan of development, proposing the drilling of no additional wells for the Allison unit area, San Juan County, New Mexico, and LaPlata and Archuleta Counties, Colorado, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGA) N. O. FREDERICK

N. O. FREDERICK  
Regional Oil and Gas Supervisor

cc:  
Washington (w/cy plan)  
Durango (w/cy plan)  
NMOCC, Santa Fe (ltr. only) ✓  
Com. of Pub. Lands, Santa Fe (ltr. only)

RECEIVED  
JAN 1 1971

724

January 29, 1971

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado, 1971 DRILLING PROGRAM

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1971 Drilling Program, which proposes the drilling of no additional wells for the Allison Unit Area, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

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

Sincerely yours,

GORDON G. MARCUM, II, Director  
Oil and Gas Department

AGM/GDM/s

encl. 1.

cc: USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 29, 1971

224

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1971 Drilling Program  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1971 providing for the drilling of no wells for the Allison Unit, San Juan 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 program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

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

United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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# El Paso Natural Gas Company

El Paso, Texas 79999

January 26, 1971

Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado, 1971 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1970, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1970, calling for the drilling of no wells, and none were drilled in the subject Unit during said year.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	5
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #4, #11, #23 and #30)	5

27

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1971 providing for the drilling of no wells.

Regional Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

January 26, 1971

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners has requested additional development within the Unit during 1971. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the spaces provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

Copies of this Drilling Program are being sent to the working interest owners as shown on the attached sheet.

Yours very truly,

A handwritten signature in dark ink, appearing to read "T. W. Bittick", with a stylized, flowing script.

T. W. Bittick  
Director  
Lands and Administration  
Energy Resource Development

TWB:JP:nja  
Enclosures  
Allison 3.0

APPROVED: \_\_\_\_\_

Regional Oil and Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey and  
the Oil Conservation Commission

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

*W. H. Paine*  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands

DATE: *January 29, 1971*

The foregoing approvals are for the 1971 Drilling Program for the Allison Unit,  
I Sec. No. 752, La Plata and Archuleta Counties, Colorado.



ALLISON UNIT  
Working Interest Owners

Amerada Hess Corporation (3)

Atlantic Richfield Company (3)

Ruth Phillips Bisiker

Castle, Inc.

Continental Oil Company

Suzanna Phillips Kelly

Jane Phillips Ladoucer

H. H. Phillips

H. H. Phillips, Jr.

Winnie A. Phillips

Tenneco Oil Company

# El Paso Natural Gas Company

El Paso, Texas 79999

February 3, 1970

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Mr. Carl C. Traywick  
Acting Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: 1970 DRILLING PROGRAM,  
Allison Unit, I Sec. No. 752,  
San Juan County, New Mexico,  
La Plata and Archuleta  
Counties, Colorado

Gentlemen:

The 1970 Drilling Program for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	January 29, 1970
Oil Conservation Commission	January 21, 1970
Commissioner of Public Lands	January 15, 1970

Copies of this letter are being sent to the working interest owners of the above described Unit.

Yours very truly,



Charles Higgins  
Supervising Landman  
Land Department

CH:JP:sf  
Allison Unit 3.0

Drawer 1857  
Roswell, New Mexico 88201

MAIN OFFICE 0000

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January 29, 1970

224

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1970 plan of development, proposing the drilling of no additional wells for the Allison unit area, San Juan County, New Mexico, and LaPlata and Archuleta Counties, Colorado, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

cc:  
Washington (w/cy plan)  
Durango (w/cy plan)  
NMOCC, Santa Fe (ltr. only) —  
Com. of Pub. Lands, Santa Fe (ltr. only)

**OIL CONSERVATION COMMISSION**

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 21, 1970

224

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999**

**Attention: Mr. T. W. Bittick**

**Re: 1970 Drilling Program  
Allison Unit, San Juan  
County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the Calendar Year 1970 for the Allison Unit, San Juan 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 program is returned herewith.**

**Very truly yours,**

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

**ALP/JHK/og  
Enclosure**

**cc: United States Geological Survey  
Roswell, New Mexico**

**Commissioner of Public Lands  
Santa Fe, New Mexico**

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January 15, 1970

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
1970 DRILLING PROGRAM

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1970 Drilling Program, which proposes the drilling of no additional wells, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Very truly yours,

Ted Bilberry, Director  
Oil and Gas Department

TB/ML/s  
encl.

cc: USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 1970

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado, 1970 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1969, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1969, calling for the drilling of no wells and none were drilled in the subject Unit during said year.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	5
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Noncommercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #4, #11, #23 and #30)	5

27

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1970 providing for the drilling of no wells.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable

Mr. John A. Anderson  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 2


January 6, 1970

by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1970. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

Copies of this Drilling Program are being sent to the working interest owners as shown on the attached sheet.

Yours very truly,



T. W. Bittick  
Manager  
Land Department

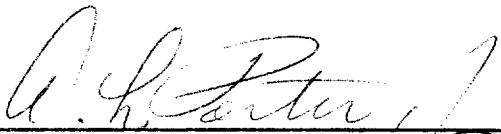
TWB:JP:sf  
Enclosures  
Allison, 3.0

APPROVED: \_\_\_\_\_  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
appropriate State officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey and  
the Oil Conservation Commission.

DATE: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
the Commissioner of Public Lands.

DATE: January 21, 1970

The foregoing approvals are for the 1970 Drilling Program for the Allison Unit,  
I Sec. No. 752, La Plata and Archuleta Counties, Colorado.



ALLISON UNIT  
Working Interest Owners

Amerada Hess Corporation (3)

Atlantic Richfield Company (3)

Ruth Phillips Bisiker

Castle, Inc.

Continental Oil Company

Suzanna Phillips Kelly

Jane Phillips Ladoucer

H. H. Phillips

H. H. Phillips, Jr.

Winnie A. Phillips

Tenneco Oil Company

# El Paso Natural Gas Company

El Paso, Texas 79999

February 19, 1969

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224

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Re: 1969 DRILLING PROGRAM, ALLISON UNIT,  
I. Sec. No. 752, San Juan County,  
New Mexico, La Plata and Archuleta  
Counties, Colorado

Gentlemen:

The 1969 Drilling Program for the referenced Unit was approved by  
the Regulatory Bodies on the dates indicated:

United States Geological Survey  
Oil Conservation Commission  
Commissioner of Public Lands

February 14, 1969  
January 23, 1969  
January 8, 1969

Copies of this letter are being sent to the working interest owners of  
the above described Unit.

Yours very truly,

*Charles Higgins*

Charles Higgins  
Supervising Landman  
Land Department

CH:JP:sf  
Allison Unit, 3.0



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

224

February 14, 1969

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1969 plan of development for the Allison unit area, San Juan County, New Mexico, and LaPlata and Archuleta Counties, Colorado, proposing the drilling of no additional wells, has been approved on this date subject to like approval of the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGO) BILLY J. SHOGER

BILLY J. SHOGER  
Acting Oil and Gas Supervisor

cc:  
Washington (w/cy plan)  
Durango (w/cy plan)  
NMOCC, Santa Fe (ltr. only) ✓  
Com. of Pub. Lands, Santa Fe (ltr. only)

MAIN OFFICE 6-1

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OIL CONSERVATION COMMISSION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

January 23, 1969

224

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1969 Drilling Program  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1969 for the Allison Unit, San Juan 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 program is returned herewith.

Very truly yours,

A. L. PORTER, JR.  
Secretary-Director

ALP/JEK/og

cc: Commissioner Public Lands, Santa Fe  
U. S. Geological Survey - Roswell

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# El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 1969

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Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: Allison Unit, I-Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
1969 DRILLING PROGRAM

Gentlemen:

By letter dated May 31, 1968, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year of 1968. Said Program provided for the drilling of a Mesaverde well in the E/2 of Section 20, T-32-N, R-6-W, La Plata County, Colorado. This well was spudded on September 21, 1968, and was perforated and fractured on October 6, 1968. After a number of unsuccessful attempts to swab in the well, a decision has been reached to plug and abandon same at such time as weather permits in the spring of 1969.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #11 and #23)	3
To be abandoned (Allison #30)	<u>1</u>
	27

Mr. John A. Anderson  
Commissioner of Public Lands  
Oil Conservation Commission  
Page Two

January 6, 1969

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1969 providing for the drilling of no wells.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1969. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,



T. W. Bittick  
Manager  
Land Department

TWB:JP:ec  
Enclosures

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission.

DATE: \_\_\_\_\_

APPROVED: A. L. Porter, L.  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE: January 23, 1969

The foregoing approvals are for the 1969 Drilling Program for the Allison Unit,  
I Sec. No. 752, La Plata and Archuleta Counties, Colorado.

ALLISON UNIT

Working Interest Owners

Amerada Petroleum Corporation (3)

Ruth Phillips Bisiker

Castle, Inc.

Continental Oil Company

Suzanna Phillips Kelly

Jane Phillips Ladoucer

H. H. Phillips

H. H. Phillips, Jr.

Winnie A. Phillips

Sinclair Oil Corporation (3)

Denver, Colorado

Tenneco Oil Company

Denver, Colorado (Mr. C W. Nance)

Tenneco Oil Company

Denver, Colorado (Mr. J. P. Wasinger)



# El Paso Natural Gas Company

El Paso, Texas 79999

August 2, 1968

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

Oil Conservation Commission  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico

Re: 1968 DRILLING PROGRAM  
ALLISON UNIT 1. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado

Gentlemen:

The 1968 Drilling Program for the referenced Unit was approved by the regulatory bodies on the dates indicated:

United States Geological Survey	June 21, 1968
Oil Conservation Commission	July 24, 1968
Commissioner of Public Lands	June 26, 1968

Copies of this letter are being sent to the working interest owners of the above described Unit.

Yours very truly,

*Charles Higgins*  
Charles Higgins  
Supervising Landman  
Land Department

CH:JP:dl

Allison Unit, 3.0

ALLISON UNIT

Working Interest Owners

Amerada Petroleum Corporation (3)  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa, Oklahoma 74101

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas 78205

Continental Oil Company  
Attention: Mr. W. C. Blackburn  
200 North Wolcott  
Casper, Wyoming 82601

Sinclair Oil & Gas Company (3)  
Attention: Mr. S. K. Van Steenbergh  
Attention: Mr. W. A. Walther, Jr.  
501 Lincoln Tower Building  
1860 Lincoln Street  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. D. B. Brown  
Lincoln Tower Building  
1860 Lincoln Street  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. J. P. Wasinger  
P. O. Box 2410  
Denver, Colorado 80201

---

Stockholders of Phillips Drilling Corporation

---

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania 16001

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas 75202

Suzanna Phillips Kelly  
Cameron, Montana 59720

H. H. Phillips  
314 Milam Building  
San Antonio, Texas 78205

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas 78205

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas 78205

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

July 24, 1968

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Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1968 Drilling Program,  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1968 Drilling Program for the calendar year 1968 for the Allison Unit, San Juan 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 program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

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



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

June 21, 1968

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79909

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1968 plan of development for the Allison unit agreement, San Juan County, New Mexico, and LaPlata and Archuleta Counties, Colorado, proposing the drilling of one Mesaverde well, has been approved on this date subject to like approval by the appropriate State officials. Your plans of development for 1966 and 1967, dated April 4, 1966, and August 14, 1967, respectively, have been accepted for record purposes. Such plans were not approved when submitted due to the drainage problem which has now been resolved.

One approved copy of the 1968 plan is enclosed.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

cc:

Washington (w/cy of plan)  
Farmington (w/cy of plan)  
Durango (w/cy of plan)  
NMOCC, Santa Fe (ltr. only) ✓  
Com. of Pub. Lands, Santa Fe (ltr. only)

# State of New Mexico



## Commissioner of Public Lands



June 26, 1968

GUYTON B. HAYS  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
1968 Plan of Development  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1968 Drilling Program, which proposes the drilling of a Mesaverde well. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one approved copy for your files.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS  
BY:  
Eddie Lopez, Supervisor  
Unit Division

GBH/TB/EL/s

encl 1.

cc: USGS-Roswell, New Mexico  
OCC-Santa Fe, New Mexico

68 JUN 27 1968

# El Paso Natural Gas Company

El Paso, Texas 79999

May 31, 1968

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: Allison Unit I-Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado.

---

Gentlemen:

By letter of August 14, 1967, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1967. Said Program provided for the drilling of a Mesaverde well in the W/2 of Section 14, T-32-N, R-7-W, N.M.P.M., San Juan County, New Mexico. This well, the Allison Unit #28, was completed within the existing Mesaverde Participating Area and consequently did not cause an expansion of such area.

As of this date the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota non-commercial)	3
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and abandoned (Allison #3, #11 and #23)	3
	<hr/> 26

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1968 providing for the drilling of the following well:

<u>Location</u>	<u>Formation</u>
E/2 Section 20, W/2 W/2 Section 21, T-32-N, R-6-W (Colorado)	Mesaverde

This well will satisfy a request from the United States Geological Survey to offset production from the East Tiffany #1-17 well. It replaces and is to the immediate East of our Allison #29 well (E/2 E/2 Section 19, W/2 Section 20, T-32-N, R-6-W) which was initially proposed for drilling in 1966. The #29 well was not drilled because of title irregularities in the dedicated acreage which we were unable to clear despite diligent efforts to do so. The proposed well is believed to have geological merit equal to the #29 well and title is suitable for drilling.

This well will be drilled to the base of the Mesaverde formation using rotary tools. Surface casing of 9-5/8" will be set to approximately 200' below the surface and an intermediate string of 7" casing will be set through the Pictured Cliffs formation to a depth of approximately 4000'. From this point a 4-1/2" production liner will be set through the Mesaverde formation, and the casing in the Mesaverde formation will then be selectively perforated and the Mesaverde formation will be subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing, and the hole below the intermediate string will be drilled in with gas. Due care will be taken to protect all horizons.


El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1968. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours

EL PASO NATURAL GAS COMPANY

  
T. W. Bittick  
Manager  
Land Department

TWB:JRP:jlw  
attachments

APPROVED: \_\_\_\_\_

Supervisor, United States Geological  
Survey. Subject to like approval by  
the appropriate State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey and  
the Oil Conservation Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

*G. L. Porter*  
Oil Conservation Commission.  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE: *July 24, 1968*

The foregoing approvals are for the 1968 Drilling Program for the Allison  
Unit, I-Sec. No. 752, San Juan County, New Mexico, and La Plata and Archuleta  
Counties, Colorado.



ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation (3)  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa, Oklahoma 74101

Continental Oil Company  
Attention: Mr. W. C. Blackburn  
200 North Wolcott  
Casper, Wyoming 82601

Sinclair Oil & Gas Company (3)  
Attention: Mr. S. K. Van Steenberg  
Attention: Mr. W. A. Walther, Jr.  
501 Lincoln Tower Building  
1860 Lincoln Street  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado 81302

Tenneco Oil Company  
Attention: Mr. J. P. Wasinger  
P. O. Box 2410  
Denver, Colorado 80201

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania 16001

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas 75202

Suzanna Phillips Kelly  
Cameron, Montana 59720

H. H. Phillips  
314 Milam Building  
San Antonio, Texas 78205

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas 78205

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas 78205

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas 78205

# El Paso Natural Gas Company

El Paso, Texas 79999

October 27, 1967

724

Oct 30 1967

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
NOTICE OF COMPLETION OF ADDITIONAL WELL,  
Mesaverde Formation

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I. Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, hereby advises that the following described Mesaverde Formation well has been completed upon acreage committed to the Allison Unit:

The Allison Unit No. 28 Well is located 1050' from the South line and 875' from the West line of Section 14, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. The well was spudded on September 18, 1967, and completed on October 5, 1967, at a total depth of 6,275' in the Mesaverde Formation. The Mesaverde Formation 6013'-6023', 6034'-6048', and 6066'-6082' was treated with a sand-water fracturing process. The well was shut-in for test on October 5, 1967. After being shut-in for seven (7) days, the Mesaverde Formation was tested on October 12, 1967. Following a three (3) hour blow-down period, the well gauged 4441 MCFGPD through a 3/4" choke and 11,635 MCFGPD by the calculated absolute open-flow method with a SIPC of 1064 psia and a SIPT of 1048 psia.

October 27, 1967

The acreage comprising the drilling block for this well is within the Mesaverde Formation Participating Area of the Allison Unit, therefore, the Mesaverde Participating Area is not expanded as a result of the completion of this well.

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Assistant Supervising Landman  
Land Department

CH:JRP:vjh

ALLISON UNIT

Working Interest Owners

Amerada Petroleum Corporation (3)

Attention: Mr. F. W. Hulsizer

P. O. Box 2040

Tulsa, Oklahoma 74101

Continental Oil Company

Attention: Mr. H. D. Haley

P. O. Box 1621

Durango, Colorado 81302

Sinclair Oil & Gas Company (3)

Attention: Mr. S. K. Van Steenberg

Attention: Mr. W. A. Walther, Jr.

501 Lincoln Tower Building

1860 Lincoln Street

Denver, Colorado 80203

Tenneco Oil Company

Attention: Mr. R. E. Siverson

P. O. Box 1714

Durango, Colorado 81302

Tenneco Oil Company

Attention: Mr. Weaver W. Ralls

900 Wilco Building

Midland, Texas 79701

-----Stockholders of Phillips Drilling Corporation:-----

Castle, Inc.

205 North Main Street

Butler, Pennsylvania 16001

Ruth Phillips Bisiker

c/o Trust Department

First National Bank in Dallas

Dallas, Texas 75202

Suzanna Phillips Kelly

Cameron, Montana 59720

H. H. Phillips

314 Milam Building

San Antonio, Texas 78205

Winnie A. Phillips

314 Milam Building

San Antonio, Texas 78205

Jane Phillips Ladoucer

314 Milam Building

San Antonio, Texas 78205

H. H. Phillips, Jr.

308 Milam Building

San Antonio, Texas 78205

**OIL CONSERVATION COMMISSION**

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

224

August 30, 1967

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999**

**ATTENTION: Mr. T. W. Bittick**

**Re: 1967 Drilling Program  
Allison Unit  
San Juan County,  
New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1967 Drilling Program dated August 14, 1967 for the Allison Unit, San Juan 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 program is returned herewith.**

**Very truly yours,**

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

**ALP/JEK/br**

**cc: Commissioner of Public Lands  
Santa Fe, New Mexico**

**United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201**

# State of New Mexico



## Commissioner of Public Lands



GUYTON B. HAYS  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

August 17, 1967

El Paso Natural Gas Company  
P. O. Box 1449  
El Paso, Texas, 79999

Re: Allison Unit  
1967 Drilling Program  
San Juan County, New  
Mexico, La Plata and  
Archuleta Counties, Colorado.

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1967 Drilling Program, which provides for the drilling of a Mesaverde well located in the W/2 of Section 14, Township 32 North, Range 7 West. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one approved copy for your files.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Eddie Lopez, Supervisor  
Unit Division

GBH/TB/EL/s  
Enclosure 1.

cc: USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

Handwritten signature or initials.

67 AUG 18 AM 11 09



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

July 24, 1967

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. Charles Higgins

Gentlemen:

This office has not received your 1967 plan of development for the Allison unit area, San Juan County, New Mexico, and Archuleta and La Plata Counties, Colorado.

Section 9 of the Allison unit agreement states that the plan of development shall provide for exploration of the unitized area and for the determination of the commercially productive area and shall be as complete and adequate as the Supervisor, the Commissioner, and the Commission may deem to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area. We believe the unit area warrants further drilling and request the required plan of development be promptly filed with this office proposing the commencement of at least one well during 1967.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

cc:  
Farmington  
Durango  
Com. of Pub. Lands - Santa Fe  
NMOCC - Santa Fe ✓

MAIN OFFICE

# El Paso Natural Gas Company

El Paso, Texas 79999

August 14, 1967

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico 88201

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

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

67 AUG 16 AM 8 07

Re: Allison Unit, I-Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado

Gentlemen:

By letter dated April 4, 1966, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year 1966. Said Program provided for the drilling of no wells; however, the United States Geological Survey by letter dated June 6, 1966, requested that we take steps to protect the Unit from drainage from the East Tiffany #1-17 (MV) Well. Accordingly, we procured the necessary consent from the Unit working interest owners to drill the Allison Unit #29 (MV) Well having a dedication of E/2 E/2 Section 19 and W/2 Section 20, T-32-N, R-6-W (Colorado). As previously advised by letter dated December 16, 1966, title irregularities have delayed our commencement of this well; however, we are continuing our efforts to clear title.



August 14, 1967

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	5
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commerical)	3
Dual, Mesaverde Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #3, #11 and #23)	<u>3</u>
	25

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1967 providing for the drilling on the following well:

<u>Location</u>	<u>Formation</u>
W/2 of Section 14, T-32-N, R-7-N (New Mexico)	Mesaverde

This well will be drilled to the base of the Mesaverde formation using rotary tools. Surface casing of 9-5/8" will be set to approximately 300' below the surface and an intermediate string of 7" casing will be set through the Pictured Cliffs formation to a depth of approximately 3600'. From this point a 4-1/2" production liner will be set through the Mesaverde formation, and the casing in the Mesaverde formation will then be selectively perforated and the Mesaverde formation will be subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing, and the hole below the intermediate string will be drilled in with gas. Due care will be taken to protect all horizons.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1967. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

August 14, 1967

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Manager  
Land Department

TWB:JRP:sb

Attachments

ALLISON UNIT  
WORKING INTEREST OWNERS

Amerada Petroleum Corporation (3)  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa, Oklahoma 74101

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 1621  
Durango, Colorado 81302

Sinclair Oil & Gas Company (3)  
Attention: Mr. S. K. Van Steenberg  
Attention: Mr. W. A. Walther, Jr.  
501 Lincoln Tower Building  
1860 Lincoln Street  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado 81302

Tenneco Oil Company  
Attention: Mr. Weaver W. Ralls  
900 Wilco Building  
Midland, Texas 79701

Stockholders of Phillips Drilling Corporation:

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania 16001

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas 78205

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas 75202

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas 78205

Suzanna Phillips Kelly  
Cameron, Montana 59720

H. H. Phillips  
314 Milam Building  
San Antonio, Texas 78205


Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas 78205

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission.

DATE: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE: 8-30-67

The foregoing approvals are for the 1967 Drilling Program for the Allison Unit,  
I-Sec. No. 752, San Juan County, New Mexico, and La Plata and Archuleta Counties,  
Colorado.

224  
JAN 25 1967

January 23, 1967

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico

Attention: Mr. Harry Gevertz

Gentlemen:

We have received your letter of December 16, 1966. Please advise us if this is considered a Plan of Development for the Allison Unit.

This office would appreciate receiving a Plan of Development for the Allison Unit covering San Juan County, New Mexico, for the year 1967.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Bilberry, Director  
Oil and Gas Department

GBH/MMR/v  
cc: United States Geological Survey  
Roswell, New Mexico  
  
Oil Conservation Commission  
Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas 79999

APR 10 1966

April 4, 1966

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

Re: Allison Unit, I-Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
1966 DRILLING PROGRAM

Gentlemen:

By letter dated December 29, 1964, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year of 1965. Said Program provided for the drilling of a Mesaverde-Dakota dual well in the NE/4 of Section 30, T-32-N, R-6-W, N.M.P.M., San Juan County, New Mexico. This well has been completed and it has been determined that it is capable of commercial production from the Mesaverde Formation. A proposed expansion of the Mesaverde participating area has been submitted to you for approval. The test of this well as to the Dakota Formation was inconclusive and we are deferring, for a short time, our determination as to whether or not this well will justify an expansion of the Dakota participating area.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	2
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1

Dual, Mesaverde-Dakota (Determination of	
Commercial Ability as to Dakota Pending)	1
Plugged and Abandoned (Allison #11 and #23)	2
	<u>25</u>

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1966 providing for the drilling of no wells.

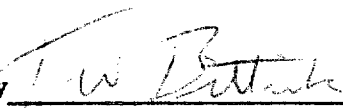
El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1966. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
\_\_\_\_\_  
T. W. Bittick  
Manager  
Land Department

TWB:JRP:sb

Attachments

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission.

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

The foregoing approvals are for the 1966 Drilling Program for the Allison Unit,  
I Sec. No. 752, La Plata and Archuleta Counties, Colorado.



ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation (3)  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 1621  
Durango, Colorado 81302

Sinclair Oil & Gas Company (3)  
Attention: Mr. S. K. Van Steenbergh  
Attention: Mr. W. A. Walther, Jr.  
501 Lincoln Tower Building  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado

Tenneco Oil Company  
Attention: Mr. Weaver W. Ralls  
4th Floor, 201 Wall Building  
Midland, Texas 79701

Stockholders of Phillips Drilling Corporation:

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas

Suzanna Phillips Kelly  
Cameron, Montana

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

# El Paso Natural Gas Company

El Paso, Texas 79999

April 4, 1966

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

Re: Allison Unit, I-Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
1966 DRILLING PROGRAM

Gentlemen:

By letter dated December 29, 1964, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year of 1965. Said Program provided for the drilling of a Mesaverde-Dakota dual well in the NE/4 of Section 30, T-32-N, R-6-W, N.M.P.M., San Juan County, New Mexico. This well has been completed and it has been determined that it is capable of commercial production from the Mesaverde Formation. A proposed expansion of the Mesaverde participating area has been submitted to you for approval. The test of this well as to the Dakota Formation was inconclusive and we are deferring, for a short time, our determination as to whether or not this well will justify an expansion of the Dakota participating area.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	2
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1

Dual, Mesaverde-Dakota (Determination of	
Commercial Ability as to Dakota Pending)	1
Plugged and Abandoned (Allison #11 and #23)	2
	<u>25</u>

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year 1966 providing for the drilling of no wells.


El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected spacing units. None of the working interest owners have requested additional development within the Unit during 1966. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current Unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Manager  
Land Department

TWB:JRP:sb

Attachments

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission.

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_

Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

The foregoing approvals are for the 1966 Drilling Program for the Allison Unit,  
I Sec. No. 752, La Plata and Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation (3)  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 1621  
Durango, Colorado 81302

Sinclair Oil & Gas Company (3)  
Attention: Mr. S. K. Van Steenbergh  
Attention: Mr. W. A. Walther, Jr.  
501 Lincoln Tower Building  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado

Tenneco Oil Company  
Attention: Mr. Weaver W. Ralls  
4th Floor, 201 Wall Building  
Midland, Texas 79701

Stockholders of Phillips Drilling Corporation:

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas

Suzanna Phillips Kelly  
Cameron, Montana

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

# El Paso Natural Gas Company

El Paso, Texas 79999

December 16, 1966

227

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico

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

DEC 22 1966

Re: Allison Unit #29 Well  
T-32-N, R-6 W  
Section 19: E/2 E/2  
Section 20: W/2  
La Plata County, Colorado

Gentlemen:

El Paso Natural Gas Company, as Operator of the Allison Unit, proposed the drilling of the captioned well during the calendar year 1966 and procured the consent of the other unit working interest owners to the drilling of this well. The title examination of the acreage to be dedicated to this well revealed several irregularities and we have been forced to delay drilling pending the curing of such irregularities and the ultimate approval of title by our attorneys.

Provided that title can be cleared, El Paso Natural Gas Company intends to drill this well during 1967.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,



Harry Severtz  
Supervising Landman  
Land Department

HG:JP:jm

Allison Unit 3.0, 5.0

**ALLISON UNIT**  
**WORKING INTEREST OWNERS**

Amerada Petroleum Corporation (3)  
Attention: Mr. F. W. Julsizer  
Post Office Box 2040  
Tulsa, Oklahoma 74101

Continental Oil Company  
Attention: Mr. H. D. Haley  
Post Office Box 1621  
Durango, Colorado 81302

Sinclair Oil & Gas Company (3)  
Attention: Mr. S. K. Van Steenbergh  
Attention: Mr. W. A. Walther, Jr.  
501 Lincoln Tower Building  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
Post Office Box 1714  
Durango, Colorado 81302

Tenneco Oil Company  
Attention: Mr. Weaver W. Ralls  
4th Floor, 201 Wall Building  
Midland, Texas 79701

**Stockholders of Phillips Drilling Corporation:**

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas 75202

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas

Suzanna Phillips Kelly  
Cameron, Montana

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

# El Paso Natural Gas Company

El Paso, Texas 79999

June 3, 1966

224

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
THIRTEENTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective November 1, 1965

Gentlemen:

This is to advise that the regulatory bodies have approved the above captioned expansion on the following dates:

1. United States Geological Survey - May 20, 1966
2. Commissioner of Public Lands - April 13, 1966
3. Oil Conservation Commission - April 19, 1966

Copies of this letter are being sent to the working interest owners of the Allison Unit.

TWB:JRP:sb  
Allison, 4.2

66 JUN 6 AM 7 49

MAIL ROOM

Very truly yours,

EL PASO NATURAL GAS COMPANY

*T. W. Bittick*  
T. W. Bittick, Manager  
Land Department





MAIN OFFICE 0-10

'66 JUN 2 AM 136

IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

224  
May 31, 1966

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

The thirteenth revision of the Mesaverde participating area, Allison unit agreement, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, was approved on May 20, 1966, by the Acting Director, U. S. Geological Survey, effective as of November 1, 1965.

Four approved copies of the application are enclosed. You are requested to furnish the State of New Mexico and any other interested party with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:  
Washington (ltr. only)  
Farmington (w/cy of appln.)  
NMOCC - Santa Fe (ltr. only) ✓  
Com. of Public Lands - Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

224

May 5, 1966

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: Allison Unit #27  
San Juan County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission concurs with your determination that the Allison Unit Well No. 27 is not capable of producing unitized substances in paying quantities from the Dakota Formation under present conditions.

One approved copy of the notice of completion of non-commercial well is returned herewith.

Very truly yours,

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

ALP/JEK/og  
Encl.

n  
C  
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P  
Y



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

IN REPLY REFER TO:

May 4, 1966

RECEIVED  
OFFICE

MAY 5 AM 9 51

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your notice of April 22 advises that El Paso Natural Gas Company, as operator of the Allison unit agreement, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado, has determined unit well No. 27 in the NE $\frac{1}{4}$  sec. 30, T. 32 N., R. 6 W., San Juan County, New Mexico, Federal lease SF 081155, to be incapable of producing unitized substances in paying quantities from the Dakota formation. The well was completed on October 13, 1965, for an initial open flow potential of 1,341 MCF of gas per day from the Dakota 7,876 to 8,008 feet.

We concur with your determination that Allison unit well No. 27 is incapable of producing unitized substances in paying quantities from the Dakota formation under existing conditions. Two approved copies of the notice are returned herewith.

Sincerely yours,

(ORIG. SGD.) BILLY J. SHOGER

BILLY J. SHOGER  
Acting Oil and Gas Supervisor

cc:

Washington (w/cy of notice)  
Farmington (w/cy of notice)  
NMOCC - Santa Fe (ltr. only) ✓  
Com. of Pub. Lands - Santa Fe (ltr. only)  
Accounts

# El Paso Natural Gas Company

El Paso, Texas 79999

APR 22 1966

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

Re: Allison Unit I Sec. No. 752,  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado - NOTICE OF COMPLETION  
OF NON-COMMERCIAL WELL in the  
Dakota Formation

Gentlemen:

El Paso Natural Gas Company, as Unit Operator of the Allison Unit and pursuant to the provisions of Section 10 of the Allison Unit Agreement, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Dakota Formation, to wit:

The Allison Unit #27 (MD) Well located 990' from the North line and 990' from the East line of Section 30, Township 32 North, Range 6 West, N.M.P.M., San Juan County, New Mexico, was spudded on September 4, 1965, and completed on September 27, 1965, at a total depth of 8044'. The Dakota Formation in the intervals between 7876' - 7884'; 7924' - 7932'; 7947' - 7951'; and 8000' - 8008' was treated with a sand-water fracturing process. The well, as to the Dakota Formation, was shut-in on September 28, 1965, and after being shut-in for fifteen (15) days was tested on October 13, 1965. Following a three (3) hour blow-down period the Dakota Formation gauged 1,322 MCFGPD through a 3/4" choke and 1,341 MCFGPD AOF with a SIPT of 2,825 psia.

The well first delivered on December 30, 1965, and through March of 1966 produced approximately 18,080 MCF from the Dakota Formation. The well produced 50.9 days during the months of January and February for a daily average production of 237 MCF; average daily production for March, during which month the well produced 31.4 days, fell to 191 MCF per day. It is estimated that the well's producing ability will probably stabilize in the vicinity of 120 MCF per day. Because of the well's low potential and production history, El Paso Natural Gas Company, as Unit Operator, is of the opinion that it is non-commercial (as to the Dakota Formation) for Unit purposes.

-2-

If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy hereof for our files.

Copies of this letter are being sent to the Commissioner of Public Lands of the State of New Mexico and the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



---

T. W. Bittick, Manager  
Land Department


TWB: JRP:cg

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey.

DATE: \_\_\_\_\_

5-5-66

The foregoing approvals are for the Allison Unit I Sec. No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado - Non-Commercial determination of the Allison Unit #27 Well as to the Dakota Formation.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 1621  
Durango, Colorado

Sinclair Oil & Gas Company  
Attention: Mr. S. K. Van Steenbergh  
Attention: Mr. W. A. Walther, Jr., Western Production Manager  
501 Lincoln Tower Building  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado

Tenneco Oil Company  
4th Floor, 201 Wall Building  
Midland, Texas 79701  
Attention: Mr. Weaver W. Ralls, Supervisor  
Division Records and Rentals

Information Copy to:

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

Stockholders of Phillips Drilling Corporation

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

Suzanna Phillips Kelly  
Cameron, Montana

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

# El Paso Natural Gas Company

El Paso, Texas 79990

APR 22 1966

Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

Re: Allison Unit I Sec. No. 752,  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado - NOTICE OF COMPLETION  
OF NON-COMMERCIAL WELL in the  
Dakota Formation

Gentlemen:

El Paso Natural Gas Company, as Unit Operator of the Allison Unit and pursuant to the provisions of Section 10 of the Allison Unit Agreement, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Dakota Formation, to wit:

The Allison Unit #27 (MD) Well located 990' from the North line and 990' from the East line of Section 30, Township 32 North, Range 6 West, N.M.P.M., San Juan County, New Mexico, was spudded on September 4, 1965, and completed on September 27, 1965, at a total depth of 8044'. The Dakota Formation in the intervals between 7876' - 7884'; 7924' - 7932'; 7947' - 7951'; and 8000' - 8008' was treated with a sand-water fracturing process. The well, as to the Dakota Formation, was shut-in on September 28, 1965, and after being shut-in for fifteen (15) days was tested on October 13, 1965. Following a three (3) hour blow-down period the Dakota Formation gauged 1,322 MCFGPD through a 3/4" choke and 1,341 MCFGPD AOF with a SIPT of 2,825 psia.

The well first delivered on December 30, 1965, and through March of 1966 produced approximately 18,080 MCF from the Dakota Formation. The well produced 50.9 days during the months of January and February for a daily average production of 237 MCF; average daily production for March, during which month the well produced 31.4 days, fell to 191 MCF per day. It is estimated that the well's producing ability will probably stabilize in the vicinity of 120 MCF per day. Because of the well's low potential and production history, El Paso Natural Gas Company, as Unit Operator, is of the opinion that it is non-commercial (as to the Dakota Formation) for Unit purposes.



If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy hereof for our files.

Copies of this letter are being sent to the Commissioner of Public Lands of the State of New Mexico and the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



---

T. W. Bittick, Manager  
Land Department


TWB: JRP:cg

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey.

DATE: 5-5-66

The foregoing approvals are for the Allison Unit I Sec. No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado - Non-Commercial determination of the Allison Unit #27 Well as to the Dakota Formation.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 1621  
Durango, Colorado

Sinclair Oil & Gas Company  
Attention: Mr. S. K. Van Steenbergh  
Attention: Mr. W. A. Walther, Jr., Western Production Manager  
501 Lincoln Tower Building  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado

Tenneco Oil Company  
4th Floor, 201 Wall Building  
Midland, Texas 79701  
Attention: Mr. Weaver W. Ralls, Supervisor  
Division Records and Rentals

Stockholders of Phillips Drilling Corporation

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

Suzanna Phillips Kelly  
Cameron, Montana

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

Information Copy to:

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

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

224

April 19, 1966

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: Thirteenth Expanded  
Participating Area,  
Mesaverde Formation,  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Thirteenth Expanded Participating Area, Mesaverde Formation Unit, San Juan 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.

Seven approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico.

Very truly yours,

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

ALP/JEK/og

cc: Commissioner of Public Lands  
Santa Fe, New Mexico  
U. S. Geological Survey - Roswell

C  
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Y

State of New Mexico



Commissioner of Public Lands



April 13, 1966

GUYTON B. HAYS  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

El Paso Natural Gas Company  
El Paso, Texas 79999

Re: Allison Unit  
San Juan County, New Mexico

ATTENTION: Mr. Harry Gevertz

Gentlemen:

The Commissioner of Public Lands approved the Thirteenth Expanded Participating Area, Mesaverde formation, for the Allison Unit as of this date.

We are handing eight approved copies of the participating area to the Oil Conservation Commission and requesting them to forward seven copies to the United States Geological Survey for consideration.

Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Bilberry, Director  
Oil and Gas Department

GBH/MMR/s  
cc: United States Geological  
Survey  
Roswell, New Mexico  
Oil Conservation Commission  
Santa Fe, New Mexico

*El Paso Natural Gas Company*

*El Paso, Texas*

March 31, 1966

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado.  
THIRTEENTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation, effective  
November 1, 1965

Dear Sir:

We are enclosing for your approval ten (10) copies of Application for Approval of the Thirteenth Expansion of the Participating Area of the Mesaverde Formation for the captioned Unit.

If this Expansion meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for their approval and execution. After this Expansion has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file and the Oil Conservation Commission should retain one (1) copy for its file, and seven (7) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico for their approval and further handling. After this Expansion has been approved and signed by the United States Geological Survey, four (4) copies should be returned to El Paso for further handling.

Very truly yours,

Harry Gevertz  
Supervising Landman  
Land Department

HG:JRP:cg  
Enclosures

Allison Unit, 4.2 and 5.0

cc: Mr. John A. Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Oil Conservation Commission ✓  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico

C O P Y

# El Paso Natural Gas Company

El Paso, Texas 79999

March 30, 1966

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

APR 1 10 46 AM '66  
STATE OF NEW MEXICO  
SANTA FE, N.M.

Re: Allison Unit, 1 Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado  
THIRTEENTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation, effective  
November 1, 1965

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, 1 Section No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Thirteenth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 6 West, N.M.P.M. (New Mexico)  
Section 29: W/2  
Section 30: S/2  
Containing 637.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #27 (MD) Well, a dual completion well, located 990' from the North line and 990' from the East line of Section 30, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on September 4, 1965,

and completed on September 27, 1965, at a total depth of 8044'. The Mesaverde Formation between 5624' - 5632', 5656' - 5664' was treated with a sand-water fracturing process. The well as to the Mesaverde Formation was shut-in on September 28, 1965, and after being shut-in for twenty-two (22) days was tested on October 20, 1965. Following a three (3) hour blow-down period the Mesaverde Formation gauged 4580 MCFGPD through a 3/4" choke and 5116 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1165 psia and an SIPT of 1165 psia.

Filed in support of this Expansion are the following listed Exhibits which are made a part hereof:

EXHIBIT "A"

Ownership map reflecting the boundaries of the Allison Unit and the proposed Thirteenth Expanded Mesaverde Participating Area.

EXHIBIT "B"

Geological Report on the Thirteenth Expanded Mesaverde Participating Area.

EXHIBIT "C"

Structural contour map

Attached is Schedule XIII showing the entire Mesaverde Participating Area for the Allison Unit, reflecting the Thirteenth Expansion. Schedule XIII describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", the Thirteenth Expanded Mesaverde Participating Area will be effective November 1, 1965. If this Thirteenth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #27 (MD) Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and we are currently evaluating the Dakota Formation to determine whether or not an expansion of the Dakota Participating Area is necessitated.



Copies of this letter and Schedule are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
T. W. Bittick, Manager  
Land Department

TWB:JRP:cg

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: *Langston B. Hays*  
Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission

DATE: *April 13, 1966*

APPROVED: *A. K. Porter*  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the Commissioner  
of Public Lands

DATE: *April 14, 1966*

The foregoing approvals are for the Thirteenth Expanded Participating Area  
for the Mesaverde Formation, effective November 1, 1965, under the Allison  
Unit Area, 1 Sec. No. 752, San Juan County, New Mexico, La Plata and  
Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. R. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 1621  
Durango, Colorado

Sinclair Oil & Gas Company  
Attention: Mr. S. K. Van Steenbergh  
Attention: Mr. W. A. Walther, Jr., Western Production Manager  
501 Lincoln Tower Building  
Denver, Colorado 80203

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado

Stockholders of Phillips Drilling Corporation:

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Jane Phillips Ladoucer  
314 Milam Building  
San Antonio, Texas

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

Suzanna Phillips Kelly  
Cameron, Montana

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

OIL CONSERVATION COMMISSION

P. O. BOX 2088  
SANTA FE, NEW MEXICO

224

June 1, 1965

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1965 Drilling Program  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1965 Drilling Program for the Allison Unit, San Juan 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 application is returned herewith.

Very truly yours,

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

ALP/JEK/og

cc: United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico 88201

Commissioner of Public Lands  
Santa Fe, New Mexico

C  
O  
P  
Y

# El Paso Natural Gas Company

El Paso, Texas 79999

31 MAY 1965

May 27, 1965

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

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

Re: 1965 Drilling Program  
Allison Unit, I Sec. No. 752  
La Plata & Archuleta Counties,  
Colorado - San Juan County,  
New Mexico

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Gentlemen:

On December 29, 1964, we forwarded to your office for approval copies of our proposed Drilling Program for the Allison Unit. On the same date, we forwarded copies of this program to the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico. The program was approved by the United States Geological Survey on March 30, 1965 and by the Commissioner of Public Lands on February 22, 1965, but to date we have not received approval from your office.

If you find our Drilling Program to be satisfactory, we would appreciate your forwarding an approved copy of same to us at your earliest convenience as we desire to commence the drilling of a Mesaverde-Dakota well in the NE/4 of Section 30, Township 32 North, Range 6 West, San Juan County, New Mexico, in the very near future.

Very truly yours,



Harry Gevertz  
Regional Landman  
Land Department

EG:KMI:kf

Allison Unit, 3.0

Drawer 1857  
Roswell, New Mexico 88201

March 30, 1965

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1965 plan of development dated December 29, 1964, for the Allison unit agreement, San Juan County, New Mexico, and LaPlata and Archuleta Counties, Colorado, proposing the drilling of one dual Mesaverde-Dakota well, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:  
Washington (w/cy of plan)  
Farmington (w/cy of plan)  
Durango (w/cy of plan)  
NMOCC, Santa Fe (ltr only) ✓  
Com. of Pub. Lands, Santa Fe (ltr only)

# El Paso Natural Gas Company

El Paso, Texas

December 29, 1964

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

Re: Allison Unit, I-Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
1965 DRILLING PROGRAM

Gentlemen:

By letter dated February 25, 1964, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering the captioned Unit for the calendar year of 1964. Said Program provided for the drilling of a Mesaverde-Dakota dual well in the NE/4 SE/4 of Section 9, T-32-N, R-7-W, N.M.P.M., San Juan County, New Mexico. This well has been completed and it has been determined that the well is capable of commercial production from both formations. All of the acreage dedicated to this dual well had previously been included within the Allison Unit Mesaverde and Dakota Formation Participating Areas, therefore, no expansion of either Participating Area was necessary as a result of the completion of this well.

As of this date, the total number of wells located on acreage committed or partially committed to the Allison Unit is as follows:

Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	10
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	2
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #11 and #23)	2
	<u>24</u>

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for calendar year 1965 to provide for the drilling of the following described well:

<u>Location</u>	<u>Formation</u>
T-32-N, R-6-W, N.M.P.M. Sec. 30: NE/4 San Juan County, New Mexico	Mesaverde-Dakota

This well will be drilled as a stepout well in the Dakota Formation to extend the limits of the Dakota Formation Participating Area. The Mesaverde portion of the well will serve to evaluate other Mesaverde locations to the South and East.

El Paso Natural Gas Company, as Unit Operator, intends to drill the dual Mesaverde-Dakota well to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 300' and an intermediate string will be run and cemented through the Pictured Cliffs Formation to a depth of approximately 3500' and then a production string casing will be run and cemented to the top of the Dakota Formation. The Dakota section will then be drilled and cased with a cemented liner. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A bridge plug will be used to separate the Mesaverde Formation from the Dakota Formation and the Mesaverde Formation will be selectively perforated and subjected to a hydraulic fracturing process. A production packer will be run on tubing with the Dakota Formation producing through the tubing and the Mesaverde Formation producing through the casing. Due care will be taken to protect all horizons.

In addition to the above well, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected drilling blocks.

All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their request for additional drilling during 1965. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.



-3-

A copy of this letter is being sent to the working interest owners  
as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By: 

Sam Smith, Manager  
Land Department

SS:KM:kp

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.


DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE: June 1, 1965

The foregoing approvals are for the 1965 Drilling Program for the Allison Unit,  
I Sec. No. 752, La Plata and Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 3312  
Durango, Colorado

Tenneco Oil Company  
Attention: Mr. R. E. Siverson  
P. O. Box 1714  
Durango, Colorado

Pan American Petroleum Corporation (7)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Sinclair Oil & Gas Company  
P. O. Box 4005  
Albuquerque, New Mexico

Stockholders of Phillips Drilling Corporation:

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

Susanna Phillips Kelly  
Cameron, Montana

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

H. H. Phillips  
Trustee for Jane Phillips Rasbach  
314 Milam Building  
San Antonio, Texas

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

# El Paso Natural Gas Company

El Paso, Texas

October 21, 1964

MAILED  
OCT 28 AM 10

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
NOTICE OF COMPLETION OF ADDITION WELL,  
Mesaverde and Dakota Formations.

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I. Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, hereby advises that the following described dual completion Mesaverde-Dakota Formation well has been completed upon acreage committed to the Allison Unit:

The Allison Unit No. 26 Well is located 1650' from the South line and 825' from the East line of Section 9, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. The well was spudded on July 20, 1964, and completed on August 28, 1964, at a total depth of 8,340' in the Dakota Formation. The Mesaverde Formation between 5798' - 5804'; 5820' - 5826'; 5845' - 5849'; 5870' - 5876' was treated with a sand-water fracturing process. The well was shut-in for test on August 28, 1964. After being shut-in for twenty-seven (27) days, the Mesaverde Formation was tested on September 24, 1964. Following a three (3) hour blow-down period, the well gauged 5213 MCFGPD through a 3/4" choke and 6360 MCFGPD by the calculated absolute open-flow method with a SIPC of 1032 psia and a SIPT of 1031 psia. The Dakota Formation in the intervals between 8074' - 8086' and 8136' - 8148' was treated with a sand-water fracturing process. The Dakota Formation was shut-in for gauge on August 28, 1964, and after being shut-in for

nineteen (19) days, was tested on September 16, 1964. Following a three (3) hour blow-down period, the Dakota Formation gauged 1306 MCFGPD through a 3/4" choke and 1328 MCFGPD by the calculated absolute open-flow method with a SIPC of 1015 psia and a SIPT of 2706 psia.

The acreage comprising the drilling block for this well is within both the Mesaverde and Dakota Formation Participating Areas of the Allison Unit, therefore, neither Participating Area is expanded as a result of the completion of this well.

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:KM:kp

ALLISON UNIT

Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

Continental Oil Company  
Attention: Mr. H. D. Haley  
P. O. Box 3312  
Durango, Colorado

Tenneco Oil Company  
P. O. Box 2511  
Houston, Texas 77001

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Sinclair Oil & Gas Company  
P. O. Box 4005  
Albuquerque, New Mexico

Castle, Inc.  
205 Nodth Main Street  
Butler, Pennsylvania

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

Susanna Phillips Kelly  
Cameron, Montana

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

H. H. Phillips  
Trustee for Jane Phillips Rasbach  
314 Milam Building  
San Antonio, Texas

# El Paso Natural Gas Company

El Paso, Texas

May 26, 1964

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado - 1964 DRILLING PROGRAM

Gentlemen:

The 1964 Drilling Program for the Allison Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 27, 1964
2. Commissioner of Public Lands,  
State of New Mexico - March 30, 1964
3. Oil Conservation Commission,  
State of New Mexico - April 8, 1964

Copies of this letter are being sent to the working interest owners of the Allison Unit.

Very truly yours,



Harry Gevertz  
Regional Landman  
Land Department

HG:KM:js  
Allison Unit, 3.0

Drawer 1857  
Roswell, New Mexico 88201

April 27, 1964

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1964 plan of development dated February 25, 1964, for the Allison unit agreement, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, proposing the drilling of one dually completed Mesaverde-Dakota well in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 9, T. 32 N., R. 7 W., San Juan County, New Mexico, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil & Gas Supervisor

cc:  
Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC - Santa Fe (ltr. only)  
Com. of Pub. Lands - Santa Fe (ltr. only)



**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

224

April 8, 1964

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas**

**Attention: Mr. Sam Smith**

**Re: 1964 Drilling Program  
Allison Unit, San Juan  
County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil  
Conservation Commission has this date approved the 1964  
Drilling Program for the Allison Unit, San Juan 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 program is returned  
herewith.**

**Very truly yours,**

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

**ALP/IRT/og**

**cc: Commissioner of Public Lands - Santa Fe  
U. S. Geological Survey - Roswell**

C  
O  
P  
Y

MAIN OFFICE OCC.

1964 MAR 31 PM 1:25

March 31, 1964

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit  
San Juan County, New Mexico  
1964 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands approved as of March 30, 1964, the 1964 Drilling Program for the Allison Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and Oil Conservation Commission.

We are returning one approved copy of this Plan.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

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

ESW/mmrv

cc: Oil Conservation Commission

United States Geological Survey  
Roswell, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

February 25, 1964

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado - 1964 DRILLING PROGRAM

Gentlemen:

By letter dated April 4, 1963, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program covering captioned Unit for the calendar year of 1963. Said Program provided for the drilling of a Mesaverde-Dakota dual well. This well was drilled in the SW/4 of Section 23, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This acreage is within and committed to the San Juan 32-7 Unit. However, the NW/4 of said Section 23 is within and committed to the Allison Unit. This dual well which was drilled as a required offset well at the request of the United States Geological Survey, was determined to be a commercial well as to the Mesaverde Formation and non-commercial as to the Dakota Formation. The NW/4 of Section 23 and all adjoining acreage in the Allison Unit had previously been included within the Allison Unit Mesaverde and Dakota Formation Participating Areas; therefore, no expansion of either of these Participating Areas was necessary as a result of the completion of the San Juan 32-7 Unit #39 Well, and the necessary Notice of Completion of Additional Well as to both formations was separately submitted.

On January 1, 1964, the total number of wells located on acreage committed or partially committed to the Allison Unit was as follows:

Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	9
Dual, Mesaverde-Dakota (Dakota Non-Commercial)	2
Dual, Mesaverde Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #11 and #23)	2
	<u>22</u>

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for calendar year 1964 to provide for the drilling of the following described well:

Location

NE/4 SE/4 of Section 9,  
T-32-N, R-7-W, N.M.P.M.  
San Juan County, New Mexico

Formation

Mesaverde-Dakota

The above location is a direct offset to the San Juan 32-7 Unit #37 Well located in the NW/4 of Section 9, T-32-N, R-7-W, N.M.P.M., San Juan County, New Mexico, which had an initial potential of 4130 MCFGPD in the Mesaverde Formation and 867 MCFGPD in the Dakota Formation. Therefore, this location is being drilled to prevent drainage by the said San Juan 32-7 Unit #37 Well.

In addition to the above well, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells requested by the working interest owners.

El Paso Natural Gas Company, as Unit Operator, intends to drill the dual Mesaverde-Dakota well to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 150' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 3200', and then a production string casing will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A bridging plug will be used to separate the Mesaverde Formation from the Dakota Formation and the Mesaverde Formation will be selectively perforated and subjected to a hydraulic fracturing process. A production packer will be run on tubing with the Dakota Formation producing through the tubing and the Mesaverde Formation producing through the casing. Due care will be taken to protect all horizons.

All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their request for additional drilling.

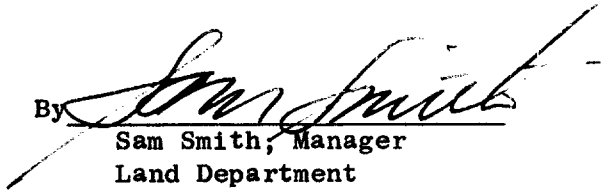
If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return one approved copy to El Paso Natural Gas Company.

A copy of this letter is being sent to the working interest owners as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Sam Smith, Manager  
Land Department

SS:KM:js

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the  
Oil Conservation Commission.

DATE: \_\_\_\_\_

APPROVED: A. L. Porter, Jr.  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE: 4-8-64

The foregoing approvals are for the 1964 Drilling Program for the Allison Unit,  
I Sec. No. 752, San Juan County, New Mexico and La Plata and Archuleta Counties,  
Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Delhi-Taylor Oil Corporation  
2630 Fidelity Union Tower  
Dallas, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

H. H. Phillips  
Trustee for Jane Phillips Rasbach  
314 Milam Building  
San Antonio, Texas

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

Susanna Phillips Kelly  
Cameron, Montana

Castle, Inc  
205 North Main Street  
Butler, Pennsylvania

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Sinclair Oil & Gas Company  
P. O. Box 4005  
Albuquerque, New Mexico

MAIN OFFICE OCC

1964 FEB 28 PM 1 : 18



# El Paso Natural Gas Company

El Paso, Texas

January 8, 1964

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

224

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico, La Plata  
and Archuleta Counties, Colorado  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Mesaverde and Dakota Formations

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I. Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that the following described dual completion well was capable of producing unitized substances from the Mesaverde and Dakota Formations. This well was completed upon acreage committed to the San Juan 32-7 Unit which has been communitized with acreage committed to the Allison Unit:

The San Juan 32-7 Unit #39 Well is located 1650' from the South line and 1840' from the West line of Section 23, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. The well was spudded on July 9, 1963, and completed on August 6, 1963, at a total depth of 8266' in the Dakota Formation. The Mesaverde Formation between 5808' - 5818', 5850' - 5860' was treated with a sand-water fracturing process. The well was shut-in for test on August 7, 1963. After being shut-in for fourteen (14) days the Mesaverde Formation was tested on August 21, 1963. Following a three (3) hour blow-down period the well gauged 3034 MCFGPD through a 3/4" choke and 3194 MCFGPD by the calculated absolute open-flow method with a SIPC of 1142 psia and a SIPT of 1142 psia. The Dakota Formation in the intervals between 8096' - 8104', 8144' - 8148', 8162' - 8170', 8218' - 8222' was treated with a sand-water fracturing

process. The Dakota Formation was shut-in for gauge on August 7, 1963, and after being shut-in for seven (7) days was tested on August 14, 1963. Following a three (3) hour blow-down period the Dakota Formation gauged 1069 MCFGPD through a 3/4" choke and 1079 MCFGPD by the calculated absolute open-flow method with a SIPT of 2521 psia.

The NW/4 of Section 23, Township 32 North, Range 7 West, N.M.P.M., which is committed to the Allison Unit, and the SW/4 of Section 23, Township 32 North, Range 7 West, N.M.P.M., which is committed to the San Juan 32-7 Unit, have been communitized to form the drilling block for this well. The NW/4 of Section 23 was included in the Fifth Expanded Participating Area for the Mesaverde Formation in the Allison Unit which was approved effective October 1, 1957. All acreage within the Allison Unit offsetting this drilling block is within the Mesaverde Formation Participating Area, therefore, the Participating Area for the Mesaverde Formation is not being expanded as a result of the completion of this well.

The NW/4 of Section 23 was included in the Third Expanded Participating Area for the Dakota Formation, which was approved effective September 1, 1957. The NE/4 of Section 26 and the N/2 of Section 25, both in Township 32 North, Range 7 West, N.M.P.M., are committed to the Allison Unit, but have not been included within the Dakota Formation Participating Area. This acreage offsets the drilling block for the San Juan 32-7 #39 Well, however, due to the marginal deliverability potential of the Dakota Formation from this well, we have determined that an expansion of the Participating Area for the Dakota Formation to include this acreage is not justified.

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:KM:js

ALLISON UNIT

Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Delhi-Taylor Oil Corporation  
2630 Fidelity Union Tower  
Dallas, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Sinclair Oil & Gas Company  
P. O. Box 4005  
Albuquerque, New Mexico

H. H. Phillips  
314 Milam Building  
San Antonio, Texas

Winnie A. Phillips  
314 Milam Building  
San Antonio, Texas

H. H. Phillips  
Trustee for Jane Phillips Rasbach  
314 Milam Building  
San Antonio, Texas

H. H. Phillips, Jr.  
308 Milam Building  
San Antonio, Texas

Susanna Phillips Kelly  
Cameron, Montana

Castle, Inc.  
205 North Main Street  
Butler, Pennsylvania

Ruth Phillips Bisiker  
c/o Trust Department  
First National Bank in Dallas  
Dallas, Texas

# El Paso Natural Gas Company

El Paso, Texas

October 7, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit  
1963 Drilling Program

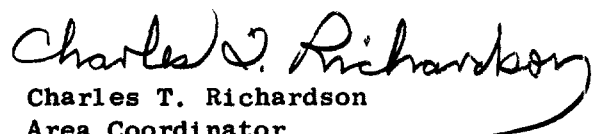
Gentlemen:

The 1963 Drilling Program for the Allison Unit was approved by the regulatory bodies as follows:

1. United States Geological Survey - May 22, 1963
2. Commissioner of Public Lands - May 14, 1963
3. Oil Conservation Commission - June 6, 1963

Copies of this letter are being sent to the working interest owners of the Allison Unit.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:KM:fsc

Allison Unit - 3.0

# El Paso Natural Gas Company

El Paso, Texas 1963 SEP 30 AM 8:21  
September 27, 1963

224

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado - TWELFTH EXPANDED  
PARTICIPATING AREA, Mesaverde  
Formation, effective January 1, 1963

Gentlemen:

This is to advise that the regulatory bodies have approved  
the above captioned expansion on the following dates:

1. United States Geological Survey - September 17, 1963.
2. Commissioner of Public Lands - May 22, 1963.
3. Oil Conservation Commission - June 3, 1963.

Copies of this letter are being sent to the working interest  
owners of the Allison Unit.

Very truly yours,

*Charles T. Richardson*  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:KM:js

Allison, 4.2

MAIN OFFICE OGC

1963 SEP 25 AM 8:28

Drawer 1857  
Roswell, New Mexico 88201

September 24, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Charles T. Richardson

Gentlemen:

Your application of May 14, 1963, for the twelfth revision of the Mesaverde formation participating area, Allison unit agreement, I-acc. No. 752, New Mexico and Colorado, was approved on September 17, 1963, by the Acting Director, Geological Survey, effective as of January 1, 1963.

Enclosed is one copy of the approved application. It is assumed that you will furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

(Orig. Sgd.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil & Gas Supervisor

cc: Washington (ltr. only)  
Farmington (w/cy appd. appln.)  
BLM - Santa Fe (w/cy appd. appln.)  
Com. Pub. Lands - Santa Fe (ltr. only)  
NMOCC - Santa Fe (ltr. only)  
Accounts

774

# El Paso Natural Gas Company

El Paso, Texas

July 30, 1963

Mr. John Anderson  
Regional Oil & Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Re: Allison Unit, San Juan County,  
New Mexico, La Plata and  
Archuleta Counties, Colorado  
Twelfth Expanded Participating Area,  
Mesaverde Formation, effective  
January 1, 1963

Dear Mr. Anderson:

In connection with the above referenced expansion which we recently submitted to your office for approval, we enclose five (5) copies each of Exhibits "A", "B" and "C" thereto, which were misplaced in obtaining approval of this expansion by the State of New Mexico regulatory bodies.

We also enclose five (5) copies of page 2 of the above referenced expansion and respectfully request that you substitute the enclosed page 2 for page 2 in each of the copies of the expansion now in your possession. We request that this substitution be made in order to correct our erroneous reference to Exhibit "C" thereto being an isopachous map when in fact Exhibit "C" is a structural contour map. None of the geological reports previously submitted on the Allison Unit have contained an isopachous map.

Please accept our apologies for any inconvenience resulting from the loss of the Exhibits to this expansion.

A copy of this letter is being forwarded to each working interest owner in the Allison Unit and the State of New Mexico regulatory bodies.

Very truly yours,

*Charles T. Richardson*  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:KM:ag  
Enclosures

cc: Oil Conservation Commission ✓  
Commissioner of Public Lands

Allison 4.2

COPY

224

July 15, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Harry Gevertz

Gentlemen:

The exhibits for the Twelfth Expanded Participating Area, Mesaverde Formation, Allison Unit, that you inquired about in your letter of July 11, 1963, cannot be located in this office.

Please accept our apologies for any inconvenience caused by the error made in mailing the approved applications.

Very truly yours,

J. E. KAPTEINA  
Engineer

JEK/og

C  
O  
P  
Y



# El Paso Natural Gas Company

El Paso, Texas

July 11, 1963

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

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

Re: Twelfth Expanded Participating Area,  
Mesaverde Formation, Allison Unit,  
San Juan County, New Mexico and  
La Plata and Archuleta Counties,  
Colorado

---

Gentlemen:

By letter dated June 3, 1963, you advised this office that the above referenced Expansion had been approved by the Oil Conservation Commission of the State of New Mexico, subject to like approval by the United States Geological Survey. You also advised that five (5) copies of this Expansion were being forwarded to the U.S.G.S. for approval. The five (5) copies which should have been forwarded to the U.S.G.S. were inadvertently returned to this office with your letter of June 3, 1963, however, the Exhibits thereto were not returned.

We would appreciate your forwarding these Exhibits to the U.S.G.S. at your earliest convenience and furnishing this office a copy of your transmittal letter, or, if said Exhibits cannot be located, advising us of this fact in order that we may prepare and submit such Exhibits to the U.S.G.S.

Very truly yours,



Harry Gevertz  
Regional Landman  
Land Department

HG:KM:ag

cc: United States Geological Survey

Allison Unit 4.2

# El Paso Natural Gas Company

El Paso, Texas

June 25, 1963

RECEIVED  
JUN 27 1963

224

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
EIGHTH EXPANDED PARTICIPATING  
AREA, Dakota Formation  
Effective January 1, 1963


Gentlemen:

The above captioned Expansion was approved by the regulatory bodies on the following listed dates:

1. United States Geological Survey on June 11, 1963.
2. Commissioner of Public Lands on April 17, 1963.
3. Oil Conservation Commission on April 9, 1963.

Copies of this letter are being sent to the working interest owners of the Allison Unit.

Very truly yours,

  
Charles T. Richardson  
Area Coordinator  
Land Department

103 JUN 20 1963  
Drawer 1857  
Roswell, New Mexico

June 18, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

Gentlemen:

Your application of March 29 for approval of the eighth revision of the Dakota participating area, Allison unit agreement, La Plata and Archuleta counties, Colorado, and San Juan County, New Mexico, I-Sec. No. 752, was approved on June 11, 1963, by the Acting Director, U. S. Geological Survey, effective as of January 1, 1963.

One approved copy of the application is enclosed. You are requested to furnish the State of New Mexico and any other interested party with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SCD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc: Washington (ltr. only)  
BLM, Santa Fe (w/cy appln.)  
Farmington (w/cy appln.)  
NMOCC, Santa Fe (ltr. only) ✓  
Com. of Pub. Lands (ltr. only)

**OIL CONSERVATION COMMISSION**

**P. O. BOX 871  
SANTA FE, NEW MEXICO**

224

**June 6, 1963**

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas**

**Attention: Mr. Sam Smith**

**Re: 1963 Drilling Program  
Allison Unit, San Juan  
County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1963 Drilling Program for the Allison Unit, San Juan 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 program is returned herewith.**

**Very truly yours,**

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

**ALP/JEK/ig**

**cc: Commissioner of Public Lands  
Santa Fe, New Mexico**

**United States Geological Survey  
Roswell, New Mexico**

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Drawer 1857  
Roswell, New Mexico

May 22, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1963 plan of development dated April 4, 1963, for the Allison unit area, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(Sd: Sd: ) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil & Gas Supervisor

cc:  
Farmington (w/cy of plan)  
Washington (w/cy of plan)  
NMOCC - Santa Fe (ltr. only)  
Com. of Pub. Lands - Santa Fe (ltr. only)

1963 MAY 15 AM 9 12

May 15, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit  
San Juan County, New Mexico  
1963 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands has approved as of May 14, 1963 the 1963 Plan of Development for the Allison Unit Area, San Juan County, New Mexico.

This Plan calls for the drilling of one Mesaverde-Dakota well.

We are returning one approved copy of this Plan.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Rhee, Supervisor  
Unit Division

ESW/nmr/v

encl:

cc: Oil Conservation Commission

U. S. Department of Interior  
Geological Survey  
Roswell, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

April 4, 1963

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
1963 DRILLING PROGRAM

Gentlemen:

By letter dated August 21, 1962, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1962. Said Program provided for the drilling of a Mesaverde-Dakota dual well. This Allison Unit #25 Well was drilled in the SW/4 of Section 19, Township 32 North, Range 6 West, and was determined to be commercial in both formations. The Mesaverde portion of this well will be included within the Twelfth Expansion of the Mesaverde Formation and the Dakota portion thereof will be included within the Eighth Expansion of the Dakota Formation.

As of this date, the total number of wells in the Allison Unit is as follows:

<u>FORMATION</u>	<u>NO. OF WELLS</u>
Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	9
Dual, Mesaverde-Dakota (Dakota non-commercial)	1
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #11 and #23)	2
TOTAL	22

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a proposed Drilling Program for the calendar year of 1963 to provide for the drilling of the following described well:

SPACING UNIT

W/2 Section 23  
T-32-N, R-7-W, N.M.P.M. (New Mexico)

FORMATION

Mesaverde-Dakota

This well is being drilled as a development well insofar as the Allison Unit is concerned, and will be drilled in the SW/4 of Section 23, which is in the San Juan 32-7 Unit. However, insofar as the San Juan 32-7 Unit is concerned, the well is a required offset well at the request of the United States Geological Survey. The NW/4 of Section 23 is within the Allison Unit. A Communitization Agreement will be prepared for this well.

In addition to the above well, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells requested by the working interest owners.

El Paso Natural Gas Company intends to drill the dual Mesaverde-Dakota well to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 150' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 3200', and then a production string casing will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A bridging plug will be used to separate the Mesaverde from the Dakota Formation and the Mesaverde Formation will be selectively perforated and subjected to a hydraulic fracturing process. A production packer will be run on tubing with the Dakota producing through the tubing and the Mesaverde producing through the casing. Due care will be taken to protect all horizons.

All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their request for additional drilling.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

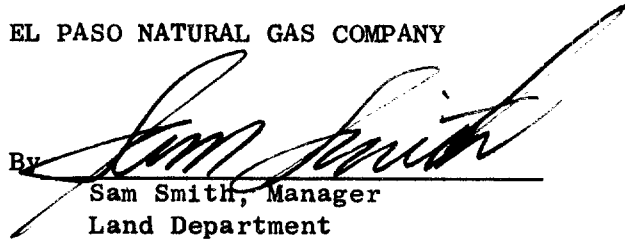


A copy of this letter is being sent to each of the working interest owners as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

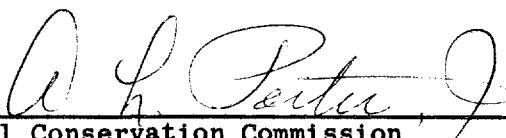
A handwritten signature in cursive script, appearing to read "Sam Smith", is written over a horizontal line.

Sam Smith, Manager  
Land Department

SS:JBB:js

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission.

APPROVED:  DATE: June 6, 1963  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

The foregoing approvals are for the 1963 Drilling Program for the Allison  
Unit, I Sec. No. 752, San Juan County, New Mexico and La Plata and  
Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Delhi-Taylor Oil Corporation  
2630 Fidelity Union Tower  
Dallas, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Western Natural Gas Company  
Attention: Mr. K. P. Moore  
P. O. Box 1508  
Houston 1, Texas

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

224

June 3, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

Re: Twelfth Expanded  
Participating Area,  
Mesaverde Formation,  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Twelfth Expanded Participating Area, Mesaverde Formation for the Allison Unit, San Juan 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.

Five approved copies of the application are being forwarded to the United States Geological Survey.

Very truly yours,

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

ALP/JEK/og

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey - Roswell

RECEIVED

1963 MAY 13 AM 13

May 22, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit  
San Juan County, New Mexico  
Twelfth Expanded Participating  
Area  
Mesaverde Formation  
Effective: January 1, 1963

Attention: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has approved as of May 22, 1963, the Twelfth Expanded Participating Area, Mesaverde Formation for the Allison Unit Area, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

This Expansion is to become effective January 1, 1963, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are handing six approved copies of this expansion to the Oil Conservation Commission and requesting that they forward five copies to the United States Geological Survey for their consideration.

El Paso Natural Gas Company  
Attention: Mr. T. W. Bittick  
May 22, 1963  
- page 2 -

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

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

ESW/mm/v  
cc:

Oil Conservation Commission  
Santa Fe, New Mexico

U. S. Department of Interior  
Geological Survey  
Roswell, New Mexico  
Attention: Mr. John A. Anderson

# El Paso Natural Gas Company

El Paso, Texas

May 21, 1963

## Registered Mail

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Attention: Mrs. Marian M. Rhea

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado  
TWELFTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation, effective  
January 1, 1963

Gentlemen:

Attached are eight (8) copies of the subject Twelfth Expanded Participating Area for the Mesaverde Formation for the Allison Unit, together with the appropriate exhibits and geological information.

If this Twelfth Expansion meets with your approval, please execute all copies in the space provided and secure the approval of the Oil Conservation Commission on all copies thereof. Upon approval of the Oil Conservation Commission and your office, will you please retain two copies for your files and have the Oil Conservation Commission retain one copy for their files and forward the remaining five copies to the United States Geological Survey for approval.

Very truly yours,

*Charles T. Richardson*  
Charles T. Richardson  
Area Coordinator  
Land Department

CTR:KM:ag  
Attachments

cc: United States Geological Survey  
Oil Conservation Commission ✓

Allison 4.2

COPY

# El Paso Natural Gas Company

El Paso, Texas

May 14, 1963

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado  
TWELFTH EXPANDED PARTICIPATING AREA,  
Mesaverde Formation, effective  
January 1, 1963

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Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Twelfth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 6 West, N.M.P.M. (Colorado)  
Section 19: All  
Containing 450.68 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #25 (MD) Well, a dual completion well, located 1000' from the South line and 1000' from the West line of Section 19, Township 32 North, Range 6 West, La Plata County, Colorado, was spudded on October 22, 1962, and completed on November 26, 1962, at a total depth of 8365'. The Mesaverde Formation between 5856' - 5862', 5874' - 5886' was treated with a sand-water



fracturing process. The well as to the Mesaverde Formation was shut-in on November 27, 1962, and after being shut-in for thirty (30) days was tested on December 27, 1962. Following a three (3) hour blow-down period the Mesaverde Formation gauged 3110 MCFGPD through a 3/4" choke and 3300 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1127 psia and an SIPT of 1122 psia.

Filed in support of this Expansion are the following listed Exhibits which are made a part hereof:

EXHIBIT "A"

Ownership map reflecting the boundaries of the Allison Unit and the proposed Twelfth Expanded Mesaverde Participating Area.

EXHIBIT "B"

Geological Report on the Twelfth Expanded Mesaverde Participating Area.

EXHIBIT "C"

Structural contour map

Attached is Schedule XII showing the entire Mesaverde Participating Area for the Allison Unit, reflecting the Twelfth Expansion. Schedule XII describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", the Twelfth Expanded Mesaverde Participating Area will be effective January 1, 1963. If this Twelfth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #25 (MD) Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Dakota Participating Area is being separately made for submission to you for approval of an Eighth Expanded Participating Area of the Dakota Formation.

Copies of this letter and Schedule are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

**EL PASO NATURAL GAS COMPANY**

By \_\_\_\_\_

T. W. Bittick  
Assistant Manager  
Land Department

TWB:JBB:ag

100

APPROVED: \_\_\_\_\_

United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission

DATE: May 22, 1963

APPROVED: \_\_\_\_\_

Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the Commissioner  
of Public Lands

DATE: June 3, 1963

The foregoing approvals are for the Twelfth Expanded Participating Area for the Mesaverde Formation, effective January 1, 1963, under the Allison Unit Area, I Sec. No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado.

**ALLISON UNIT**  
**Working Interest Owners**

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Delhi-Taylor Oil Corporation  
2630 Fidelity Union Tower  
Dallas, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Western Natural Gas Company  
Attention: Mr. K. P. Moore  
P. O. Box 1508  
Houston 1, Texas

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STATE OF TEXAS  
SANTA FE COUNTY

224

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April 17, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit  
San Juan County, New Mexico  
La Plata & Archuleta Counties,  
Colorado  
Eighth Expanded Participating  
Area, Dakota Formation  
Effective January 1, 1963

Attention: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has approved the Eighth Expanded Participating Area, Dakota Formation for the Allison Unit. Our approval is subject to like approval by the United States Geological Survey.

We are returning five approved copies.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

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

ESW/mar/v

encl:

cc: Oil Conservation Commission

U. S. Department of Interior  
Geological Survey  
Roswell, New Mexico  
Attention: Mr. John A. Anderson

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

224

April 9, 1963

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

Re: Eighth Expanded Participating  
Area, Dakota Formation  
Allison Unit, San Juan County,  
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Eighth Expanded Participating Area, Dakota Formation for the Allison Unit, San Juan 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.

Seven approved copies of the expansion are being forwarded to the Commissioner of Public Lands.

Very truly yours,

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

ALP/JEK/ig

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

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# El Paso Natural Gas Company

1963 APR 3 PM 1  
El Paso, Texas  
April 1, 1963

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

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
**EIGHTH EXPANDED PARTICIPATING AREA,**  
Dakota Formation, Effective January 1,  
1963

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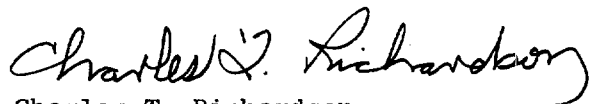
Gentlemen:

Attached are eight (8) copies of the subject Eighth Revision of the Dakota Participating Area for the Allison Unit, together with the appropriate Exhibits and geological information.

If this Eighth Revision meets with your approval, please sign all copies in the space provided, retaining one copy for your files and forwarding the remaining seven copies to the Commissioner of Public Lands for his approval and execution. Upon the approval by the Commissioner of Public Lands, they are to retain one copy and return the remaining six copies to this office for our further handling in obtaining the approval of the United States Geological Survey.

After we have received fully executed and approved copies of this Expansion, one copy of same will be forwarded to the Commissioner of Public Lands.

Very truly yours,



Charles T. Richardson  
Area Coordinator  
Land Department

CTR:JBB:ag  
Enclosures

cc: Commissioner of Public Lands  
Mr. John Anderson  
United States Geological Survey

Allison Unit 4.3

# *El Paso Natural Gas Company*

*El Paso, Texas*

March 29, 1963

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
**EIGHTH EXPANDED PARTICIPATING  
AREA, Dakota Formation**  
**Effective January 1, 1963**

---

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Eighth Expanded Participating Area for the Dakota Formation, Allison Unit, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 6 West (Colorado)  
Section 19: All  
Containing 450.68 acres, more or less.

The lands described above are proven to be productive by the following:

The Allison Unit #25 (MD) Well, a dual completion well, located 1,000' from the South line and 1,000' from the West line of Section 19, Township 32 North,



Range 6 West, La Plata County, Colorado, was spudded on October 22, 1962, and completed on November 26, 1962, at a total depth of 8365'. The Dakota Formation between 8102' - 8112', 8152' - 8158', 8204' - 8210', 8226' - 8232' was treated with a sand-water fracturing process. The Dakota Formation was shut-in on November 27, 1962, for seven (7) days, and the well was tested on December 4, 1962. Following a three (3) hour blow-down period the Dakota Formation gauged 3433 MCFGPD through a 3/4" choke and 3736 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2547 psia and an SIPC of 1014 psia.

Filed in support of this expansion are the following listed Exhibits which are made a part hereof:

**EXHIBIT "A"**

Ownership map reflecting the boundaries of the Allison Unit and the proposed Eighth Expanded Dakota Participating Area.

**EXHIBIT "B"**

Geological Report on the Eighth Expanded Dakota Participating Area.

**EXHIBIT "C"**

Structural contour and Isopach maps.

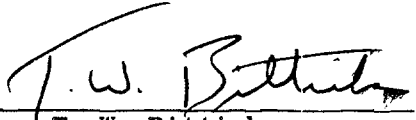
Attached is Schedule VIII showing the entire Dakota Participating Area for the Allison Unit, reflecting the Eighth Expansion for the Dakota Formation of the Allison Unit Area. Schedule VIII describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Eighth Expanded Dakota Participating Area will be effective January 1, 1963. If this Eighth Expanded Dakota Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #25 (MD) Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made for submission to you for approval of a Twelfth Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and schedule are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:JBB:ag

APPROVED: \_\_\_\_\_

Director, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.


DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: 4-9-63

The foregoing approvals are for the Eighth Expanded Participating Area for the Dakota Formation, effective January 1, 1963, under the Allison Unit Area, I Sec. No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Delhi-Taylor Oil Corporation  
2630 Fidelity Union Tower Building  
Dallas, Texas

Pan American Petroleum Corporation  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Western Natural Gas Company  
Attention: Mr. K. P. Moore  
P. O. Box 1508  
Houston 1, Texas

# El Paso Natural Gas Company

El Paso, Texas

October 19, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit  
1962 Drilling Program

Gentlemen:

The 1962 Drilling Program for the Allison Unit was approved by the regulatory bodies as follows:

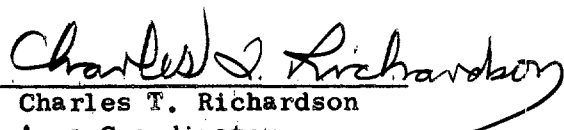
1. United States Geological Survey - September 17, 1962
2. Commissioner of Public Lands - October 2, 1962
3. Oil Conservation Commission - October 10, 1962

Copies of this letter are being sent to the working interest owners of the Allison Unit.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



Charles T. Richardson  
Area Coordinator  
Land Department

CTR: JBB: js

OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

224

October 4, 1962

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1962 Drilling Program  
Allison Unit, San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1962 Drilling Program for the Allison Unit, San Juan 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 program is returned herewith.

Very truly yours,

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

ALP/JEK/iqq

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

October 3, 1962

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit,  
San Juan County,  
New Mexico

Attention: Mr. Charles T. Richardson

Gentlemen:

The Commissioner of Public Lands has approved as of October 2, 1962, the 1962 Drilling Program for the Allison Unit Area, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are enclosing one approved copy of this Program.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

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

ESW/mar/v  
encl:

cc: U.S. Geological Survey - Roswell, N. M.  
Oil Conservation Commission - Santa Fe, N.M.

Drawer 1857  
Roswell, New Mexico

September 17, 1962

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1962 plan of development dated August 21, 1962, for the Allison unit area, San Juan County, New Mexico and La Plata and Archuleta Counties, Colorado, proposing the drilling of one Mesaverde - Dakota well, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

(Orig. Sgd.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

Copy to: Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC - Santa Fe (ltr. only) ✓  
Com. of Pub. Lands - Santa Fe (ltr. only)



# El Paso Natural Gas Company

El Paso, Texas

August 21, 1962

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
1962 DRILLING PROGRAM

Gentlemen:

By letter dated January 20, 1961, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1961. Said Program provided for the drilling of no wells.

As of this date, the total number of wells in the Allison Unit is as follows:

<u>FORMATION</u>	<u>NO. OF WELLS</u>
Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	8
Dual, Mesaverde-Dakota (Dakota non-commercial)	1
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #11 and #23)	2
TOTAL	21

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is herewith submitting this Drilling Program providing for the drilling of the following well during the period from January 1, 1962 to December 31, 1962:

SPACING UNIT

FORMATION

T-32-N, R-6-W, N.M.P.M. (Colorado)  
Section 19:  
W/2, W/2 E/2 - Mesaverde  
All - Dakota

Mesaverde-Dakota

El Paso Natural Gas Company, as Unit Operator, will further protect the unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the Working Interest Owners in the affected spacing units.

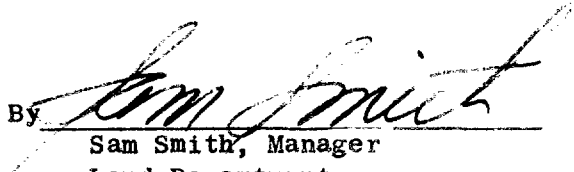
All of the Working Interest Owners have been notified, and none of them have requested additional development within the unit.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Sam Smith, Manager  
Land Department

SS:JBB:js

cc: Allison working  
interest owners

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: 10-10-62

The foregoing approvals are for the 1962 Plan of Development for the Allison Unit, I Sec. No. 752, San Juan County, New Mexico and La Plata and Archuleta Counties, Colorado.

ALLISON UNIT

Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Pan American Petroleum Corporation (12)  
Attention: Mr. T. M. Curtis  
P. O. Box 480  
Farmington, New Mexico

Phillips Drilling Corporation  
Attention: Mr. H. H. Phillips, Jr.  
314 Milam Building  
San Antonio 5, Texas

San Jacinto Petroleum Corporation  
Attention: Mr. George A. Works, Jr.  
800 San Jacinto Building  
Houston 2, Texas

Delhi-Taylor Oil Corporation  
2630 Fidelity Union Tower Building  
Dallas, Texas

Western Natural Gas Company  
Attention: Mr. K. P. Moore  
P. O. Box 1508  
Houston 1, Texas

# El Paso Natural Gas Company

El Paso, Texas

June 29, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit Area  
Seventh Dakota Expansion  
Tenth & Eleventh Mesaverde Expansions

Gentlemen:

The Seventh Expanded Participating Area for the Dakota Formation, Allison Unit Area, was approved by the regulatory bodies as follows:

1. Oil Conservation Commission - April 19, 1961
2. Commissioner of Public Lands - April 21, 1961
3. United States Geological Survey - June 8, 1961

The Tenth and Eleventh Expanded Participating Areas for the Mesaverde Formation were approved by the regulatory bodies as follows:

1. Oil Conservation Commission - April 19, 1961
2. Commissioner of Public Lands - April 21, 1961
3. United States Geological Survey - June 8, 1961

Copies of this letter are being sent to the working interest owners of the Allison Unit.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Area Coordinator  
Land Department

CH:GA:cah

cc: Allison Unit working interest owners

# El Paso Natural Gas Company

El Paso, Texas

May 31, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit

Gentlemen:

The 1961 Drilling Program for the Allison Unit was approved by the regulatory bodies as follows:

- |                                    |                |
|------------------------------------|----------------|
| 1. United States Geological Survey | April 7, 1961  |
| 2. Commissioner of Public Lands    | April 3, 1961  |
| 3. Oil Conservation Commission     | April 28, 1961 |

Copies of this letter are being sent to the working interest owners of the Allison Unit.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By Charles Higgins  
Charles Higgins  
Area Coordinator  
Land Department

CH:GA:cah

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

April 28, 1961

El Paso Natural Gas Company  
P. O. Box 1495  
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1961 Drilling Program  
Allison Unit San Juan  
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1961 Drilling Program for the Allison Unit San Juan 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 plan is returned herewith.

Very truly yours,

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

ALP/JEK/ig

cc: US Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico





IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico

April 7, 1961

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1961 plan of development for the Allison unit, San Juan County, New Mexico, and LaPlata and Archuleta Counties, Colorado, providing for the drilling of no additional wells, has been approved on this date subject to like approval by the appropriate State officials.

Such approval should not be construed as concurrence by this office in the opinion offered in the plan that the Mesaverde and Dakota productive limits, under existing economic conditions, have been established.

Two approved copies of the plan are attached.

Very truly yours,

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington (w/cy approved plan)  
NMOCC, Santa Fe (ltr. only)

April 4, 1961

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit  
San Juan County, New Mexico  
1961 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

Your Plan of Development for 1961, for the Allison Unit Area, San Juan County, New Mexico, which proposes the drilling of no additional wells, has been approved as of April 3, 1961, by the Commissioner of Public Lands.

One approved copy of the plan is enclosed.

Very truly yours,  
E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

ESW/mmr/s  
cc: US Geological Survey  
Roswell, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico

# El Paso Natural Gas Company

El Paso, Texas

January 20, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
1961 DRILLING PROGRAM

Gentlemen:

By letter dated May 25, 1960, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1960. Said Program provided for the drilling of two (2) dual Dakota-Mesaverde wells. These two (2) wells, the Allison Unit #23X (MD) and #24 wells, have been completed upon lands committed to the unit.

The Allison Unit #23X (MD) well has been determined to be productive in paying quantities from both the Mesaverde and Dakota Formations, and the acreage which has been determined to be reasonably productive is presently in the process of being admitted to both the Mesaverde and Dakota Participating Areas.

The Allison Unit #24 well has been determined to be productive in paying quantities from the Mesaverde Formation only and the well was plugged back and completed in the Mesaverde Formation after having been tested in the Dakota Formation. The acreage which has been determined to be reasonably productive is presently in the process of being admitted to the Mesaverde Participating Area.

As of this date, the total number of wells in the Allison Unit is as follows:

<u>FORMATION</u>	<u>NO. OF WELLS</u>
Mesaverde	6
Dakota	3
Dual, Mesaverde-Dakota	8
Dual, Mesaverde-Dakota (Dakota non-commercial)	1
Dual, Mesaverde-Dakota (Dakota dry, plugged back to Mesaverde)	1
Plugged and Abandoned (Allison #11 and #23)	2
Total	<u>21</u>

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is herewith submitting this Drilling Program providing for the drilling of no wells during the period from January 1, 1961 to December 31, 1961. No wells are being submitted as the present economic limits of Mesaverde and Dakota development have been established. We will continue to evaluate and study this area and will drill any wells which are warranted by changing economic conditions.

El Paso Natural Gas Company, as Unit Operator, will further protect the unit from drainage and will drill any other wells deemed necessary or desirable by the Unit Operator and the Working Interest Owners in the affected spacing units.

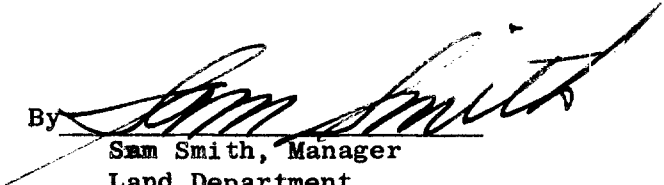
All of the Working Interest Owners have been notified, and none of them have requested additional development within the unit.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Sam Smith, Manager  
Land Department

SS:GA:js

cc: Allison Working Interest Owners

ALLISON UNIT

Working Interest Owners

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
Post Office Box 1508  
Houston 1, Texas

Mr. L. O. Speer, Jr.  
Pan American Petroleum Corporation  
Post Office Box 480  
Farmington, New Mexico

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

*A. L. Porter, Jr.*  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: 4. 28- 61

The foregoing approvals are for the 1961 Plan of Development for the Allison Unit, I Sec. No. 752, San Juan County, New Mexico and La Plata and Archuleta Counties, Colorado.

4  
April 21, 1961

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Tenth and Eleventh  
Expanded Participating  
Areas, Mesaverde Formation,  
Allison Unit, San Juan  
County, New Mexico

Attention: Mr. Charles Higgins

Gentlemen:

The Commissioner of Public Lands has approved, as of April 21, 1961, the Tenth and Eleventh Participating Areas, Mesaverde Formation, for the Allison Unit Area.

We are enclosing five approved copies of this application.

Please remit \$7.00 for the filing and handling of the captioned documents.

Very truly yours,  
E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Silberry, Supervisor  
Oil and Gas Division

ESW/mmz/s

cc:

US Geological Survey  
Reswell, New Mexico  
OCC: Santa Fe, New Mexico

April 21, 1961

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Seventh Expanded Participating  
Area, Dakota Formation, Allison  
Unit, San Juan County, New Mexico

Attention: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has approved as of  
April 21, 1961, the Seventh Participating Area, Dakota  
Formation, for the Allison Unit Area.

We are enclosing five approved copies of this applica-  
tion.

Please remit \$7.00 for the filing and handling of the  
captioned documents.

Very truly yours,  
E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

ESW/umr/s

cc: United States Geological Survey  
Roswell, New Mexico

Oil Conservation Commission  
Santa Fe, New Mexico



**OIL CONSERVATION COMMISSION**

**P. O. BOX 871**

**SANTA FE, NEW MEXICO**

**April 19, 1961**

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas**

**ATTENTION: Mr. Charles Higgins**

**Re: Tenth Expanded Participating Area  
and Eleventh Expanded Participating  
Area, Mesaverde Formation, Allison  
Unit San Juan County, New Mexico.**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the Tenth Expanded Participating Area and Eleventh Expanded Participating Area, Mesaverde formation for the Allison Unit San Juan 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.**

**Seven approved copies of the application are being forwarded to the Commissioner of Public Lands.**

**Very truly yours,**

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

**ALP/JEK/ig**

**cc: Commissioner of Public Lands  
Santa Fe, New Mexico**

**U. S. Geological Survey  
Roswell, New Mexico**

**OIL CONSERVATION COMMISSION**

**P. O. BOX 871**

**SANTA FE, NEW MEXICO**

**April 19, 1961**

**El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas**

**ATTENTION: Mr. Charles Higgins**

**Re: Seventh Expanded Participating  
Area, Dakota Formation, Allison  
Unit San Juan County, New Mexico.**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the Seventh Expanded Participating Area, Dakota Formation for the Allison Unit San Juan 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.**

**Seven approved copies of the application are being forwarded to the Commissioner of Public Lands.**

**Very truly yours,**

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

**ALP/JEK/ig**

**cc: Commissioner of Public Lands  
Santa Fe, New Mexico**

**U. S. Geological Survey  
Roswell, New Mexico**

# El Paso Natural Gas Company

El Paso, Texas

April 17, 1961

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Oil Conservation Commission  
State of New Mexico  
Capiol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752 - San Juan County,  
New Mexico; La Plata and Archuleta Counties,  
Colorado  
TENTH EXPANDED PARTICIPATING AREA, Mesaverde  
Formation, effective October 1, 1960, and  
ELEVENTH EXPANDED PARTICIPATING AREA,  
Mesaverde Formation, effective November 1, 1960

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Tenth and Eleventh Expanded Participating Areas for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation as to each expansion:

TENTH - Effective October 1, 1960

Township 32 North, Range 6 West, N.M.P.M. (New Mexico)  
Section 30: Lots 1,2, E/2 NW/4, NE/4

Township 32 North, Range 7 West, N.M.P.M. (New Mexico)  
Section 25: N/2  
Section 26: NE/4  
Containing 797.42 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #23-X (MD) Well, a dual completion well, located 990' from the South line and 965' from the West line of Section 19, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on July 7, 1960, and completed on August 12, 1960 at a total depth of 8604' and

a clean out depth of 8059'. The Mesaverde Formation between 5586' - 5592', 5630' - 5634', 5652' - 5666', 5676' - 5686', 5690' - 5702', 5720' - 5726' was treated with a sand-water fracturing process. The well as to the Mesaverde Formation was shut-in on August 12, 1960, and after being shut-in for twenty-six (26) days from August 12, 1960 was tested on September 7, 1960. Following a three (3) hour blow-down period the Mesaverde Formation gauged 3438 MCFGPD through a 3/4" choke and 4751 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1179# and an SIPT of 1183#.

ELEVENTH - Effective November 1, 1960

Township 32 North, Range 6 West (New Mexico)

Section 7: Lots 1,2,3,4,5,6,7,  
S/2 NE/4, SE/4 NW/4,  
E/2 SW/4, SE/4 (All)

Containing 549.74 acres, more or less.

The lands described above are proven to be productive by the following:

The Allison Unit #24 Well, located 890' from the South line and 990' from the West line of Section 7, Township 32 North, Range 6 West, La Plata County, Colorado, was spudded on August 14, 1960, and completed on September 29, 1960, at a total depth of 8177' and a plug-back depth of 7870'. The Mesaverde Formation between 5648' - 5658', 5710' - 5718', 5724' - 5736', 5762' - 5768', 5772' - 5780' was treated with a sand-water fracturing process. The well was shut-in on September 29, 1960, and after being shut-in for twelve (12) days was tested on October 11, 1960, in the Mesaverde Formation, and following a three (3) hour blow-down period gauged 3094 MCFGPD through a 3/4" choke and 4282 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1150# and an SIPT of 1137#.

Attached are Schedules X and XI showing the entire Mesaverde Participating Area for the Allison Unit, reflecting the Tenth and Eleventh Expansions. Schedule X and Schedule XI describe the Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", the Tenth Expanded Mesaverde Participating Area will be effective October 1, 1960, and the Eleventh Expanded Mesaverde Participating Area will be effective November 1, 1960. If this the Tenth and Eleventh Expanded Participating Areas meet with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #23-X (MD) Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Dakota Participating Area is being separately made for submission to you for approval of a Seventh Expanded Participating Area of the Dakota Formation.

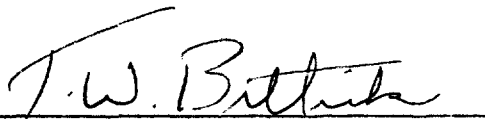
The Allison #24 Well was drilled to a total depth of 8177' and after the Dakota Formation was found to be non-productive, the well was plugged back to 7870' and completed in the Mesaverde Formation only. Since the Dakota Formation was found to be non-productive and plugged, no expansion for the Dakota Formation will be prepared.

Copies of this letter and Schedule are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

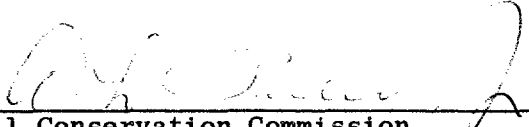
TWB:GA:js

APPROVED: \_\_\_\_\_  
United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission

DATE: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the Commissioner  
of Public Lands

DATE: 4-19-61

ALLISON UNIT  
Working Interest Owners

Amerada Petroleum Corporation  
Attention: Mr. F. W. Hulsizer  
P. O. Box 2040  
Tulsa 2, Oklahoma

Pan American Petroleum Corporation (12)  
Attention: Mr. L. O. Speer, Jr.  
P. O. Box 480  
Farmington, New Mexico

Phillips Drilling Corporation  
Attention: Mr. H. H. Phillips, Jr.  
314 Milam Building  
San Antonio 5, Texas

San Jacinto Petroleum Corporation  
Attention: Mr. George A. Works, Jr.  
800 San Jacinto Building  
Houston 2, Texas

Three States Natural Gas Company  
Attention: Mr. J. C. Gordon  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Western Natural Gas Company  
Attention: Mr. K. P. Moore  
P. O. Box 1508  
Houston 1, Texas

# *El Paso Natural Gas Company*

*El Paso, Texas*

April 17, 1961

Director  
United States Geological Survey  
Department of the Interior  
Washington, D.C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
SEVENTH EXPANDED  
PARTICIPATING AREA  
Dakota Formation  
Effective September 1, 1960

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Seventh Expanded Participating Area for the Dakota Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 6 West (New Mexico)  
Section 19: Lots 1,2,3,4, E/2 W/2 (W/2)  
Containing 316.83 acres, more or less.



The lands described above are proven to be productive by the following:

The Allison Unit #23-X (MD) Well, a dual completion well, located 990' from the South line and 965' from the West line of Section 19, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on July 7, 1960, and completed on August 12, 1960, at a total depth of 8604' and a clean-out depth of 8059'. The Dakota Formation between 7900' - 7920', 7948' - 7954', 7960' - 7970', 7974' - 7980', 8006' - 8016' and 8026' - 8034' was treated with a sand-water fracturing process. The Dakota Formation was shut-in on August 12, 1960 for fourteen (14) days, and the well was tested on August 26, 1960. Following a three (3) hour blow-down period the Dakota Formation gauged 2608 MCFGPD through a 3/4" choke and 2674 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2668#.

Attached is Schedule VII showing the entire Dakota Participating Area for the Allison Unit, reflecting the Seventh Expansion for the Dakota Formation of the Allison Unit Area. Schedule VII describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Seventh Expanded Dakota Participating Area will be effective September 1, 1960. If this Seventh Expanded Dakota Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #23-X (MD) Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made for submission to you for approval of a Tenth Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and schedule are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GA:cah

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
Subject to like approval by the appropriate  
State Officials.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

APPROVED: A. L. Bower DATE: 4-19-61  
Oil Conservation Commission

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Seventh Expanded Participating Area for the  
Dakota Formation, effective September 1, 1960, under the Allison Unit Area, I Sec.  
No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado.

ALLISON UNIT  
Working Interest Owners

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
P.O. Box 2040  
Tulsa 2, Oklahoma

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
Post Office Box 1508  
Houston 1, Texas

Mr. L. O. Speer, Jr.  
Pan American Petroleum Corporation  
P.O. Box 480  
Farmington, New Mexico

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
Santa Antonio, Texas

MAIL OFFICE OCC  
SEP 8 3 PM  
P. O. Box 6721  
Roswell, New Mexico

Case # 224

September 8, 1960

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Gentlemen:

This is to acknowledge receipt of a ratification and joinder executed by Amerada Petroleum Corporation, committing the basic royalty in fee land tracts 23 and 30 to the Allison unit agreement, I-Sec. No. 752, New Mexico, by virtue of the authority contained in Amerada's lease to those lands.

The basic royalty in fee land tracts 23 and 30 is considered committed to the Allison unit agreement effective July 1, 1958. One copy of the joinder is surplus to our needs and is returned herewith.

Very truly yours,

(Orig. Sgd.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Washington (w/cy of joinder)  
Farmington ( " )  
BLM-Santa Fe ( " )  
N.M. Comm. of Pub. Lands (ltr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

Case # 224

August 26, 1960

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

RE: Sixth Expansion Participating  
Area Dakota Formation Allison  
Unit San Juan County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Sixth Expansion Participating Area Dakota Formation for the Allison Unit San Juan 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.

Five approved copies of the plan are returned herewith.

Very truly yours,

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

ALP/JEK/ig

cc: Commissioner of Public Lands  
Santa Fe, New Mexico  
US Geological Survey  
Roswell, New Mexico

In reply refer to:  
Unit Division

August 26, 1960

C  
O  
P  
Y  
El Paso Natural Gas Company  
P.O. Box 1492  
El Paso, Texas

Re: Allison Unit, San Juan  
County, New Mexico

Attention: Mr. T.W. Bittick

Gentlemen:

The Commissioner of Public Lands has of this date approved the Sixth Expanded Participating Area, Dakota Formation for the Allison Unit Area, San Juan County, New Mexico. The effective date to be September 1, 1959.

We are handing six approved copies to the Oil Conservation Commission.

Very truly yours,  
Murray E. Morgan  
Commissioner of Public Lands

By:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/1

cc:

USGS-Roswell

OCC-Santa Fe ✓

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

*Case # 224*

August 26, 1960

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

RE: Fifth Expansion Participating  
Area Dakota Formation Allison  
Unit San Juan County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fifth Expansion Participating Area Dakota Formation for the Allison Unit San Juan 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.

Five approved copies of the plan are returned herewith.

Very truly yours,

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

ALP/JEK/ig

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

US Geological Survey  
Roswell, New Mexico



In reply refer to:  
Unit Divison

August 26, 1960

C  
O  
P  
Y  
El Paso Natural Gas Company  
P.O. Box 1492  
El Paso, Texas

Re: Allison Unit, San Juan  
County, New Mexico

Attention: Mr. T.W. Bittick

Gentlemen:

The Commissioner of Public Lands has of this date approved the Fifth Expanded Participating Area, Dakota Formation for the Allison Unit Area, San Juan County, New Mexico. The effective date to be October 1, 1958.

We are handing six approved copies to the Oil Conservation Commission.

Very truly yours,  
Murray E. Morgan  
Commissioner of Public Lands

By:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/1

cc:

USGS-Roswell  
OCC-Santa Fe ✓

# *El Paso Natural Gas Company*

*El Paso, Texas*

August 23, 1960

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
SIXTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective September 1, 1959

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Sixth Expanded Participating Area for the Dakota Formation, Allison Unit, San Juan County, New Mexico and La Plata County, Colorado, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 7 West (Colorado)  
Section 23: NE/4 SE/4, E/2 NE/4 (E/2 E/2)  
Section 24: N/2 S/2, N/2 (All)

Township 32 North, Range 7 West (New Mexico)  
Section 9: Lots 1,2,3, SE/4, E/2 SW/4  
Section 10: Lot 4, W/2 SW/4

Containing 992.46 acres, more or less.

The lands described above are proven to be productive by the following:

The Allison Unit #19 (MD) Well, a dual completion well, located 800' from the South line and 1849' from the West line of Section 24, Township 32 North, Range 7 West, La Plata County, Colorado, was spudded on May 26, 1959, and completed on July 24, 1959, at a total depth of 8611'. The Dakota Formation between 8346'-8358', 8366'-8374', 8408'-8416', 8480'-8488', 8516'-8525', 8530'-8538' was treated with a sand-water fracturing process. The Dakota Formation was shut-in for fourteen (14) days, and the well was tested on August 7, 1959. Following a three (3) hour blow-down period the Dakota Formation gauged 4825 MCFGPD through a 3/4" choke and 5988 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1755#.

Attached is Schedule VI showing the entire Dakota Participating Area for the Allison Unit, reflecting the Sixth Expansion for the Dakota Formation of the Allison Unit Area. Schedule VI describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Sixth Expanded Dakota Participating Area will be effective September 1, 1959. If this Sixth Expanded Dakota Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #19 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made for submission to you for approval of a Ninth Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and Schedule are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

ALLISON UNIT  
WORKING INTEREST OWNERS

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. L. O. Speer, Jr.  
Pan American Petroleum Corporation  
Post Office Box 480  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
P. O. Box 1508  
Houston 1, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey

Subject to like approval by the appropriate  
State Officials.

APPROVED: W. M. Morgan DATE: Aug. 26, 1960  
Commissioner of Public Lands

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

APPROVED: A. L. Porter DATE: 8-26-60  
Oil Conservation Commission

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Sixth Expanded Participating Area for the Dakota Formation, effective September 1, 1959, under the Allison Unit Area, I Sec. No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties, Colorado.

# El Paso Natural Gas Company

El Paso, Texas

August 23, 1960

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
FIFTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective October 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Fifth Expanded Participating Area for the Dakota Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 7 West  
Section 12: Lots 1,2,3,4, S/2 (All)  
Section 23: SE/4  
Section 24: All  
Containing 1,199.00 acres, more or less.

The lands described above are proven to be productive by the following:

The Allison Unit #13 Well, a dual completion well, located 890' from the South line and 950' from the West line of Section 12, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 11, 1957, and completed on July 16, 1958, at a total depth of 8150'. The Dakota Formation between 7984' - 7998', 8032' - 8070' was treated with a sand-

water fracturing process. The Dakota Formation was shut-in for nine (9) days, and the well was tested on September 10, 1958. Following a three (3) hour blow-down period the Dakota gauged 2005 MCFGPD through a 3/4" choke and 2093 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2427#.

2. The Allison Unit #17 Well, a dual completion well, located 1650' from the South line and 1650' from the West line of Section 24, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 27, 1958, and completed on September 4, 1958, at a total depth of 8121'. The Dakota Formation between 7968'-7994', 8019' - 8040', 8070' - 8084' and 8088'-8103' was treated with a sand-water fracturing process. After being shut-in for fourteen (14) days, the well was tested on September 19, 1958, in the Dakota Formation, and following a three (3) hour blow-down period gauged 1345 MCFGPD through a 3/4" choke and 1353 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2749#.

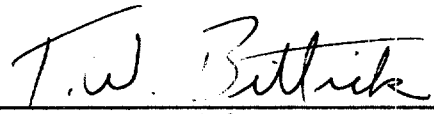
Attached is Schedule V showing the entire Dakota Participating Area for the Allison Unit reflecting the Fifth Expansion for the Dakota Formation of the Allison Unit Area. Schedule V describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Fifth Expanded Dakota Participating Area will be effective October 1, 1958. If this Fifth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #13 and #17 Wells are dual completion wells, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made by submission to you for approval of a Seventh Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and Schedule are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

APPROVED: \_\_\_\_\_  
Director, United States Geological Survey

DATE: \_\_\_\_\_

Subject to like approval by the appropriate  
State officials.

APPROVED: W. M. Morgan  
Commissioner of Public Lands

DATE: Aug. 26, 1960

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

APPROVED: A. H. Parter, Jr.  
Oil Conservation Commission

DATE: 8-26-60

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Fifth Expanded Participating Area for the Dakota  
Formation, effective October 1, 1958, under the Allison Unit Area, I Sec. No. 752,  
San Juan County, New Mexico.



ALLISON UNIT  
WORKING INTEREST OWNERS

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. L. O. Speer, Jr.  
Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

*CW 227*

P. O. Box 6721  
Roswell, New Mexico

August 3, 1960

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development for 1960, dated May 23, 1960, for the Allison unit area, San Juan County, New Mexico and La Plata and Archuleta Counties, Colorado, proposing the drilling of two wells to be dually completed in the Dakota and Mesaverde formations, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

EDWIN M. THOMASSON  
Acting Oil and Gas Supervisor

Enclosures

Copy to: Washington (w/cy of plan)  
Farmington ; (w/cy of plan)  
NMOCC-Santa Fe (ltr only) ✓  
Comm of Pub. Lands, Santa Fe (ltr only)

MAIN OFFICE OCC  
1960 JUN 10 AM 8:09

In reply refer to:  
Unit Division

June 9, 1960

C  
O  
P  
Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: 1960 Drilling Program  
Allison Unit  
San Juan County, New Mexico

Attention: Mr. Sam Smith

Gentlemen:

We are returning to you two copies of the 1960 Drilling Program for the Allison Unit Area.

This program was approved by the Commissioner of Public Lands, June 9, 1960 subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/s

cc:

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

United States Geological Survey  
Roswell, New Mexico

El Paso Natural Gas Company

JUN 1 1960

El Paso, Texas

May 25, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
1960 DRILLING PROGRAM

Gentlemen:

By letter dated January 2, 1959, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1959. Said Program provided for the drilling of two (2) dual Dakota-Mesaverde wells. These two (2) wells, the Allison Unit #19 and #20 Wells, have been completed upon lands committed to the unit.

The Allison Unit #19 Well has been determined to be productive in paying quantities from both the Mesaverde and Dakota Formations, and the acreage from which the well has been determined to be productive is presently in the process of being admitted to both the Mesaverde and Dakota Participating Areas.

The Allison Unit #20 Well has been determined to be productive in paying quantities from both the Mesaverde and Dakota Formations, and the acreage from which the well has been determined to be productive is presently in the process of being admitted to the Mesaverde Participating Area. The acreage from which the well has been determined to be productive was admitted to the Dakota Participating Area by the Second Expansion of the Dakota Participating Area, effective March 1, 1956.

As of this date, the total number of wells in the Allison Unit is as follows:

Mesaverde	6	
Dakota	3	
Dual, Mesaverde-Dakota	8	(one Dakota Formation not commercial)
Plugged and Abandoned	<u>1</u>	
Total	18	

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is herewith submitting this Drilling Program providing for the drilling of the following described wells during the period from January 1, 1960 to December 31, 1960:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
SW/4 Section 7, T-32-N, R-6-W	Dual, Dakota-Mesaverde
SW/4 Section 19, T-32-N, R-6-W	Dual, Dakota-Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill the above mentioned Dakota-Mesaverde wells to the base of the Dakota Formation using rotary tools. Surface casing of 13 3/8" will be set to the depth of approximately 150' and an intermediate string of 9 5/8" will be run through the Pictured Cliffs Formation to a depth of approximately 3200', and then Operator will run a production string of either 5 1/2" or 7" casing to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A bridging plug will be used to separate the Mesaverde from the Dakota Formation and the Mesaverde Formation will be selectively perforated and subjected to a hydraulic fracturing process. A production packer will be run on 2" tubing with the Dakota producing through the tubing and the Mesaverde producing through the casing.

Unit Operator considers that the proposed program constitutes reasonable development of the Allison Unit Area.


El Paso Natural Gas Company, as Unit Operator, will protect the unit from drainage and will comply with any drilling requirements created under the terms of the Unit Agreement calling for additional drilling.

All of the Working Interest Owners have been notified, and this Drilling Program reflects, insofar as possible, their requests for additional drilling.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith, Manager  
Land Department

SS:GA:js

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: \_\_\_\_\_

The foregoing approvals are for the 1960 Drilling Program for the Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

WORKING INTEREST OWNERS

ALLISON UNIT

Mr. F. W. Hulsizer  
Amerada Petroleum Corp.  
P. O. Box 2040  
Tulsa 2, Oklahoma

Pan American Petroleum Corp. (12)  
P. O. Box 487  
Farmington, New Mexico  
Attention: Mr. L. O. Speer, Jr.

Mr. J. C. Gordon  
Three States Natural Gas Co.  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
P. O. Box 1508  
Houston 1, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corp.  
314 Milam Building  
San Antonio 5, Texas



# *El Paso Natural Gas Company*

*El Paso, Texas*

May 25, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
1960 DRILLING PROGRAM

Gentlemen:

By letter dated January 2, 1959, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1959. Said Program provided for the drilling of two (2) dual Dakota-Mesaverde wells. These two (2) wells, the Allison Unit #19 and #20 Wells, have been completed upon lands committed to the unit.

The Allison Unit #19 Well has been determined to be productive in paying quantities from both the Mesaverde and Dakota Formations, and the acreage from which the well has been determined to be productive is presently in the process of being admitted to both the Mesaverde and Dakota Participating Areas.

The Allison Unit #20 Well has been determined to be productive in paying quantities from both the Mesaverde and Dakota Formations, and the acreage from which the well has been determined to be productive is presently in the process of being admitted to the Mesaverde Participating Area. The acreage from which the well has been determined to be productive was admitted to the Dakota Participating Area by the Second Expansion of the Dakota Participating Area, effective March 1, 1956.

As of this date, the total number of wells in the Allison Unit is as follows:

Mesaverde	6	
Dakota	3	
Dual, Mesaverde-Dakota	8	(one Dakota Formation not commercial)
Plugged and Abandoned	<u>1</u>	
Total	18	

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is herewith submitting this Drilling Program providing for the drilling of the following described wells during the period from January 1, 1960 to December 31, 1960:

DRILLING BLOCK

FORMATION

SW/4 Section 7, T-32-N, R-6-W	Dual, Dakota-Mesaverde
SW/4 Section 19, T-32-N, R-6-W	Dual, Dakota-Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill the above mentioned Dakota-Mesaverde wells to the base of the Dakota Formation using rotary tools. Surface casing of 13 3/8" will be set to the depth of approximately 150' and an intermediate string of 9 5/8" will be run through the Pictured Cliffs Formation to a depth of approximately 3200', and then Operator will run a production string of either 5 1/2" or 7" casing to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A bridging plug will be used to separate the Mesaverde from the Dakota Formation and the Mesaverde Formation will be selectively perforated and subjected to a hydraulic fracturing process. A production packer will be run on 2" tubing with the Dakota producing through the tubing and the Mesaverde producing through the casing.

Unit Operator considers that the proposed program constitutes reasonable development of the Allison Unit Area.

El Paso Natural Gas Company, as Unit Operator, will protect the unit from drainage and will comply with any drilling requirements created under the terms of the Unit Agreement calling for additional drilling.

All of the Working Interest Owners have been notified, and this Drilling Program reflects, insofar as possible, their requests for additional drilling.

If this Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith, Manager  
Land Department

SS:GA:js

APPROVED: \_\_\_\_\_

Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: \_\_\_\_\_

The foregoing approvals are for the 1960 Drilling Program for the Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

WORKING INTEREST OWNERS

ALLISON UNIT

Mr. F. W. Hulsizer  
Amerada Petroleum Corp.  
P. O. Box 2040  
Tulsa 2, Oklahoma

Pan American Petroleum Corp. (12)  
P. O. Box 487  
Farmington, New Mexico  
Attention: Mr. L. O. Speer, Jr.

Mr. J. C. Gordon  
Three States Natural Gas Co.  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
P. O. Box 1508  
Houston 1, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corp.  
314 Milam Building  
San Antonio 5, Texas

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

*100-2214*

January 26, 1960

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Ninth Expanded Participating  
Area, Mesaverde Formation,  
Allison Unit, San Juan County,  
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Ninth Expanded Participating Area, Mesaverde Formation for the Allison Unit, San Juan 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.

Five approved copies of the application are returned herewith.

Very truly yours,

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

ALP/JEK/pj

cc: United States Geological Survey  
Roswell, New Mexico

State Land Office  
Santa Fe, New Mexico

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OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

Call 224

January 26, 1960

C  
O  
P  
Y  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Eighth Expanded Participating  
Area, Mesaverde Formation,  
Allison Unit, San Juan County,  
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the eighth Expanded Participating Area, Mesaverde Formation for the Allison Unit, San Juan 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.

Five approved copies of the application are returned herewith.

Very truly yours,

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

ALP/JEK/pj

cc: United States Geological Survey  
Roswell, New Mexico

State Land Office  
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 26, 1960

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Seventh Expanded Participating  
Area, Mesaverde Formation,  
Allison Unit, San Juan County,  
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Seventh Expanded Participating Area, Mesaverde Formation for the Allison Unit, San Juan 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.

Five approved copies of the application are returned herewith.

Very truly yours,

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

ALP/JEK/pj

cc: United States Geological Survey  
Roswell, New Mexico

State Land Office  
Santa Fe, New Mexico

C  
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Y



NEW MEXICO CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 26, 1960

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Sixth Expanded Participating  
Area Dakota Formation, Allison  
Unit, San Juan County, New  
Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Sixth Expanded Participating Area Dakota Formation, for the Allison Unit, San Juan 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.

Five approved copies of the application are returned herewith.

Very truly yours,

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

ALP/JEK/pj

cc: United States Geological Survey  
Roswell, New Mexico

State Land Office  
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 26, 1960

C  
O  
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Y  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Fifth Expanded Participating  
Area, Dakota Formation,  
Allison Unit, San Juan County,  
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fifth Expanded Participating Area, Dakota Formation for the Allison Unit, San Juan 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.

Five approved copies of the application are returned herewith.

Very truly yours,

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

ALP/JEK/pj

cc: United States Geological Survey  
Roswell, New Mexico

State Land Office  
Santa Fe, New Mexico

In reply refer to:  
Unit Division

January 25, 1960

C  
O  
P  
Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Fifth and Sixth Expansions  
Dakota Formation  
Seventh, Eighth and Ninth  
Expansions, Mesaverde Formation  
Allison Unit  
San Juan County, New Mexico

Gentlemen:

Y We are forwarding to the Oil Conservation Commission for their consideration, six complete copies of the Fifth and Sixth Expansions for the Dakota Formation and of the Seventh, Eighth and Ninth Expansions of the Mesaverde Formation for the Allison Unit

These were approved by the Commissioner of Public Lands January 25, 1960.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m

cc:

OCC- Santa Fe  
USGS- Roswell

EL PASO NATURAL GAS COMPANY

January 18, 1960

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Fifth and Sixth Expansions  
Dakota Formation  
Seventh, Eighth and Ninth  
Expansions, Mesaverde Formation  
Allison Unit  
San Juan County, New Mexico  
La Plata & Archuleta  
Counties, Colorado

---

Gentlemen:

On August 11, 1959, the Commissioner of Public Lands and the Oil Conservation Commission approved the Seventh and Eighth Expansions of the Mesaverde Formation and the Fifth Expansion of the Dakota Formation subject to the approval of the United States Geological Survey. These expansions were sent to the United States Geological Survey and not approved for various reasons.

We have now corrected, in order to meet the requirements of the United States Geological Survey, the Seventh and Eighth Expansions of the Mesaverde Formation and the Fifth Expansion of the Dakota Formation and have prepared a Sixth Expansion of the Dakota Formation and a Ninth Expansion of the Mesaverde Formation to include the Allison Unit #19 (MD) Well.

These expansions are enclosed herewith for your examination and approval and after the Commissioner of Public Lands has approved these expansions, it would be greatly appreciated if you would forward them on to the Oil Conservation Commission for like approval.

Commissioner of Public Lands  
Oil Conservation Commission

-2-

January 18, 1960

After the Oil Conservation Commission has approved these expansions and each of you have retained your copies it would be greatly appreciated if the Oil Conservation Commission would return to us five complete copies, fully executed, for our further handling.

Very truly yours,

EL PASO NATURAL GAS COMPANY

ORIGINAL SIGNED BY

HARRY GEVERTZ

By

---

Harry Gevertz  
Area Landman  
Land Department

HG:GA:ch

# El Paso Natural Gas Company

El Paso, Texas

December 18, 1959

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and  
Archuleta Counties, Colorado  
NINTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective September 1, 1959

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Ninth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, and La Plata County, Colorado, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 7 West (Colorado)  
Section 23: NE/4 SE/4, E/2 NE/4 (E/2 E/2)  
Section 24: N/2 S/2, N/2 (All)

Township 32 North, Range 7 West (New Mexico)  
Section 9: Lots 1,2,3, E/2 SW/4, SE/4  
Section 10: Lots 2,3,4, W/2 SE/4, SW/4

Containing 1,191.24 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #19 (MD) Well, a dual completion well, located 800' from the South line and 1849' from the West line of Section 24, Township 32 North, Range 7 West, La Plata County, Colorado, was spudded on May 26, 1959, and completed on July 24, 1959, at a total depth of 8611'. The Mesaverde Formation between 6093' - 6105', 6114' - 6125', 6133' - 6147', 6155' - 6166' was treated with a sand-water fracturing process. After being shut-in for ten (10) days from August 7, 1959, being the date upon which the test for the Dakota Formation was completed, the well was tested on August 17, 1959, in the Mesaverde Formation, and following a three (3) hour blow-down period gauged 2856 MCFGPD through a 3/4" choke and 3976 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1177#.

Attached is Exhibit "B-9" showing the entire Mesaverde Participating Area for the Allison Unit, reflecting the Ninth Expansion. Exhibit "B-9" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Ninth Expanded Mesaverde Participating Area will be effective September 1, 1959. If this Ninth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #19 (MD) Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Dakota Participating Area is being separately made for submission to you for approval of a Sixth Expanded Participating Area of the Dakota Formation.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

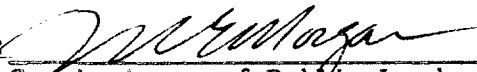
EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

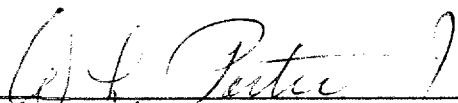
TWB:GA:ch

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey

Subject to like approval by the appropriate  
State officials.

APPROVED:  DATE: Jan 25, 1960  
Commissioner of Public Lands

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

APPROVED:  DATE: Jan 26, 1960  
Oil Conservation Commission

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Ninth Expanded Participating Area for the  
Mesaverde Formation, effective September 1, 1959, under the Allison Unit  
I Sec. No. 752, San Juan County, New Mexico, La Plata and Archuleta Counties,  
Colorado.



ALLISON UNIT  
WORKING INTEREST OWNERS

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. J. L. Hoyt, Jr. (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Bldg.  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

# El Paso Natural Gas Company

El Paso, Texas

December 18, 1959

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and  
Archuleta Counties, Colorado  
EIGHTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective July 1, 1959

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Eighth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 6 West

Section 17: N/2 NW/4

Section 18: Lots 1,2,3,4, W/2 E/2, E/2 W/2, NE/4 NE/4

Section 19: Lots 1,2,3,4, E/2 W/2

Containing 914.65 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #20 Well, a dual completion well located 1800' from the South line and 850' from the West line of Section 18, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on March 28, 1959, and completed on May 23, 1959, at a total depth of 8240'. The Mesaverde Formation between 5700' - 5706', 5714' - 5742' was treated with a sand-water fracturing process. After being shut-in for fifteen (15) days,

from June 1, 1959, being the date upon which the test for the Dakota Formation was completed, the well was tested on June 16, 1959, in the Mesaverde Formation, and following a three (3) hour blow-down period gauged 3157 MCFGPD through a 3/4" choke, and 5512 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1094#.

Attached is Exhibit "B-8" showing the entire Mesaverde Participating Area for the Allison Unit reflecting the Eighth Expansion. Exhibit "B-8" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Eighth Expanded Mesaverde Participating Area will be effective July 1, 1959. If this Eighth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

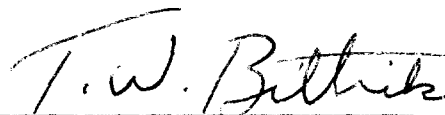
The Allison Unit #20 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations. The Dakota Formation was expanded effective March 1, 1956, Second Expansion, and, the required Notice of Completion of Additional Well will be forwarded under separate cover.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By




T. W. Bittick  
Assistant Manager  
Land Department

TWB:GA:ch

APPROVED: \_\_\_\_\_  
Director, United States Geological Survey

DATE: \_\_\_\_\_

Subject to like approval by the appropriate  
State officials.

APPROVED:  \_\_\_\_\_  
Commissioner of Public Lands

DATE: Jan 25, 1960

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission

DATE: Jan 26, 1960

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Eighth Expanded Participating Area for the Mesa-  
verde Formation, effective July 1, 1959, under the Allison Unit Area I Sec. No. 752,  
San Juan County, New Mexico.

ALLISON UNIT  
WORKING INTEREST OWNERS

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. J. L. Hoyt, Jr.  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Bldg.  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

## EXHIBIT B

### Geological Report on the Eighth Expanded Mesaverde Participating Area in the Allison Unit

#### GENERAL INFORMATION

The Allison Unit lies along the Colorado, New Mexico border in the northern part of the San Juan Basin within Township 32 North, and Ranges 6 and 7 West. This area is along the southern extent of the Ignacio Anticline and some local structure is reflected within the Unit. Structural contours of the Mesaverde Formation were difficult to obtain due to poorly defined sections and lenticular sands and shales within the area; however, the accompanying Structural Contour Map (Exhibit C) is contoured on the most pronounced and continuous massive sandstone of the Point Lookout member. This map defines the southern extent of the Ignacio Anticline within Township 32 North, Range 6 West and also shows another structure immediately to the west. The latter structure is difficult to define due to lack of local control to the northwest but contours indicate that it is the southern extent of another smaller anticline.

The Mesaverde group within the Allison Unit is of upper Cretaceous age and has an average thickness of 400 feet. It is composed of three formations, with the basal formation being the Point Lookout sandstone. Overlying the Point Lookout is the Menefee Formation consisting of intermittent sand, shale and coal beds. The uppermost formation is the Cliff House sandstone. The Point Lookout is the most prolific gas producing formation of the group within the Allison Unit. Lenticular sand bodies of the Menefee, which are known to produce gas in other portions of the San Juan Basin are poorly developed within the Unit. Likewise, the Cliff House sandstone is poorly developed and difficult to define.

The new expansion of the participating area is based upon the facts listed above.

#### NEW EXPANSION

The following expansion is considered to cover proven acreage as indicated:

##### Eighth Expansion - Effective Date July 1, 1959

W/2 E/2

Section 18, T 32N, R 6W

Lots 1,2,3,4, E/2 W/2

Section 18, T 32N, R 6W

Allison No. 20 (MD)

The Allison No. 20 MD was completed June 16, 1959, for an Initial Potential of 3,157 MCF/D. This completion should prove the acreage to be commercial.

N/2 NW/4

Section 17, T 32N, R 6W

NE/4 NE/4

Section 18, T 32N, R 6W

This acreage lies directly between the two portions of the Participating Area and fill in the drilling blocks of the present Participating Area and should be included as proven acreage. Electric logs of the Allison No. 1 show a very favorable Mesaverde section that would produce commercial quantities of gas.

Lots 1,2,3,4, E/2 W/2  
Section 19, T 32N, R 6W

This acreage lies directly between the Allison No. 17 MD, completed September 29, 1958, for an initial potential of 4,456 MCF/D and the Allison No. 10 MD, completed April 5, 1956, for an initial potential of 4,623 MCF/D and is offset to the north by the Allison No. 20 MD. This intervening block should be considered proven on the basis of these three wells.

EL PASO NATURAL GAS COMPANY

By Roy E. Pritchard  
Roy E. Pritchard  
Division Superintendent  
Geological & Reservoir  
Engineering

# *El Paso Natural Gas Company*

*El Paso, Texas*

December 18, 1959

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and  
Archuleta Counties, Colorado  
SEVENTH EXPANDED PARTICIPATING  
AREA, MESAVERDE FORMATION  
Effective October 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Seventh Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 7 West  
Section 11: Lots 1,2  
Section 12: Lots 1,2,3,4, S/2  
Section 13: E/2  
Section 23: SE/4  
Section 24: All  
Containing 1558.20 acres, more or less



The lands described above are proven to be productive by the following:

1. The Allison Unit #13 Well, a dual completion well located 890' from the South line and 950' from the West line of Section 12, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 11, 1957, and completed on July 16, 1958, at a total depth of 8150'. The Mesaverde Formation between 5748' - 5768', 5780' - 5798', 5812' - 5830' was treated with a sand-water fracturing process. After being shut-in for seventeen (17) days, the well was tested on September 18, 1958, in the Mesaverde Formation, and following a three (3) hour blow-down period gauged 3914 MCFGPD through a 3/4" choke, and 4170 MCFGPD by the calculated absolute open-flow method with an SIPC of 1166#.
2. The Allison Unit #17 Well, a dual completion well located 1650' from the South line and 1650' from the West line of Section 24, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 27, 1958, and completed on September 4, 1958, at a total depth of 8121'. The Mesaverde Formation between 5704' - 5734' and 5750' - 5780' was treated with a sand-water fracturing process. After being shut-in for twenty-four (24) days, the well was tested on September 29, 1958, in the Mesaverde Formation, and following a three (3) hour blow-down period gauged 4456 MCFGPD through a 3/4" choke and 4925 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1061#.

Attached is Exhibit "B-7" showing the entire Mesaverde Participating Area for the Allison Unit reflecting the Seventh Expansion. Exhibit "B-7" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Seventh Expanded Mesaverde Participating Area will be effective October 1, 1958. If this Seventh Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #13 and #17 Wells are dual completion wells, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Dakota Participating Area is being separately made by submission to you for approval of a Fifth Expanded Participating Area of the Dakota Formation.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GA:ch

ALLISON UNIT  
WORKING INTEREST OWNERS

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. J. L. Hoyt, Jr. (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Bldg.  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

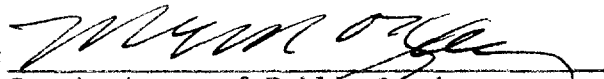
Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

APPROVED:

Director, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

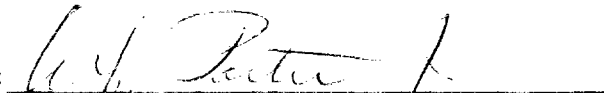
DATE: \_\_\_\_\_

APPROVED:

  
Commissioner of Public Lands  
Subject to like approval by the United  
States Geological Survey and the Oil  
Conservation Commission.

DATE: Jan 25, 1960

APPROVED:

  
Oil Conservation Commission  
Subject to like approval by the United  
States Geological Survey and the  
Commissioner of Public Lands.

DATE Jan 26, 1960

The foregoing approvals are for the Seventh Expanded Participating Area for the  
Mesaverde Formation, effective October 1, 1958, under the Allison Unit Area I Sec.  
No. 752, San Juan County, New Mexico.

# El Paso Natural Gas Company

*El Paso, Texas*

December 18, 1959

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and  
Archuleta Counties, Colorado  
SIXTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective September 1, 1959

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Sixth Expanded Participating Area for the Dakota Formation, Allison Unit, San Juan County, New Mexico and La Plata County, Colorado, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 7 West (Colorado)  
Section 23: NE/4 SE/4, E/2 NE/4 (E/2 E/2)  
Section 24: N/2 S/2, N/2 (All)

Township 32 North, Range 7 West (New Mexico)  
Section 9: Lots 1,2,3, SE/4, E/2 SW/4  
Section 10: Lot 4, W/2 SW/4

Containing 992.46 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #19 (MD) Well, a dual completion well, located 800' from the South line and 1849' from the West line of Section 24, Township 32 North, Range 7 West, La Plata County, Colorado, was spudded on May 26, 1959, and completed on July 24, 1959, at a total depth of 8611'. The Dakota Formation between 8346' - 8358', 8366' - 8374', 8408' - 8416', 8480' - 8488', 8516' - 8525', 8530' - 8538' was treated with a sand-water fracturing process. The Dakota Formation was shut-in for fourteen (14) days, and the well was tested on August 7, 1959. Following a three (3) hour blow-down period the Dakota Formation gauged 4825 MCFGPD through a 3/4" choke and 5988 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1755#.


Attached is Exhibit "B-6" showing the entire Dakota Participating Area for the Allison Unit, reflecting the Sixth Expansion for the Dakota Formation of the Allison Unit Area. Exhibit "B-6" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated. unless a more appropriate effective date is specified in the schedule", this Sixth Expanded Dakota Participating Area will be effective September 1, 1959. If this Sixth Expanded Dakota Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #19 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made for submission to you for approval of a Ninth Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GA:ch

ALLISON UNIT  
WORKING INTEREST OWNERS

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. J. L. Hoyt, Jr. (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Bldg.  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas





# El Paso Natural Gas Company

El Paso, Texas

December 18, 1959

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit I Sec. No. 752  
San Juan County, New Mexico  
La Plata and  
Archuleta Counties, Colorado  
FIFTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective October 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Fifth Expanded Participating Area for the Dakota Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 7 West  
Section 12: Lots 1,2,3,4, S/2 (All)  
Section 24: All  
Containing 1,039.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #13 Well, a dual completion well,  
located 890' from the South line and 950' from the

West line of Section 12, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 11, 1957, and completed on July 16, 1958, at a total depth of 8150'. The Dakota Formation between 7984' - 7998', 8032' - 8070' was treated with a sand-water fracturing process. The Dakota Formation was shut-in for nine (9) days, and the well was tested on September 10, 1958. Following a three (3) hour blow-down period the Dakota gauged 2005 MCFGPD through a 3/4" choke and 2093 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2427#.

2. The Allison Unit #17 Well, a dual completion well, located 1650' from the South line and 1650' from the West line of Section 24, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 27, 1958, and completed on September 4, 1958, at a total depth of 8121'. The Dakota Formation between 7968' - 7994', 8019' - 8040', 8070' - 8084' and 8088' - 8103' was treated with a sand-water fracturing process. After being shut-in for fourteen (14) days, the well was tested on September 19, 1958, in the Dakota Formation, and following a three (3) hour blow-down period gauged 1345 MCFGPD through a 3/4" choke and 1353 MCFGPD by the calculated absolute open-flow method, with an SIPT of 2749#.

Attached is Exhibit "B-5" showing the entire Dakota Participating Area for the Allison Unit reflecting the Fifth Expansion for the Dakota Formation of the Allison Unit Area. Exhibit "B-5" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Fifth Expanded Dakota Participating Area will be effective October 1, 1958. If this Fifth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #13 and #17 Wells are dual completion wells, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made by submission to you for approval of a Seventh Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY


By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GA:ch

APPROVED: \_\_\_\_\_  
Director, United States Geological Survey

DATE: \_\_\_\_\_

Subject to like approval by the appropriate  
State officials.

APPROVED:  \_\_\_\_\_  
Commissioner of Public Lands

DATE: Jan 25, 1960

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission

APPROVED:  \_\_\_\_\_  
Oil Conservation Commission

DATE: Jan 26, 1960

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Fifth Expanded Participating Area for the  
Dakota Formation, effective October 1, 1958, under the Allison Unit Area, I Sec.  
No. 752, San Juan County, New Mexico.

ALLISON UNIT  
WORKING INTEREST OWNERS

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. J. L. Hoyt, Jr.  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Bldg.  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

# El Paso Natural Gas Company

El Paso, Texas  
August 17, 1959

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
EIGHTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective July 1, 1959

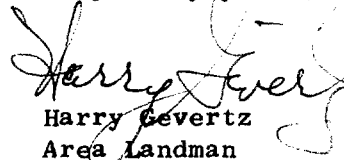
Gentlemen:

With reference to the captioned Expansion and the first page thereof, no doubt you have noticed that 320.00 acres in Section 18 was not described in our letter of August 7, 1959.

We have prepared a new first page and are enclosing a copy to be replaced on your copy of the captioned Expansion.

Please accept our apologies and we sincerely hope that this has caused you no inconvenience.

Very truly yours,

  
Harry Gevertz  
Area Landman  
Land Department

HG:GA:ic

Enclosure

# El Paso Natural Gas Company

*El Paso, Texas*

August 7, 1959

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
EIGHTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective July 1, 1959

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Eighth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 6 West  
Section 17: N/2 NW/4  
Section 18: Lots 1,2,3,4, W/2 E/2, E/2 W/2, NE/4 NE/4  
Section 19: Lots 1,2,3,4, E/2 W/2  
Containing 914.65 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #20 Well, a dual completion well located 1800' from the South line and 850' from the West line of Section 18, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on March 28, 1959, and completed on May 23, 1959, at a total depth of 8150'. The Mesaverde Formation between 5700' - 5706'; 5714' - 5742' was treated with

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 11, 1959

C El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. Harry Gevertz

RE: Eighth Expanded Participating Area,  
Mesaverde Formation, Allison Unit,  
San Juan County, New Mexico, La Plata  
& Archuleta Counties, Colorado

O Gentlemen:

P This is to advise that the New Mexico Oil Conservation Commission has  
this date approved the Eighth expanded participating area, Mesaverde Formation,  
for the Allison Unit, San Juan County, New Mexico and La Plata and Archuleta  
Counties, Colorado, subject to like approval by the United States Geological  
Survey and the Commissioner of Public Lands of the State of New Mexico.

Y Approval of this Eighth Expanded Participating Area shall in no way  
be construed as meaning that the Commission believes that the included acreage  
has been proven productive only by the drilling of the wells currently completed,  
nor shall it be construed that the Commission necessarily feels that the existing  
wells are effectively draining all of the acreage included in the participating  
area. Instead the Commission is of the opinion that geological inference along a  
known productive trend is, in this case, sufficient reason to believe the subject  
lands reasonably proved productive, in accordance with Section 10 of the Allison  
Unit Agreement.

Seven approved copies of the application were handed to Mr. George  
Allred.

Very truly yours,

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

ALP/RLS:ig

cc: State Land Office  
USGS - Roswell



In reply refer to:  
Unit Division

August 11, 1959

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Allison Unit Area  
Eighth Expanded Participating  
Area, Mesaverde Formation  
Effective July 1, 1959

Gentlemen:

We are handing to Mr. George Allred, seven copies of the Eighth Expanded Participating Area, Mesaverde Formation, which are dated August 10, 1959 and approved by the Commissioner of Public Lands August 11, 1959.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m

cc:

OCC-Santa Fe  
USGS-Roswell

C  
O  
P  
Y

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 11, 1959

C  
O  
P  
Y  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. Harry Gevertz

RE: Seventh Expanded Participating  
Area, Mesaverde Formation, Allison  
Unit, San Juan County, New Mexico,  
La Plata & Archuleta Counties,  
Colorado

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Seventh Expanded Participating Area, Mesaverde formation, for the Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, subject to like approval by the United States Geological Survey and the Commissioner of Public Land of the State of New Mexico.

Approval of this Seventh Expanded Participating Area shall in no way be construed as meaning that the Commission believes that the included acreage has been proven productive only by the drilling of the wells currently completed, nor shall it be construed that the Commission necessarily feels that the existing wells are effectively draining all of the acreage included in the participating area. Instead the Commission is of the opinion that geological inference along a known productive trend is, in this case, sufficient reason to believe the subject lands reasonably proved productive, in accordance with Section 10 of the Allison Unit Agreement.

Seven approved copies of the application were handed to Mr. George Allred.

Very truly yours,

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

ALP/RLS:ig  
cc: State Land Office  
USGS - Roswell

For OCC  
File

In reply refer to:  
Unit Division

August 11, 1959

C  
O  
P  
Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Allison Unit Area  
Seventh Expanded Participating  
Area, Mesaverde Formation  
Effective October 1, 1958

Gentlemen:

We are handing to Mr. George Allred, seven copies of the Seventh Expanded Participating Area, Mesaverde Formation, which are dated August 10, 1959 and approved by the Commissioner of Public Lands August 11, 1959.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m  
cc:

OCC- Santa Fe  
USGS- Roswell

# El Paso Natural Gas Company

El Paso, Texas

August 7, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
SEVENTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation  
Effective October 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Seventh Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 7 West

Sec. 11: Lots 1,2

Sec. 12: Lots 1,2,3,4, S/2

Sec. 13: E/2

Sec. 24: All

Containing 1398.20 acres, more or less

The lands described above are proven to be productive by the following:

1. The Allison Unit #13 Well, a dual completion well located 890' from the South line and 950' from the West line of Section 12, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 11, 1957, and completed on

July 16, 1958, at a total depth of 8150'. The Mesaverde Formation between 5748' - 5768'; 5780' - 5798'; 5812' - 5830' was treated with a sand-water fracturing process. After being shut in for seventeen (17) days, the well was tested on September 18, 1958, in the Mesaverde Formation and following a three hour blow-down period gauged 3914 MCFGPD through a 3/4" choke and 4170 MCFGPD by the calculated absolute open-flow method with an SIPC of 1166#.

2. The Allison Unit #17 Well, a dual completion well located 1650' from the South line and 1650' from the West line of Section 24, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 27, 1958, and completed on September 4, 1958, at a total depth of 8121'. The Mesaverde Formation between 5704' - 5734'; and 5750' - 5780' was treated with a sand-water fracturing process. After being shut in for twenty-four (24) days, the well was tested on September 29, 1958, in the Mesaverde Formation and following a three hour blow-down period gauged 4456 MCFGPD through a 3/4" choke and 4925 MCFGPD by the calculated absolute open-flow method with an SIPC of 1061#.

Attached is Exhibit "B-7" showing the entire Mesaverde Participating Area for the Allison Unit reflecting the Seventh Expansion. Exhibit "B-7" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Seventh Expanded Mesaverde Participating Area will be effective October 1, 1958. If this Seventh Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #13 and #17 Wells are dual completion wells, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Dakota Participating Area is being separately made by submission to you for approval of a Fifth Expanded Participating Area of the Dakota Formation.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

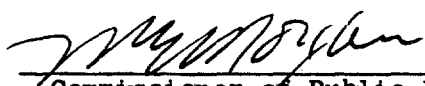
Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

APPROVED:

\_\_\_\_\_  
Director, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

DATE: \_\_\_\_\_


APPROVED:

  
\_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE:

August 14, 1957

APPROVED:

  
\_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE:

Aug 14, 1957

The foregoing approvals are for the Seventh Expanded Participating Area for the Mesaverde Formation, effective October 1, 1958, under the Allison Unit Area I Sec. No. 752, San Juan County, New Mexico.

C - CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 11, 1959

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. Harry Gevertz

RE: Fifth Expanded Participating Area,  
Dakota Formation, Allison Unit, San  
Juan County, New Mexico, La Plata &  
Archuleta Counties, Colorado.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fifth Expanded participating area, Dakota Formation for the Allison Unit, San Juan County, New Mexico and La Plata and Archuleta Counties, Colorado, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Approval of this Fifth Expanded Participating Area shall in no way be construed as meaning that the Commission believes that the included acreage has been proven productive only by the drilling of the wells currently completed, nor shall it be construed that the Commission necessarily feels that the existing wells are effectively draining all of the acreage included in the participating area. Instead the Commission is of the opinion that geological inference along a known productive trend is, in this case, sufficient reason to believe the subject lands reasonably proved productive, in accordance with Section 10 of the Allison Unit Agreement.

Seven approved copies of the application were handed to Mr. George Allred.

Very truly yours,

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

ALP/RLS/ig

cc: State Land Office  
USGS - Roswell



In reply refer to:  
Unit Division

August 11, 1959

C  
O  
P  
Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. T. W. Bittick

Re: Allison Unit Area  
Fifth Expanded Participating  
Area, Dakota Formation  
Effective October 1, 1958

Gentlemen:

We are handing to Mr. George Allred, seven copies of the Fifth Expanded Participating Area, Dakota Formation, which are dated August 10, 1959 and approved by the Commissioner of Public Lands August 11, 1959.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m

cc: OCC- Santa Fe  
USGS- Roswell

# *El Paso Natural Gas Company*

*El Paso, Texas*

August 10, 1959

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit Area  
I Sec. No. 752  
Fifth Expanded Participating  
Area, Dakota Formation  
Effective October 1, 1958

Gentlemen:

Enclosed herewith please find eight (8) copies of a request for approval of the Fifth Expanded Participating Area for the Dakota Formation of the Allison Unit. The Commissioner of Public Lands of the State of New Mexico requires two approved copies and the United States Geological Survey requires four approved copies.

Upon your approval of this Expansion, we request that you execute each copy in the space provided and forward seven (7) approved copies to the Commissioner of Public Lands of the State of New Mexico. We have also enclosed a letter which we ask that you forward to the Commissioner along with the Expansion.

Thank you in advance for your cooperation in this matter.

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:GA:ic  
Enclosures

# El Paso Natural Gas Company

El Paso, Texas

August 7, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
**EIGHTH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation**  
Effective July 1, 1959

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Eighth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 6 West  
Section 17: N/2 NW/4  
Section 18: Lots 1,2,3,4, NE/4 NE/4  
Section 19: Lots 1,2,3,4, E/2 W/2  
Containing 914.65 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #20 Well, a dual completion well located 1800' from the South line and 850' from the West line of Section 18, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on March 28, 1959, and completed on May 23, 1959, at a total depth of 8150'. The Mesaverde Formation between 5700' - 5706'; 5714' - 5742' was treated with

a sand-water fracturing process. After being shut in for fifteen (15) days, from June 1, 1959, being the date upon which the test for the Dakota Formation was completed, the well was tested on June 16, 1959, in the Mesaverde Formation and following a three hour blow-down period gauged 3157 MCFGPD through a 3/4" choke and 5512 MCFGPD by the calculated absolute open-flow method with an SIPC of 1094#.

Attached is Exhibit "B-8" showing the entire Mesaverde Participating Area for the Allison Unit reflecting the Eighth Expansion. Exhibit "B-8" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule", this Eighth Expanded Mesaverde Participating Area will be effective July 1, 1959. If this Eighth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #20 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations. The Dakota Formation was expanded effective March 1, 1956, Second Expansion, and, the required Notice of Completion of Additional Well will be forwarded under separate cover.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:GA:ic

cc: Attached List

Director, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

DATE: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: August 11, 1959

Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: 6-11-68

The foregoing approvals are for the Eighth Expanded Participating Area for the Mesaverde Formation, effective July 1, 1959, under the Allison Unit Area I Sec. No. 752, San Juan County, New Mexico.

# *El Paso Natural Gas Company*

*El Paso, Texas*

August 7, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
FIFTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective October 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the FIFTH EXPANDED PARTICIPATING AREA for the Dakota Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 7 West  
Section 12: All  
Section 24: All  
Containing 1039.00 acres, more or less

The lands described above are proven to be productive by the following:

1. The Allison Unit #13 Well, a dual completion well located 890' from the South line and 950' from the West line of Section 12, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 11, 1957, and completed on July 16, 1958, at a total depth of 8150'. The Dakota Formation between 7984' - 7998'; 8032' - 8070' was treated with

a sand-water fracturing process. The Dakota Formation was shut in for nine (9) days, and the well was tested on September 10, 1958. Following a three hour blow-down period the Dakota gauged 2005 MCFGPD through a 3/4" choke and 2093 MCFGPD by the calculated absolute open-flow method with an SIPT of 2427#.

2. The Allison Unit #17 Well, a dual completion well located 1650' from the South line and 1650' from the West line of Section 24, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 27, 1958, and completed on September 4, 1958, at a total depth of 8121'. The Mesaverde Formation between 7968' - 7994'; 8019' - 8040'; 8070' - 8084'; and 8088' - 8103' was treated with a sand-water fracturing process. After being shut in for fourteen (14) days, the well was tested on September 19, 1958, in the Dakota Formation and following a three hour blow-down period gauged 1345 MCFGPD through a 3/4" choke and 1353 MCFGPD by the calculated absolute open-flow method with an SIPT of 2749#.

Attached is Exhibit "B-5" showing the entire Dakota Participating Area for the Allison Unit reflecting the Fifth Expansion for the Dakota Formation of the Allison Unit Area. Exhibit "B-5" describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule.", this Fifth Expanded Dakota Participating Area will be effective October 1, 1958. If this Fifth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #13 and #17 Wells are dual completion wells, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made by submission to you for approval of a Seventh Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:GA:ic

cc: Attached List

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 487  
Farmington, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas



APPROVED:

\_\_\_\_\_  
Director, United States Geological Survey

DATE: \_\_\_\_\_

Subject to like approval by the appropriate  
State officials.

APPROVED:

  
\_\_\_\_\_  
Commissioner of Public Lands

DATE:

Aug 11, 1959

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

APPROVED:

  
\_\_\_\_\_  
Oil Conservation Commission

DATE:

Aug 11, 1959

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Fifth Expanded Participating Area for the Dakota Formation, effective October 1, 1958, under the Allison Unit Area, I Sec. No. 752, San Juan County, New Mexico.

# El Paso Natural Gas Company

El Paso, Texas

August 7, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL, Dakota Formation

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one additional well capable of producing unitized substances in paying quantities from the Dakota Formation has been completed upon acreage committed to this Unit. This well is as follows:

The Allison Unit #20 Well, a dual completion well located 1800' from the South line and 850' from the West line of Section 18, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on March 28, 1959, and completed on May 23, 1959, at a total depth of 8250'. The Dakota Formation between 7969' - 7983'; 8034' - 8044'; 8048' - 8057'; 8088' - 8097'; 8101' - 8110'; and 8159' - 8169' was treated with a sand-water fracturing process. After being shut in for nine (9) days, the well was tested on June 1, 1959, in the Dakota Formation and following a three hour blow-down period gauged 6345 MCFGPD through a 3/4" choke and 8870 MCFGPD by the calculated absolute open-flow method with an SIPT of 2690#.

The acreage on which the Allison Unit #20 Well is located was included in the Second Expanded Participating Area for the Dakota Formation approved effective March 1, 1956; therefore, the Participating Area for the Dakota Formation is not being expanded by the addition of the Allison Unit #20 Well.

The Allison Unit #20 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations, and an expansion of the Mesaverde Participating Area is being separately made by submission to you for approval of an Eighth Expanded Participating Area of the Mesaverde Formation.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By

  
Harry Gevertz

Area Landman

Land Department

HG:GA:ic

cc: Attached List

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

MAIN OFFICE OCC

In reply refer to:  
Unit Division

FEB MAR 5 AM 8:39

February 17, 1959

*File  
224*

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit  
San Juan County, New Mexico  
1959 Drilling Program

ATTENTION: Mr. Sam Smith

Gentlemen:

We are enclosing one copy of the 1959 Drilling Program  
for the Allison Unit Area.

This program for the drilling of two wells to be dually  
completed in the Mesaverde and Dakota Formations, has been  
approved by the Commissioner of Public Lands as of February  
17, 1959.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Hilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m

cc:

OCC- Santa Fe  
USGS- Roswell

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OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 26, 1959

C  
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Y  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

ATTENTION: Mr. Sam Smith

Re: 1959 Drilling Program  
Allison Unit San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1959 Drilling Program for the Allison Unit San Juan 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 application is returned herewith.

Very truly yours,

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

ALP/RLS/pj

cc: State Land Office - Santa Fe  
US Geological Survey - Roswell

# El Paso Natural Gas Company

El Paso, Texas

January 2, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
1959 DRILLING PROGRAM

Gentlemen:

By letter dated May 16, 1958, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1958. Said Program provided for the drilling of two (2) dual Dakota-Mesaverde wells. These two (2) wells, the Allison Unit #16 and #17 Wells, have been completed upon lands committed to the unit. One well, the Allison Unit #13 Well, scheduled for 1957 was carried over into 1958 because of drilling difficulties and was dually completed upon lands committed to the unit.

The Allison Unit #13 Well has been determined to be productive in paying quantities from both the Mesaverde and Dakota Formations, and the acreage from which the well has been determined to be productive is presently in the process of being admitted to both the Mesaverde and the Dakota Participating Areas.

The Allison Unit #16 Well has been determined to be productive in paying quantities from both the Mesaverde and Dakota Formations. It was determined that the commercial completion of the #16 Well did not prove any additional acreage to that previously admitted to the Mesaverde Participating Area, but the acreage from which the #16 Well has been determined to be productive is presently in the process of being admitted to the Dakota Participating Area.

The Allison Unit #17 Well has been determined to be productive in paying quantities from only the Mesaverde Formation, and the acreage from which the #17 Well has been determined to be productive is presently in the process of being admitted to the Mesaverde Participating Area.

As of this date, the total number of wells in the Allison Unit is as follows:

Mesaverde	7
Dakota	3
Dual, Mesaverde-Dakota	4
Plugged and Abandoned	1

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is herewith submitting this Drilling Program providing for the drilling of the following described wells during the period from January 1, 1959 to December 31, 1959:

DRILLING BLOCK

FORMATION

W/2, Section 18, T-32-N, R-6-W, N.M.P.M.	Dual, Dakota-Mesaverde
All, Section 24, T-32-N, R-7-W, N.M.P.M.	Dual, Dakota-Mesaverde
Colorado	

El Paso Natural Gas Company, as Unit Operator, intends to drill the above listed Dakota-Mesaverde dual wells to the base of the Dakota Formation using rotary tools. Surface casing of 13 3/8" will be set to the depth of approximately 150' and an intermediate string of 9 5/8" will be run through the Pictured Cliffs Formation to a depth of approximately 3200'; and then Operator will run a production string of either 5 1/2" or 7" casing to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A production packer will be run on 2" tubing thus enabling the Dakota to produce through the tubing and the Mesaverde to produce through the casing.

Unit Operator considers that the proposed program constitutes reasonable development of the Allison Unit Area.


El Paso Natural Gas Company, as Unit Operator, will protect the unit from drainage and will comply with any drilling requirements created under the terms of the Unit Agreement calling for additional drilling.

All of the Working Interest Owners have been notified, and this Drilling Program reflects, insofar as possible, their requests for additional drilling.

If this Drilling Program is acceptable, please signify your approval, as required under Section 9 of the Unit Agreement, in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith  
Manager  
Land Department

SS:DN:pc

cc: Attached List



APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: \_\_\_\_\_

APPROVED: *W. H. Carter*  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: *May 29, 1959*

The foregoing approvals are for the 1959 Drilling Program for the Allison  
Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth 1, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
800 San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

# El Paso Natural Gas Company

El Paso, Texas  
February 10, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
FOURTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective August 1, 1958

Gentlemen:

The captioned expansion was approved by the Director of the United States Geological Survey on February 3, 1959, by the Commissioner of Public Lands of the State of New Mexico on November 17, 1958, and by the Oil Conservation Commission of the State of New Mexico on November 17, 1958. Please note your records accordingly.

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly,

  
Harry Gevertz  
Area Landman  
Land Department

HG:DN:pc

cc: Attached Sheet

ALLISON UNIT  
WORKING INTEREST OWNERS

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
P. O. Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corp.  
P. O. Box 1410  
Ft. Worth, Texas

Pan American Petroleum Corp.  
P. O. Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Bldg.  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

# El Paso Natural Gas Company

El Paso, Texas

January 21, 1959

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
SIXTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective March 1, 1958

Gentlemen:

The Sixth Expanded Mesaverde Formation, effective March 1, 1958, for the captioned Unit has been approved by the State and Federal regulatory bodies as follows:

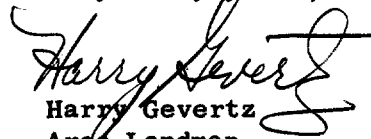
Oil Conservation Commission of the State of New Mexico  
On October 28, 1958.

Commissioner of Public Lands of the State of New Mexico  
On October 28, 1958.

United States Geological Survey on January 12, 1959.

Copies of this letter are being sent to the working interest owners as shown on the attached sheet.

Very truly yours,

  
Harry Gevertz  
Area Landman  
Land Department

HG:DCN:nl

**ALLISON UNIT**  
**Working Interest Owners**

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth 1, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
800 San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

P. O. Box 6721  
Roswell, New Mexico

February 3, 1959

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1959 Plan of Development dated January 2, 1959, for the Allison unit, I-Sec. No. 752, San Juan County, New Mexico and La Plata and Archuleta Counties, Colorado, proposing the drilling of two wells to be dually completed in the Dakota and Mesaverde formations, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

EDWIN M. THOMASSON  
Acting Oil and Gas Supervisor

Enclosure 2

Copy to: Washington (w/copy of plan)  
Farmington (w/copy of plan)  
NMOCC, Santa Fe (letter only)  
Comm. Pub. Lands, Santa Fe (letter only)

6:13

In Reply refer to:  
Unit Division

November 19, 1953

File  
224

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Fourth Expanded Dakota  
Participating Area  
Allison Unit- San Juan  
County, New Mexico

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved the Fourth Expanded Participating Area, Dakota Formation, for the Allison Unit, subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Seven approved copies of the application were handed to Mr. Gevertz.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

BY:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/m

cc: OCC-SANTA FE  
USGS-ROSWELL

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OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 17, 1958

File  
224

El Paso Natural Gas Company  
Box 1492  
El Paso, Texas

Attention: Mr. Harry Gevertz

Re: Fourth Expanded Dakota  
Participating Area  
Allison Unit - San Juan  
County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fourth Expanded Participating Area for the Allison Unit, San Juan 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.

Six approved copies of the application were handed to Mr. Gevertz.

Very truly yours,

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

ALP/RLS/ir

cc: Commissioner of Public Lands - Santa Fe, N.M.  
U. S. Geological Survey - Roswell, New Mexico

C  
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Y

# El Paso Natural Gas Company

El Paso, Texas

October 30, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

AP 7 24  
1 1/2

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
FOURTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective August 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Fourth Expanded Participating Area for the Dakota Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 7 West  
Section 15: S/2, W/2 NW/4  
Section 16: E/2  
Containing 720.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #16 Well, a dual completion well located 890' from the South line and 1800' from the West line of Section 15, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on April 19, 1958 and completed on July 6, 1958, at a total depth of 8490'. The Dakota Formation between 8310'-8330', 8354'-8386', 8410'-8430' was treated with a sand-water fracturing process. After being shut-in for eight (8) days the well was tested on July 14, 1958 in the Dakota Formation, and following a three hour blow-down period gauged 2571 MCFGPD through a 3/4" choke and 2756 MCFGPD by the calculated absolute open-flow method with an SIPT of 2498#.

Attached is Exhibit "B-4" showing the Fourth Expanded Participating Area for the Dakota Formation of the Allison Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule.", this Fourth Expanded Dakota Participating Area will be effective August 1, 1958. If this Fourth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #16 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations. It has been determined that the commercial completion of the Allison Unit #16 Well does not prove any additional acreage other than that previously admitted to the Mesaverde Participating Area by the Second Expansion for said formation, effective September 1, 1954.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:SHM:pc

cc: Attached List

APPROVED: \_\_\_\_\_  
Director, United States Geological Survey

DATE: \_\_\_\_\_

Subject to like approval by the appropriate  
State officials.

APPROVED: W. M. Morgan  
Commissioner of Public Lands

DATE: Nov 17, 1958

Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

APPROVED: W. H. Carter, Jr.  
Oil Conservation Commission

DATE: Nov 17, 1958

Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

The foregoing approvals are for the Fourth Expanded Participating Area for the Dakota Formation, effective August 1, 1958, under the Allison Unit Area, I Sec. No. 752, San Juan County, New Mexico.

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States National Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

284

October 28, 1958

El Paso Natural Gas Company  
El Paso, Texas

Attention: Mr. Harry Gevertz

Re: Withdrawal of Approval  
Sixth Expanded Mesaverde  
Participating Area - date  
March 11, 1958, Allison Unit  
San Juan County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date withdrawn its approval of the Sixth Expanded Mesaverde Participating Area dated March 11, 1958 for the Allison Unit in San Juan County, New Mexico.

This application was approved by this office April 28, 1958.

Very truly yours,

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

ALP/RLS/ir

cc: U. S. Geological Survey - Roswell, New Mexico  
State Land Office - Santa Fe, New Mexico

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Y

File 274

In reply refer to:  
Unit Division

October 28, 1958

El Paso Natural Gas Company  
El Paso, Texas

Re: Sixth Expanded Mesaverde  
Participating Area  
Dated October 23, 1958  
Allison Unit-San Juan  
County, New Mexico.

ATTENTION: Mr. Harry Gevertz

Gentlemen:

This is to advise that the Commissioner of Public Lands, of the State of New Mexico, has this date withdrawn his approval of the Sixth Expanded Mesaverde Participating Area, which was approved April 28, 1958.

I am as of this date approving the Sixth Expanded Mesaverde Participating Area dated October 23, 1958, as submitted as of this date subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Six copies of the application are being handed to Mr. McAtee of El Paso Natural Gas Company.

Very truly yours,  
MURRAY E. MORGAN  
Commissioner of Public Lands

by:  
Ted Bilberry, Supervisor  
Oil and Gas Division

MEN/MMR/m  
cc:

USGS- Roswell  
OCC- Santa Fe

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

October 28, 1958

22

C  
O  
P  
Y  
El Paso Natural Gas Company  
El Paso, Texas

Attention: Mr. Harry Gevertz

Re: Sixth Expanded Mesaverde  
Participating Area  
Dated October 23, 1958  
Allison Unit - San Juan  
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Sixth Expanded Mesaverde Participating Area dated October 23, 1958, for the Allison Unit, San Juan 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.

Seven approved copies of the application were handed to Mr. McAtee.

Very truly yours,

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

ALP/RLS/ir

cc: U. S. Geological Survey - Roswell, New Mexico  
State Land Office - Santa Fe, New Mexico



# El Paso Natural Gas Company

El Paso, Texas  
October 22, 1958

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D.C.

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
SIXTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective March 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Sixth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 7 West  
Section 11: SE/4  
Section 13: W/2  
Section 14: NE/4  
Containing 640.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #12 Well, a dual completion well located 1825' from the North line and 1550' from the East line of Section 14, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 7, 1957, and completed on January 1, 1958, at a total depth of 8320'. The Mesaverde Formation between 5796' - 5812', 5822' - 5832', 5842' - 5850', 5860' - 5870' was treated with a sand-water fracturing process. After being shut-in for nineteen (19) days, the well was tested on February 4, 1958 in the Mesaverde Formation and following a three hour blow-down period gauged 6853 MCFGPD through a 3/4" choke and 7490 MCFGPD by the calculated absolute open-flow method with an SIPC of 1563#.

Attached is Exhibit "B-6" showing the Sixth Expanded Participating Area for the Mesaverde Formation of the Allison Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule.", this Sixth Expanded Mesaverde Participating Area will be effective March 1, 1958. If this Sixth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #12 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations. It has been determined that the commercial completion of the Allison Unit #12 Well does not prove any additional acreage other than that previously admitted to the Dakota Participating Area by the Second Expansion for said formation, effective February 1, 1956.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:SHM:pc

cc: Attached List

APPROVED: \_\_\_\_\_

Director, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.

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

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

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

APPROVED: \_\_\_\_\_

*A. H. Carter*  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

Date: Oct 28, 1958

The foregoing approvals are for the Sixth Expanded Participating Area for the Mesaverde Formation, effective March 1, 1958, under the Allison Unit Area, I Sec. No. 752, San Juan County, New Mexico.

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

EXHIBIT "B-6"  
SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
ALLISON UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 04207	T-32-N, R-6-W	200.00					
	Sec. 17: S/2 SW/4, SE/4 NW/4, NE/4 SW/4		Royalty; Working Interest: El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;		12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%	
	Sec. 18: SE/4 SE/4						
	TOTAL				100.00%	100.00%	
	Tract 7						<u>4.60995%</u>
Fee	T-32-N, R-6-W	80.00					
	Sec. 17: SW/4 NW/4, NW/4 SW/4		Royalty; Working Interest: El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;		12.50% 43.75% 43.75% .00%	12.50% 43.75% 43.75% .00%	
	TOTAL				100.00%	100.00%	
	Tract 27						<u>1.84398%</u>
	Fee						
Fee	T-32-N, R-6-W	80.00					
	Sec. 18: SE/4 NE/4, NE/4 SE/4		Royalty; Working Interest: El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;		12.50% 43.75% 43.75% .00%	12.50% 43.75% 43.75% .00%	
	TOTAL				100.00%	100.00%	
	Tract 37						<u>1.84398%</u>
	Fee						
Allison Unit #2 Well	Sec. 17: SW/4, S/2 NW/4	360.00					
	Sec. 18: E/2 SE/4, SE/4 NE/4						
	TOTAL				100.00%	100.00%	
	Tract 7						<u>8.29791%</u>
	Fee						

EXHIBIT "B-6"  
SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION  
ALLISON UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078459-B	T-32-N, R-7-W	578.44					
	<u>Sec. 10: Lot 1,</u> E/2 SE/4		Royalty;		12.50%	12.50%	<u>13.33290%</u>
			Working Interest:				
	Sec. 11: Lots 3,4, N/2 SW/4		El Paso Natural Gas Co.;		41.00%	41.00%	
	Sec. 14: SW/4, SW/4 NW/4		Amerada Petroleum Corp.;		41.00%	41.00%	
	Sec. 15: E/2 E/2		ORRI;		5.50%	5.50%	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
				<u>Tract 1</u>			
			Royalty;		12.50%	12.50%	
			Working Interest:				
Fee	T-32-N, R-7-W	200.00					
	<u>Sec. 11: S/2 SW/4</u>		Royalty;		12.50%	12.50%	<u>4.60995%</u>
			Working Interest:				
	Sec. 14: N/2 NW/4, SE/4 NW/4		El Paso Natural Gas Co.;		43.75%	43.75%	
			Amerada Petroleum Corp.;		43.75%	43.75%	
Allison Unit #3 and #4 Wells			ORRI;		.00%	.00%	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	
	Sec. 10: Lot 1 E/2 SE/4	<u>778.44</u>				<u>100.00%</u>	<u>17.94285%</u>
	Sec. 11: Lots 3,4, SW/4						
SF 078459-B	Sec. 14: W/2						
	<u>Sec. 15: E/2 E/2</u>						
	T-32-N, R-7-W	480.00					
	<u>Sec. 15: W/2 E/2,</u> W/2		Royalty;		12.50%	12.50%	<u>11.06388%</u>
			Working Interest:				
			El Paso Natural Gas Co.;		41.00%	41.00%	
			Amerada Petroleum Corp.;		41.00%	41.00%	
			ORRI;		5.50%	5.50%	
			TOTAL		<u>100.00%</u>	<u>100.00%</u>	

**EXHIBIT "B-6"**

Page 3

**Effective March 1, 1958**

EXHIBIT "B-6"  
SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
ALLISON UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 081155	T-32-N, R-6-W 120.00						
	Sec. 19: E/2 SE/4, SW/4 SE/4						
			Tract 4				
	Royalty;	12.50%		12.50%		2.76597%	
	Working Interest;						
	El Paso Natural Gas Co.;	41.50%		41.50%			
	Amerada Petroleum Corp.;	41.50%		41.50%			
	ORRI;	4.50%		4.50%			
	TOTAL	100.00%		100.00%			
	Fee	T-32-N, R-6-W 120.00					
Sec. 19: NW/4 SE/4, W/2 NE/4							
		Tract 41					
Royalty;		12.50%		12.50%		2.76597%	
Working Interest;							
El Paso Natural Gas Co.;		43.75%		43.75%			
Amerada Petroleum Corp.;		43.75%		43.75%			
ORRI;		0.00%		0.00%			
TOTAL		100.00%		100.00%			
Fee		T-32-N, R-6-W 80.00					
	Sec. 19: E/2 NE/4						
			Tract 41				
	Royalty;	12.50000%		12.50000%		1.84398%	
	Working Interest;						
	El Paso Natural Gas Co.;	38.28125%		38.28125%			
	Amerada Petroleum Corp.;	38.28125%		38.28125%			
	ORRI;	10.93750%		10.93750%			
	TOTAL	100.00000%		100.00000%			
	Fee	T-32-N, R-6-W 320.00					
Sec. 20: W/2							
		Tract 40					
Royalty;		12.50%		12.50%		7.37592%	
Working Interest;							
El Paso Natural Gas Co.;		43.75%		43.75%			
Amerada Petroleum Corp.;		43.75%		43.75%			
ORRI;		.00%		.00%			
TOTAL		100.00%		100.00%			



EXHIBIT "B-6"  
SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVEERDE FORMATION  
ALLISON UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT PARTICIPATION	ACTUAL
Fee (Unleased)	T-32-N, R-6-W Sec. 20: E/2	320.00		Tract 39				.00000%
	Royalty; Working Interest; ORRI;				.00% .00% .00%	.00% .00% .00%		
	TOTAL							
Allison Unit #10 Well	Sec. 19: E/2 Sec. 20: All	960.00		Tract 1				14.75184%
	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;				12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%		3.68797%
	TOTAL				100.00%	100.00%		
SF 078459-B	T-32-N, R-7-W Sec. 14: SE/4	160.00		Tract 2				3.68797%
	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;				12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%		3.68797%
	TOTAL				100.00%	100.00%		
SF 078483-A	T-32-N, R-7-W Sec. 23: NE/4	160.00		Tract 2				3.68797%
	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;				12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%		3.68797%
	TOTAL				100.00%	100.00%		
NM 04206	T-32-N, R-7-W Sec. 23: NW/4	160.00		Tract 6				3.68797%
	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;				12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%		3.68797%
	TOTAL				100.00%	100.00%		
Allison Unit #11-X Well	Sec. 14: SE/4 Sec. 23: N/2	480.00						11.06391%
	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;				12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%		11.06391%
	TOTAL				100.00%	100.00%		

Effective March 1, 1958

EXHIBIT "B-6"  
SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVEDE FORMATION  
ALLISON UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT PARTICIPATION	ACTUAL PARTICIPATION
<u>Tract 1</u>								
SF 078459-B	T-32-N, R-7-W Sec. 14: SW/4 NE/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;	12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%			.92199%
	TOTAL			100.00%	100.00%			
<u>Tract 2</u>								
SF 078483-A	T-32-N, R-7-W Sec. 11: E/2 SE/4 Sec. 14: E/2 NE/4 Sec. 13: W/2 NW/4	240.00	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;	12.50% 41.00% 41.00% 5.50%	12.50% 41.00% 41.00% 5.50%			5.53194%
	TOTAL			100.00%	100.00%			
<u>Tract 31</u>								
Martin et al Fee	T-32-N, R-7-W Sec. 13: SW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;	12.50% 43.75% 43.75% .00%	12.50% 43.75% 43.75% .00%			3.68797%
	TOTAL			100.00%	100.00%			
<u>Tract 31</u>								
Martin et al Fee	T-32-N, R-7-W Sec. 13: E/2 NW/4	80.00	Royalty; Working Interest; El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;	12.50% 43.75% 43.75% .00%	10.83375% 43.75000% 43.75000% .00000%			1.84398%
	TOTAL			100.00%	98.33375%			

EXHIBIT "B-6"  
SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
ALLISON UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
Mackey Fee	T-32-N, R-7-W	120.00		Tract 44			
	Sec. 11: W/2 SE/4		Royalty;		12.50%	12.50%	2.76597%
	Sec. 14: NW/4 NE/4		Working Interest;				
			El Paso Natural Gas Co.;		43.75%	43.75%	
			Amerada Petroleum Corp.;		43.75%	43.75%	
			ORRI;		.00%	.00%	
			TOTAL		100.00%	100.00%	
Allison Unit #12 Well	Sec. 11: SE/4 Sec. 14: NE/4 Sec. 13: W/2	640.00				100.00%	14.75185%

EXHIBIT "B-6"  
SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVERT DE FORMATION  
ALLISON UNIT AREA

RECAPITULATION

Description of Lands in Participating Area:

Township 32 North, Range 6 West, N.M.P.M.

Section 17: SW/4, S/2 NW/4, E/2

Section 18: E/2 SE/4, SE/4 NE/4

Section 16: W/2

Section 19: E/2

Section 20: All

Township 32 North, Range 7 West, N.M.P.M.

Section 10: Lot 1, E/2 SE/4

Section 11: Lots 3, 4, SW/4, SE/4

Section 13: W/2

Section 14: All

Section 15: All

Section 16: E/2

Section 23: N/2

Total Number of Acres in Participating Area:

Total Number of Acres Committed to Participating Area:

Percent of Working Interest Committed:

Percent of Basic Royalty Interest Committed:

Percent of O.R.R.I. Committed:

4658.44

4338.44

92.6233287%

99.9969242%

100.0000000%

Effective March 1, 1958

# El Paso Natural Gas Company

El Paso, Texas

June 26, 1958

AIR MAIL

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit  
Tracts No. 23 and No. 30

Gentlemen:

Enclosed please find one (1) copy of instrument entitled Designation of Lands Committed to Unit Plan of Development concerning the Young Fee Lease, executed by Amerada Petroleum Corporation and consented to by El Paso Natural Gas Company as Unit Operator.

This instrument is intended to commit the royalty interest under these tracts to the Unit Agreement by the authority contained in the lease and set forth in the instrument herein.

Please process this Designation so as to effectively commit the royalty interest to the Allison Unit.

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:jr  
Enclosure

Allison Unit 5.0

*file*  
*Case 224*

DESIGNATION OF LANDS COMMITTED TO  
UNIT PLAN OF DEVELOPMENT

Amerada Petroleum Corporation, is the present owner of the following described leases:

1. Lease dated July 20, 1948, wherein A. D. Young, Bernice B. Young, Vernon V. Young and Vera M. Young are lessors and J. D. Long is lessee, recorded in Book 275, at Page 160-161 of the records of La Plata County, Colorado, covering the following described lands located in said County:

Township 32 North, Range 6 West  
Sec. 22: Lot 4

2. Lease dated July 20, 1948, wherein A. D. Young, Bernice B. Young, Vernon V. Young and Vera M. Young are lessors and J. D. Long is lessee, recorded in Book 135 at Page 29 of the records of San Juan County, New Mexico, covering the following described lands located in said County:

Township 32 North, Range 6 West  
Sec. 7: Lots 1, 2, 3, 4, and 5  
SE $\frac{1}{4}$ NW $\frac{1}{4}$   
S $\frac{1}{2}$ NE $\frac{1}{4}$   
Sec. 8: Lots 3 and 4  
S $\frac{1}{2}$ NW $\frac{1}{4}$   
NE $\frac{1}{4}$ SW $\frac{1}{4}$   
NW $\frac{1}{4}$ SE $\frac{1}{4}$

Township 32 North, Range 7 West  
Sec. 12: Lots 1, 2 and 3  
SE $\frac{1}{4}$   
E $\frac{1}{2}$ SW $\frac{1}{4}$

both of which leases provide in part as follows:

Lessor agrees that lessee or its assigns may include said land or any part thereof in any unit plan of development or operations which is approved by the Secretary of the Interior or to which the lessee may voluntarily subscribe, and lessor agrees to execute any such unit plan in order to make it effective as to the interests covered by this lease.

All of the lands above described are located within the Allison Unit Area which contains lands owned by the United States and Indian lands, and said Allison Unit has been approved by the Secretary of the Interior.

By virtue of the authority contained in said leases to include lands covered thereby in any unit plan of development or operations which is approved by the Secretary of the Interior or to which the lessee may

voluntarily subscribe, Amerada Petroleum Corporation has included and does hereby include said lands in said Allison Unit and hereby commits said lands to the unit plan of development therein set forth.

DATED this 20th day of June, 1958.

AMERADA PETROLEUM CORPORATION

By E. H. McCollough  
President

*[Handwritten initials]*

ATTEST:

*[Signature]*  
Assistant Secretary

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By Fred J. Wagner  
Vice President

UNIT OPERATOR

*[Handwritten initials]*

STATE OF OKLAHOMA )  
COUNTY OF TULSA ) SS

On this 23<sup>rd</sup> day of June, 1958, before me appeared E. H. McCOLLOUGH, to me personally known, who, being by me duly sworn, did say that he is the President of AMERADA PETROLEUM CORPORATION, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said E. H. McCOLLOUGH acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal the day and year first above written.

My commission expires:

*[Signature]*  
Notary Public

MARY DIXON, NOTARY PUBLIC  
IN AND FOR STATE OF OKLAHOMA  
MY COMMISSION EXPIRES AUGUST 12, 1960



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
P. O. Box 6721  
Roswell, New Mexico

June 19, 1958

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development dated May 16, 1958, for the Allison Unit Area, New Mexico, for the calendar year 1958, which provides for the drilling of two dual Dakota-Masaverde wells, has been approved on this date, subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

701g. Sec 1 JAMES A. KNAUF

JAMES A. KNAUF  
Acting Oil and Gas Supervisor

Enclosure

Copy to: Washington (w/cy of plan)  
Farmington (w/cy of plan)  
Comm. of Public Lands, Santa Fe  
Oil Cons. Comm., Santa Fe ✓

RFEvans:mm



OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

*File*

June 16, 1958

*Case 224*

C  
O  
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Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1958 Drilling Program  
Allison Unit, San Juan  
County, New Mexico, La  
Plata and Archuleta Counties,  
Colorado.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1958 Drilling Program for the Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado, 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 Plan is returned herewith.

Very truly yours,

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

RLS/ga

cc United States Geological Survey-Roswell, New Mexico  
Commissioner of Public Lands-Santa Fe, New Mexico

# *El Paso Natural Gas Company*

*El Paso, Texas*

May 16, 1958

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
1958 DRILLING PROGRAM

Gentlemen:

By letter dated December 31, 1956, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned Unit for the calendar year 1957. Said Program provided for the drilling of three (3) dual Dakota-Mesaverde wells. Two (2) wells have been completed upon lands committed to the Unit, and have been admitted or are in the process of being admitted to their respective Participating Areas. One (1) of the wells scheduled for 1957 has been carried over to 1958, due to drilling difficulties encountered requiring a total of 222 days to complete the two (2) wells drilled last year, and is now being drilled.

As of this date, the total number of wells in the Allison Unit is as follows:

Mesaverde	6
Dakota	3
Dual Mesaverde-Dakota	3
Plugged and Abandoned	1

Pursuant to Section 9 of the Allison Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is herewith submitting this Drilling Program providing for the drilling of the following described wells during the period from January 1, 1958 to December 31, 1958:

Drilling Block

Formation

All, Section 15, T-32-N, R-7-W, N.M.P.M.

Dual, Dakota-Mesaverde

All, Section 24, T-32-N, R-7-W, N.M.P.M.

Dual, Dakota-Mesaverde

El Paso Natural Gas Company, as Unit Operator, intends to drill the above listed Dakota-Mesaverde dual wells to the base of the Dakota Formation using rotary tools. Surface casing of 13 3/8" will be set to the depth of approximately 150' and an intermediate string of 9 5/8" will be run through the Pictured Cliffs Formation to a depth of approximately 3200'; and then Operator will run a production string of either 5 1/2" or 7" casing to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. A production packer will be run on 2" tubing thus enabling the Dakota to produce through the tubing and the Mesaverde to produce through the casing.

Unit Operator considers that the proposed program constitutes reasonable development of the Allison Unit Area.

In view of the comparatively low level of gas sales and the excessively high cost of completion of the Allison Unit #12 Well at more than \$275,000.00 and the Allison Unit #11-X Well at \$250,000.00, unit members are insistent that development at this time be limited to the two (2) wells described above.

Upon completion of these two (2) wells Unit Operator will contact the working interest owners and attempt to supplement this proposed plan with additional development in Section 24, Township 32 North, Range 7 West, La Plata, County, Colorado.

El Paso Natural Gas Company, as Unit Operator, will protect the Unit from drainage and will comply with any drilling requirements created under the terms of the Unit Agreement calling for additional drilling.

All of the working interest owners have been notified, and this Drilling Program reflects, insofar as possible, their requests for additional drilling.

If this Drilling Program is acceptable, please signify your approval, as required under Section 9 of the Unit Agreement, in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Sam Smith

Manager

Land Department

SS:SHM:jb

cc: Attached list

APPROVED: \_\_\_\_\_

Director, United States Geological Survey  
Subject to like approval by the appropriate  
State officials.


DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
Subject to like approval by the United States  
Geological Survey and the Oil Conservation  
Commission.

DATE: \_\_\_\_\_

APPROVED: \_\_\_\_\_

  
Oil Conservation Commission  
Subject to like approval by the United States  
Geological Survey and the Commissioner of  
Public Lands.

DATE: June 16, 1958

The foregoing approvals are for the 1958 Drilling Program for the Allison Unit, San Juan County, New Mexico, and La Plata and Archuleta Counties, Colorado.

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

In reply refer to:  
Unit Division

June 6, 1958

El Paso Natural Gas Company  
El Paso, Texas

Re: Allison Unit  
1958 Drilling Program

ATTENTION: Mr. Sam Smith

Gentlemen:

We are enclosing one copy of the 1958 Drilling Program for the Allison Unit. This was approved by the Commissioner of Public Lands June 6, 1958, subject to like approval by the Director of the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

MURRAY E. MORGAN,  
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/s

CC: USGS - Roswell  
OCC - Santa Fe

# El Paso Natural Gas Company

El Paso, Texas

May 22, 1958

El Paso  
224

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
**FIFTH EXPANDED PARTICIPATING AREA**  
Mesaverde Formation  
Effective October 1, 1957

Gentlemen:

The Fifth Expanded Mesaverde Formation, effective October 1, 1957, for the captioned unit has been approved by the state and federal regulatory bodies as follows:

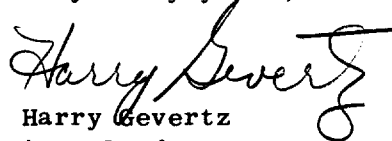
Oil Conservation Commission of the State of New Mexico  
On March 31, 1958.

Commissioner of Public Lands of the State of New Mexico  
On April 3, 1958.

United States Geological Survey on May 12, 1958.

Copies of this letter are being sent to the working interest owners as shown on the attached sheet.

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:SHM:cl

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. J. Glenn Turner  
Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas



*El Paso Natural Gas Company*

*El Paso, Texas*

May 22, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
**THIRD EXPANDED PARTICIPATING AREA**  
Dakota Formation  
Effective September 1, 1957

Gentlemen:

The Third Expanded Dakota Participating Area, effective September 1, 1957, for the captioned unit has been approved by the state and federal regulatory bodies as follows:

Oil Conservation Commission of the State of New Mexico  
On March 31, 1958.

Commissioner of Public Lands of the State of New Mexico  
On April 1, 1958.

United States Geological Survey on May 12, 1958.

Copies of this letter are being sent to the working interest owners as shown on the attached sheet.

Very truly yours,

*Harry Severtz*  
Harry Severtz  
Area Landman  
Land Department

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. J. Glenn Turner  
Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

247

April 28, 1958

El Paso Natural Gas Company  
Box 1492  
El Paso, Texas

Attention: Mr. T. W. Bittick

Re: Sixth Expanded Mesaverde  
Participating Area, Allison  
Unit San Juan County, New  
Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Sixth Expanded Mesaverde Participating area, dated March 11, 1958, for the Allison Unit area, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

Six approved copies of the application were handed to Mr. M. W. Coll.

Very truly yours,

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

RLS/og

cc: Commissioner of Public Lands, Santa Fe, New Mexico  
U. S. Geological Survey, Roswell

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P  
Y

# El Paso Natural Gas Company

*El Paso, Texas*

March 11, 1958

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
SIXTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective March 1, 1958

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company as Unit Operator, submits for your approval the Sixth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 7 West  
Section 11: SE/4  
Section 14: NE/4  
Containing 320.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #12 Well, a dual completion well located 1825' from the North line and 1550' from the East line of Section 14, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 7, 1957, and completed on January 1, 1958, at a total depth of 8320'. The Mesaverde Formation between 5796' - 5812', 5822' - 5832', 5842' - 5850', 5860' - 5870' was treated with a sand-water fracturing process. After being shut-in for nineteen (19) days, the well was tested on February 4, 1958 in the Mesaverde Formation and following a three hour blow-down period gauged 6853 MCFGPD through a 3/4" choke and 7490 MCFGPD by the calculated absolute open-flow method with an SIPC of 1563#.

Attached is Exhibit "B-6" showing the Sixth Expanded Participating Area for the Mesaverde Formation of the Allison Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule.", this Sixth Expanded Mesaverde Participating Area will be effective March 1, 1958. If this Sixth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #12 Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations. It has been determined that the commercial completion of the Allison Unit #12 Well does not prove any additional acreage other than that previously admitted to the Dakota Participating Area by the Second Expansion for said formation, effective February 1, 1956.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick  
Assistant Manager  
Land Department

TWB:SHM:pc

cc: Attached List

APPROVED: \_\_\_\_\_ Date: \_\_\_\_\_  
Director, United States Geological Survey  
Subject to like approval by the appropriate State officials.

APPROVED: \_\_\_\_\_ Date: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United States Geological  
Survey and the Oil Conservation Commission.

APPROVED: *A. L. Carter* Date: 4-28-58  
Oil Conservation Commission  
Subject to like approval by the United States Geological  
Survey and the Commissioner of Public Lands.

The foregoing approvals are for the Sixth Expanded Participating Area for the Mesaverde Formation, effective March 1, 1958, under the Allison Unit Area, I Sec. No. 752, San Juan County, New Mexico.

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. J. Glenn Turner  
Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

In reply refer to:  
Unit Division

April 3, 1958

*Copy 224*

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit Area, San Juan  
County, New Mexico  
Fifth Expanded Participating Area,  
Mesaverde Formation

Attention: Mr. Harry Gevertz

Gentlemen:

We are enclosing five copies of the above designated Participating Area for the Allison Unit.

This was handed to us by the Oil Conservation Commission March 31, 1958 and approved by the Commissioner of Public Lands April 3, 1958.

Very truly yours,

MURRAY E. MORGAN,  
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/s

CC: Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico



In reply refer to:  
Unit Division

April 3, 1958

*case 224*

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit Area,  
San Juan County, New Mexico  
THIRD EXPANDED PARTICIPATING AREA  
Dakota Formation

Attention: Mr. Harry Gevertz

Gentlemen:

Please find enclosed five copies of the Third Expanded Participating Area, Dakota Formation, for the Allison Unit area.

These were approved by the Commissioner of Public Lands  
April 1, 1958.

Very truly yours,

MURRAY E. MORGAN,  
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor  
Oil and Gas Division

MEM/MMR/s

cc: Oil Conservation Commission  
P. O. Box 871  
Santa Fe, New Mexico

*copy*  
*227*

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

March 31, 1958

**C**  
**O**  
**P**  
**Y**

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Harry Gevertz

Re: Allison Unit Area, San Juan County,  
New Mexico, Third Expanded  
Participating Area, Dakota Formation.

Gentlemen:

We are today handing to the Commissioner of Public Lands of the State of New Mexico, seven approved copies of the Third Expanded Participating Area, Dakota Formation, for the Allison Unit Area dated January 16, 1958. This is approved by the New Mexico Oil Conservation Commission as of this date.

Very truly yours,

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

ALP/RLS/ga

*File*  
*NO*  
*224*

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

March 31, 1958

C  
O  
P  
Y

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. Harry Gevertz

Re: Allison Unit Area, San Juan County,  
New Mexico, Fifth Expanded  
Participating Area, Mesaverde Formation.

Gentlemen:

We are today handing to the Commissioner of Public Lands of the State of New Mexico, seven approved copies of the Fifth Expanded Participating Area, Mesaverde Formation, for the Allison Unit Area dated January 16, 1958. This is approved by the New Mexico Oil Conservation Commission as of this date.

Very truly yours,

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

ALP/RLS/ga

# *El Paso Natural Gas Company*

*El Paso, Texas*

January 16, 1958

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit Area  
I. Sec. No. 752  
FIFTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective October 1, 1957

Gentlemen:

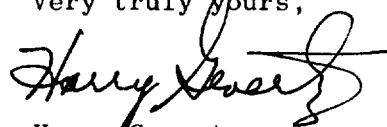
Enclosed herewith please find eight (8) copies of a request for approval of the Fifth Expanded Participating Area for the Mesaverde Formation of the Allison Unit Area.

The Commissioner of Public Lands of the State of New Mexico requires two (2) approved copies and the United States Geological Survey requires four (4) approved copies.

Upon your approval of this expansion, we request that you execute each copy in the space provided and forward seven (7) approved copies to the Commissioner of Public Lands of the State of New Mexico. We have also enclosed a letter which we ask that you forward to the Commissioner with the expansion.

Thanking you in advance for your cooperation in this matter, we remain

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:SHM:cl  
Enclosures

# El Paso Natural Gas Company

El Paso, Texas

January 16, 1958

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit Area  
I. Sec. No. 752  
THIRD EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective September 1, 1957

Gentlemen:

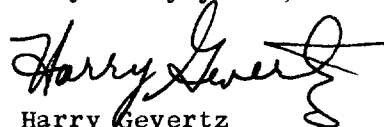
Enclosed herewith please find eight (8) copies of a request for approval of the Third Expanded Participating Area for the Dakota Formation of the Allison Unit Area.

The Commissioner of Public Lands of the State of New Mexico requires two (2) approved copies and the United States Geological Survey requires four (4) approved copies.

Upon your approval of this expansion, we request that you execute each copy in the space provided and forward seven (7) approved copies to the Commissioner of Public Lands of the State of New Mexico. We have also enclosed a letter which we ask that you forward to the Commissioner with the expansion.

Thanking you in advance for your cooperation in this matter, we remain

Very truly yours,



Harry Gevertz  
Area Landman  
Land Department

HG:SHM:cl  
Enclosures

# El Paso Natural Gas Company

El Paso, Texas

December 30, 1957

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I. Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
**FIFTH EXPANDED PARTICIPATING AREA**  
Mesaverde Formation  
Effective October 1, 1957

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company as Unit Operator, submits for your approval the Fifth Expanded Participating Area for the Mesaverde Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Mesaverde Participating Area, the following selection of lands estimated to be productive in paying quantities from the Mesaverde Formation:

Township 32 North, Range 7 West  
Section 14: SE/4  
Section 23: N/2  
Containing 480.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #11-X Well, a dual completion well located 917' from the North line and 1086' from the East line of Section 23, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 4, 1957, and completed on August 21, 1957, at a total depth of 8503'. The Mesaverde Formation between 6010' - 6040' and 6048' - 6068' was treated with a sand-water fracturing process. After being shut-in for fourteen (14) days, the well was tested on September 5, 1957 in the Mesaverde Formation, and following a three hour blow-down period gauged 4661 MCFGPD through a 3/4" choke and 5074 MCFGPD by the calculated absolute open-flow method with an SIPC of 1124#.

Attached is Exhibit "B-5" showing the Fifth Expanded Participating Area for the Mesaverde Formation of the Allison Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule.", this Fifth Expanded Mesaverde Participating Area will be effective October 1, 1957. If this Fifth Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.


The Allison Unit #11-X Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations. The expansion of the Dakota Formation as a consequence of the completion of the said well being the Third Expanded Participating Area, effective September 1, 1957, is being submitted under separate cover.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By:


  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:SHM:c1

cc: Attached list

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
Subject to like approval by the appropriate State officials.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United States Geological Survey and the Oil  
Conservation Commission.

APPROVED:  \_\_\_\_\_ DATE: March 31, 1958  
Oil Conservation Commission  
Subject to like approval by the United States Geological Survey and the  
Commissioner of Public Lands.

The foregoing approvals are for the Fifth Expanded Participating Area for the Mesaverde  
Formation, effective October 1, 1957, under the Allison Unit Area, I Sec. No. 752, San  
Juan County, New Mexico.



Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. J. Glenn Turner  
Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

# El Paso Natural Gas Company

El Paso, Texas

December 30, 1957

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

Commissioner of Public Lands  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
Of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
**THIRD EXPANDED PARTICIPATING AREA**  
Dakota Formation  
Effective September 1, 1957

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company as Unit Operator submits for your approval the Third Expanded Participating Area for the Dakota Formation, Allison Unit, San Juan County, New Mexico, which includes in addition to the lands previously admitted to the Dakota Participating Area, the following selection of lands estimated to be productive in paying quantities from the Dakota Formation:

Township 32 North, Range 7 West  
Section 14: S/2  
Section 23: N/2  
Containing 640.00 acres, more or less

The lands described above are proven to be productive by the following:

The Allison Unit #11-X Well, a dual completion well located 917' from the North line and 1086' from the East line of Section 23, Township 32 North, Range 7 West, San Juan County, New Mexico, was spudded on June 4, 1957 and completed on August 21, 1957, at a total depth of 8503'. The Dakota Formation between 8291' - 8316' and 8338' - 8364' was treated with a sand-water fracturing process. After being shut-in for seven (7) days the well was tested on August 29, 1957 in the Dakota Formation, and following a three hour blow-down period gauged 4678 MCFGPD through a 3/4" choke and 5003 MCFGPD by the calculated absolute open flow method with an SIPT of 2888#.

Attached is Exhibit "B-3" showing the Third Expanded Participating Area for the Dakota Formation of the Allison Unit Area. This describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the exact breakdown of percentage allocated to each tract according to the various ownership in said tract. Inasmuch as Section 10 of the Unit Agreement provides that, "The effective date of any revision shall be the first of the month following the date of first authentic knowledge or information on which such revision is predicated, unless a more appropriate effective date is specified in the schedule.", this Third Expanded Dakota Participating Area will be effective September 1, 1957. If this Third Expanded Participating Area meets with your approval, please indicate such approval in the space provided on the attached page and return an approved copy for our files.

The Allison Unit #11-X Well is a dual completion well, having been completed in both the Dakota and Mesaverde Formations. The expansion of the Mesaverde Formation as a consequence of the completion of said well being the Fifth Expanded Participating Area effective October 1, 1957, is being submitted under separate cover.

Copies of this letter and Exhibit are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

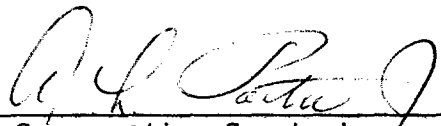
By: T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:SHM:c1

cc: Attached list

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
Subject to like approval by the appropriate State officials.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the United States Geological Survey and the Oil  
Conservation Commission.

APPROVED:  \_\_\_\_\_ DATE: 3-31-58  
Oil Conservation Commission  
Subject to like approval by the United States Geological Survey and the  
Commissioner of Public Lands.

The foregoing approvals are for the Third Expanded Participating Area for the Dakota  
Formation, effective September 1, 1957, under the Allison Unit Area, I Sec. No. 752,  
San Juan County, New Mexico.

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. E. V. Hewitt (12)  
Pan American Petroleum Corporation  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Corporation  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. J. Glenn Turner  
Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

# El Paso Natural Gas Company

El Paso, Texas

March 27, 1957

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

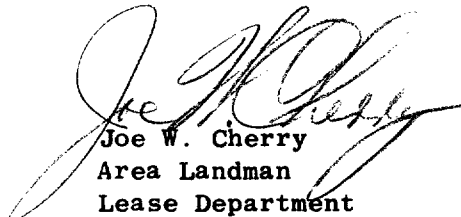
Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
NOTICE OF APPROVAL OF 1957  
DRILLING PROGRAM

Gentlemen:

This is to advise that the Drilling Program for 1957 for the Allison Unit has been approved by the Federal and State Regulatory Bodies as follows:

1. Approved by the Commissioner of Public Lands of the State of New Mexico on February 18, 1957.
2. Approved by the United States Geological Survey on March 8, 1957.
3. Approved by the Oil Conservation Commission of the State of New Mexico on March 1, 1957.

Very truly yours,

  
Joe W. Cherry  
Area Landman  
Lease Department

JWC:GBL:cr  
cc: Attached List



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

IN REPLY REFER TO:

P. O. Box 6721  
Roswell, New Mexico

March 8, 1957

El Paso Natural Gas Company  
P. O. Box 1192  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Gentlemen:

Your plan of development dated December 31, 1956, for the Allison Unit Area, New Mexico and Colorado, for the calendar year 1957, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is returned herewith.

Very truly yours,

(Orig. Sgd.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Wash., (w/copy of plan)  
Farmington (w/copy of plan)  
Comm. of Public Lands, Santa Fe (Letter only)  
✓ N.M. O.C.C. - Santa Fe (Letter only)

224

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 1, 1957

*file*

El Paso Natural Gas Company  
Box 1492  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Re: Allison Unit Area  
San Juan County, New Mexico  
and La Plata and Archuleta  
Counties, Colorado; 1957  
Plan of Development

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1957 Plan of Development for the Allison Unit Area, dated December 31, 1956, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

Approval of this Plan shall not be construed to represent an approval or disapproval of any plans the Unit Operator may have for the development of that portion of the Allison Unit lying within the State of Colorado.

Inasmuch as only one copy of the Plan was received, no approved copy is being returned.

Very truly yours,

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

ALP/DSN/ir

bcc: U. S. G. S. - Roswell, New Mexico  
Commissioner of Public Lands - Santa Fe, N.M.

C  
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# El Paso Natural Gas Company

El Paso, Texas

December 31, 1956

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

The Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

The Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. #752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
REQUEST FOR APPROVAL OF  
PLAN OF DEVELOPMENT FOR  
THE CALENDAR YEAR 1957

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Gentlemen:

On November 28, 1955, a Plan of Development for the calendar year 1956 was set forth by this company, and subsequently approved by you, providing for the drilling of the following wells:

1. Allison Unit #10 Well, located in the NW/4, Section 20 Township 32 North, Range 6 West, to be completed in the Dakota formation;
2. Allison Unit #11 Well, located in the E/2, Section 23, Township 32 North, Range 7 West, to be completed in the Mesaverde formation.

After obtaining the consent, it was determined to dually complete the above listed wells in both the Mesaverde and the Dakota formations.

The Allison Unit #10 Well accordingly was completed on March 21, 1956, in both the Mesaverde and Dakota Formations at a total depth of 8042'. The well was tested on April 5, 1956, and gauged 6551 MCFGPD in the Mesaverde formation, and 368 MCFGPD in the Dakota formation. The Mesaverde portion of the well was determined to be commercial and the drilling block upon which the well is located was admitted to the Participating Area for the Mesaverde formation of the Unit effective May 1, 1956. Production from the Dakota formation was not in sufficient quantity for the well to be considered commercial from the Dakota formation, and notice to that effect was sent to the appropriate Federal and State officials and to all Working Interest Owners on October 8, 1956.

The Allison Unit #11 well reached a total depth of 6876', but was plugged and abandoned on December 5, 1956, after encountering insurmountable drilling difficulties.

Up to December 1, 1956 seven (7) commercial wells in the Mesaverde formation and three (3) commercial wells in the Dakota Formation have been tied into our gathering system. There was a total of 263,904 MCF of gas produced from the Mesaverde wells from January 1 through November 30, 1956, and a total of 490,204 MCF of gas produced from the Dakota wells for the same period. The value from gas production in the Mesaverde formation for the 11 month period was \$29,029.44 and for the Dakota formation was \$53,922.44.

The El Paso Natural Gas Company, as Unit Operator, plans to drill in this Unit during the calendar year 1957 the following wells:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
NE/4 Section 14, T-32-N, R-7-W	Dual, Dakota & Mesaverde
SW/4 Section 12, T-32-N, R-7-W	Dual, Dakota & Mesaverde
NE/4 Section 23, T-32-N, R-7-W	Dual, Dakota & Mesaverde


El Paso Natural Gas Company, as Unit Operator, intends to drill the above mentioned dual-completion wells to the base of the Dakota formation using rotary tools. Surface casing of 13-3/8" will be set to the depth of approximately 150' and an intermediate string of 9-5/8" will be run through the Pictured Cliffs formation to a depth of approximately 3,200', and then the Operator will run a production string of either 5-1/2" or 7" casing to the base of the Dakota formation. The casing in the Dakota formation will then be perforated and the Dakota formation subjected to a hydraulic fracturing process. A bridging plug will be used to separate the Mesaverde from the Dakota formation and the Mesaverde formation will be selectively perforated and subjected to a hydraulic fracturing process. A production packer will be run on 2" tubing with the Dakota producing through the tubing and the Mesaverde producing through the casing. Due care will be taken to protect all horizons.

All working interest owners in this Unit have been contacted, and this drilling program, insofar as is practicable, incorporates their requests.

Approval of this drilling program, which will constitute all of our drilling obligations in this Unit for the calendar year 1957, is hereby respectfully requested.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
R. L. Hamblin  
Manager  
Lease Department

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State Officials.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and the Oil Conservation Commission.

APPROVED: *W. H. Miller* DATE: 3-1-57  
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and the Commissioner of Public Lands.

Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. C. F. Bedford (3)  
Pan American Petroleum Company  
Post Office Box 1410  
Fort Worth, Texas

Pan American Petroleum Company  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas

Mr. J. Glenn Turner  
Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

724

February 18, 1957

In reply refer to:  
Unit Division

El Paso Natural Gas Co.  
P. O. Box 1492  
El Paso, Texas

Re: Allison Unit -  
Request for Approval of  
Plan of Development for the  
Calendar Year 1957

Attention: Mr. R. L. Hamblin, Manager  
Lease Department

Gentlemen:

We are enclosing one copy of your Plan of Development for 1957 on the Allison Unit, which was approved by the Commissioner of Public Lands on February 18, 1957.

Very truly yours,

MURRAY E. MORGAN  
Commissioner of Public Lands

By: Ted Bilberry, Supervisor  
Oil and Gas Department

MEM:MNR/m  
enc: 1

cc: OCC-Santa Fe  
USGS-Roswell

OIL CONSERVATION COMMISSION  
P. O. BOX 871  
SANTA FE, NEW MEXICO

February 8, 1957

C  
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Y  
  
El Paso Natural Gas Company  
El Paso, Texas

Attention: Mr. Samuel Smith

Re: Allison Unit Area  
San Juan County, New  
Mexico and La Plata  
and Archuleta Counties,  
Colorado; Allison Unit  
No. 10 Well

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved your determination that the Allison Unit No. 10 Well is incapable of producing unitized substances in paying quantities from the Dakota Formation.

This approval is predicated upon the fact that the subject well, during its completion test, gauged only 368 MCFGPD by the calculated absolute open flow method. The three other Dakota wells in the Allison Unit have, by comparison gauged 4385 MCFGPD, 4518 MCFGPD, and 2326 MCFGPD respectively.

One approved copy of the determination is returned herewith.

Very truly yours,

A. L. PORTER, JR.  
Secretary-Director

ALP:DSN

*File*

# El Paso Natural Gas Company

El Paso, Texas

October 8, 1956

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

*OK  
Ken*

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

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata & Archuleta Counties, Colorado  
Notice of Non-Commercial Well  
Dakota Formation  
(Allison Unit #10 Well)

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company as Unit Operator determined on April 5, 1956, that the following described well was not capable of producing unitized substances in paying quantities from the Dakota Formation:

The Allison Unit #10 Well located 1750' from the North line and 990' from the West line of Section 20, Township 32 North, Range 6 West, N.M.P.M., San Juan County, New Mexico, was spudded on January 20, 1956, and dual completed in both the Mesaverde and Dakota Formations on March 21, 1956, at a total depth of 8042', after been drilled to a depth of 8255'. The Dakota Formation was treated with a sand-water fracturing process on March 9, 1956, between the depths of 7940' - 8042'. After being shut-in for sixteen days, the well was tested on April 5, 1956, and following a three hour blow down period, gauged 368 MCFGPD by the calculated absolute open flow method with an SIPC of 2318# (Dakota) and an SIPT of 1154# (Mesaverde).

(Data for completion in the Mesaverde Formation for this well was disseminated on June 26, 1956, under the heading of "Request for Approval, Fourth Expanded Participating Area, Mesaverde Formation, Allison Unit").


El Paso Natural Gas Company as Unit Operator determined that this well was not capable of producing unitized substances in paying quantities from the Dakota Formation on April 5, 1956.

Pursuant to said Paragraph 10, Unit Operator hereby request of the Oil Conservation Commission of The State of New Mexico, approval of the foregoing determination since the Allison Unit #10 Well is located on patented land.

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By   
Sam Smith  
Assistant Manager  
Lease Department

SS:GBL:cr

APPROVED \_\_\_\_\_

Oil Conservation Commission

Date \_\_\_\_\_



Allison Unit  
Working Interest Owners

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. F. W. Hulsizer  
Amerada Petroleum Corporation  
Post Office Box 2040  
Tulsa 2, Oklahoma

Mr. C. F. Bedford (3)  
Stanolind Oil and Gas Company  
Post Office Box 1410  
Fort Worth, Texas

Stanolind Oil and Gas Company  
Post Office Box 1714  
Albuquerque, New Mexico

Mr. J. C. Gordon  
Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas

Mr. George A. Works, Jr.  
San Jacinto Petroleum Corp.  
San Jacinto Building  
Houston 2, Texas

Mr. J. Glenn Turner  
Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas

Mr. K. P. Moore  
Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas

Mr. H. H. Phillips, Jr.  
Phillips Drilling Corporation  
314 Milam Building  
San Antonio 5, Texas

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

# El Paso Natural Gas Company

El Paso, Texas

December 10, 1956

Director  
United States Geological Survey  
Washington 25, D. C.

*file*

Commissioner of Public Lands of  
State of New Mexico  
Santa Fe, New Mexico

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

Re: Allison Unit I Sec. No. 752  
Second Expanded Participating Area  
for the Dakota Formation  
Effective March 1, 1956

Gentlemen:

Please substitute the enclosed page for the corresponding page in the Exhibit "B-2" previously forwarded to you in connection with the above captioned expansion.

The basic royalty interest for Tract 29 was originally shown as 12.50000%, whereas 16.66666% is the correct figure. Each percentage of working interest under the Tract, as a consequence, should be 41.66667% rather than 43.75000%.

Copies of this letter and the enclosure are being sent to all Working Interest Owners.

Very truly yours,

EL PASO NATURAL GAS COMPANY

*Joe W. Cherry*  
Joe W. Cherry  
Area Landman  
Lease Department

JWC:GBL:nt  
Enclosure

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION  
ALLISON UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	AND	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>Tract 29</u>							
Fee	T-32-N, R-7-W	239.35	Royalty;		16.666666%	16.666666%	8.385777%
	Sec. 13: NE/4		Working Interest;				
	T-32-N, R-6-W		El Paso Natural Gas Co.;		41.666667%	41.666667%	
	Sec. 18: Lot 1,		Amerada Petroleum Corp.;		41.666667%	41.666667%	
	NE/4 NW/4		ORRI;		.000000%	.000000%	
			TOTAL		100.000000%	100.000000%	

Allison Unit #9 Well

<u>Tract 42</u>							
Fee	T-32-N, R-7-W	119.56	Royalty;		12.500000%	12.500000%	4.188866%
	Sec. 13: E/2 SE/4		Working Interest;				
	T-32-N, R-6-W		El Paso Natural Gas Co.;		43.750000%	43.750000%	
	Sec. 18: Lot 4		Amerada Petroleum Corps.;		43.750000%	43.750000%	
			ORRI;		.000000%	.000000%	
			TOTAL		100.000000%	100.000000%	

Allison Unit #9 Well

# *El Paso Natural Gas Company*

*El Paso, Texas*

November 7, 1956

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

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

Re: Allison Unit, I Sec. #752  
San Juan County, New Mexico  
La Plata and Archuleta Counties, Colorado  
**SECOND EXPANDED PARTICIPATING AREA**  
Dakota Formation, and  
**FOURTH EXPANDED PARTICIPATING AREA**  
Mesaverde Formation  
Notice of Approval

---

Gentlemen:

This is to advise that the request for approval of the Second Expanded Participating Area for the Dakota Formation, and for the Fourth Expanded Participating Area for the Mesaverde Formation, of the Allison Unit, I Sec. #752 have been approved as follows:

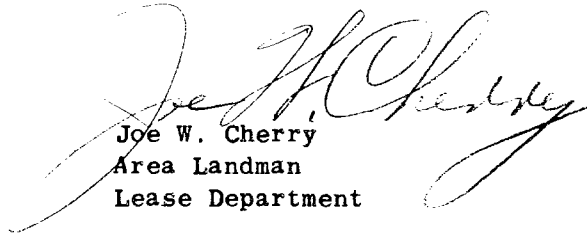
1. Second Expanded Participating Area for the Dakota Formation:
  - a. Approved by the United States Geological Survey on October 9, 1956, effective March 1, 1956.
  - b. Approved by the Commissioner of Public Lands of the State of New Mexico, on July 5, 1956, effective March 1, 1956.
  - c. Approved by the Oil Conservation Commission of the State of New Mexico, on August 6, 1956, effective March 1, 1956.

2. Fourth Expanded Participating Area for the Mesaverde Formation:

- a. Approved by the United States Geological Survey on October 9, 1956, effective May 1, 1956.
- b. Approved by the Commissioner of Public Lands of the State of New Mexico, on July 5, 1956, effective May 1, 1956.
- c. Approved by the Oil Conservation Commission of the State of New Mexico, on August 6, 1956, effective May 1, 1956.

A copy of this letter is being sent to each of the Working Interest Owners shown on the attached sheet.

Very truly yours,



Joe W. Cherry  
Area Landman  
Lease Department

JWC:GBL:cr

cc: Attached Sheet

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 6, 1956

C  
O  
P  
Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Re: Allison Unit  
San Juan County, New Mexico  
and La Plata and Archuleta  
Counties, Colorado. Fourth  
Expanded Mesaverde Participating  
Area.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the above-captioned participating area, dated June 26, 1956, and effective May 1, 1956, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the expansion is returned herewith.

Very truly yours,

A. L. Porter, Jr.  
Secretary-Director

ALP:jh

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 6, 1956

C  
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Y  
  
El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Re: Allison Unit

San Juan County, New Mexico  
and La Plata and Archuleta  
Counties, Colorado. Second  
Expanded Dakota Participating  
Area.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the above-captioned participating area, dated June 26, 1956, and effective March 1, 1956, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the expansion is returned herewith.

Very truly yours,

A. L. Porter, Jr.  
Secretary-Director

ALP:jh

# *El Paso Natural Gas Company*

*El Paso, Texas*

June 26, 1956

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata & Archuleta Counties, Colorado  
REQUEST FOR APPROVAL  
SECOND EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective March 1, 1956

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, hereby submits for your approval the following selection of lands reasonably estimated to be productive in paying quantities to constitute the Second Expanded Participating Area for the Dakota Formation located in San Juan County, New Mexico:

Township 32 North, Range 6 West, N.M.P.M.  
Section 18: W/2

Township 32 North, Range 7 West, N.M.P.M.  
Section 11: E/2, E/2 W/2  
Section 13: All  
Section 14: NE/4, E/2 NW/4

PROVED PRODUCTIVE BY:

Allison Unit #9 Well is located 1765' from the North line and 1500' from the East line of Section 13, Township 32 North, Range 7 West, San Juan County, New Mexico. This well was spudded on November 28, 1955, and completed on January 17, 1956, at a total depth of 8200', plugged back to 7986'. The Dakota Formation between 7857' and 7986' was treated with a water-sand fracturing process on January 14, 1956. After being shut-in for gauge for 22 days, this well was tested on February 9, 1956, and following a three hour blow-down, gauged 4518 MCFGPD using an



Re: Allison Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Amerada Petroleum Corporation  
P. O. Box 2040  
Tulsa 2, Oklahoma  
Attention: Mr. F. W. Hilsizer

Stanolind Oil and Gas Company  
Post Office Box 1410  
Fort Worth, Texas  
Attention: Mr. C. F. Bedford

Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas  
Attention: Mr. J. C. Gordon

San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas  
Attention: Mr. George A. Works, Jr.

Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas  
Attention: Mr. J. Glenn Turner

Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas  
Attention: Mr. K. P. Moore

Phillips Drilling Corporation  
306 Milam Building  
San Antonio, Texas  
Attention: Mr. Morris Elsm

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

*Case 224*  
MAIN OFFICE OCC

1956 JUL 6 AM 8:04

*file*  
July 5, 1956  
*224*

In reply refer to:  
Unit Division

El Paso Natural Gas Co.  
El Paso, Texas

Re: Allison Unit -  
(a) Request for Approval, Second Expanded  
Participating Area, Dakota Formation;  
(b) Request for Approval, Fourth Expanded  
Participating Area, Mesaverde Formation

Attention: Mr. R. L. Hamblin, Manager  
Lease Department

Gentlemen:

I am enclosing one copy of the above designated Request for Approval of the Second Expanded Participating Area, Dakota Formation, and one copy of the Request for Approval of the Fourth Expanded Participating Area, Mesaverde Formation, which were approved by the Commissioner of Public Lands July 5, 1956, subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

MMR/m  
enc: 2

cc: USGS-Roswell  
OCC-Santa Fe

# El Paso Natural Gas Company

El Paso, Texas

June 26, 1956

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico,  
La Plata and Archuleta Counties,  
Colorado - REQUEST FOR APPROVAL  
FOURTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective May 1, 1956

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, hereby submits for your approval the following selection of lands reasonably estimated to be productive of unitized substances in paying quantities to constitute the Fourth Expanded Participating Area for the Mesaverde Formation located in San Juan County, New Mexico:

Township 32 North, Range 6 West, N.M.P.M.  
Section 19: E/2  
Section 20: All  
Containing 960.00 acres, more or less.

## PROVED PRODUCTIVE BY:

The Allison Unit #10 Well, located 1750' from the North line and 990' from the West line of Section 20, Township 32 North, Range 6 West, San Juan County, New Mexico, was spudded on January 20, 1956, and completed on March 21, 1956, at a total depth of 8042'. The Point Lookout section of the Mesaverde formation was treated with a water-sand process from 5730' to 5788' on March 17, 1956, and from 5500' to 5690' on March 18, 1956. After being shut-in for gauge for sixteen (16) days, the well was tested on April 5, 1956, and following a three hour blow-down, using an absolute open flow, gauged an Initial Potential of 6551 MCFGPD with an SIPC of 2318# and an SIPT of 1154#.

El Paso Natural Gas Company, as Unit Operator, determined that this well was capable of producing unitized substances in paying quantities on April 5, 1956.

Attached hereto and made a part of this application is a map marked Exhibit "A" showing thereon the Allison Unit Area and the submitted Fourth Expanded Participating Area for the Mesaverde Formation. Also attached and made a part hereof is a schedule marked Exhibit "B-4" describing the Participating Area and showing the percentage of unitized substances allocated to each tract according to the various ownerships in said tracts.

The applicant respectfully requests the approval of this selection of lands for the Fourth Expanded Participating Area for the Mesaverde Formation to be effective as of May 1, 1956. If this meets with your approval, please indicate such approval in the space provided below and return one (1) approved copy for our files.

Copies of this letter and schedule are being sent to all working interest owners indicated on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By R. L. Hamblin  
R. L. Hamblin  
Manager  
Lease Department

RLH:GBL:rb  
cc: Attached list

APPROVED: \_\_\_\_\_ Date: \_\_\_\_\_  
United States Geological Survey

Subject to like approval by the proper State Authorities.

APPROVED: \_\_\_\_\_ Date: \_\_\_\_\_  
Commissioner of Public Lands of the State of New Mexico

Subject to like approval by the U.S.G.S. and the Oil Conservation Commission.

APPROVED: W. C. Lister Date: 8-6-56  
Oil Conservation Commission of the State of New Mexico

Subject to like approval by the U.S.G.S. and the Commissioner of Public Lands.

Re: Allison Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Amerada Petroleum Corporation  
P. O. Box 2040  
Tulsa 2, Oklahoma  
Attention: Mr. F. W. Hulsizer

Stanolind Oil & Gas Company  
Oil & Gas Building  
P. O. Box 1410  
Fort Worth, Texas  
Attention: Mr. C. F. Bedford

Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas  
Attention: Mr. J. C. Gordon

San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas  
Attention: Mr. George A. Works, Jr.

Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas  
Attention: Mr. J. Glenn Turner

Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas  
Attention: Mr. K. P. Moore

Phillips Drilling Corporation  
306 Milan Building  
San Antonio, Texas  
Attention: Mr. Morris Elam

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 23, 1956

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Re: (Allison Unit)  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado.  
1956 Plan of Development

Gentlemen:

This is to advise that the 1956 Plan of Development for the subject unit area, dated December 28, 1955, has this date been approved by the New Mexico Oil Conservation Commission subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

No part of this approval shall be construed to be either an approval nor a disapproval of any plans for that part of the Allison Unit lying within the State of Colorado.

One approved copy of the plan is returned herewith.

Very truly yours,

W. B. Macey  
Secretary-Director

WBM:jh

cc: U. S. Geological Survey, Roswell  
Commissioner of Public Lands, Santa Fe

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IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 6721  
Roswell, New Mexico

February 21, 1956

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas

Attention: Mr. R. L. Hamblin

Gentlemen:

Your plan of development dated December 28, 1955, for the Allison Unit Area, New Mexico and Colorado, for the calendar year 1956 has been approved on this date subject to the following condition:

Approval is as to the Dakota well only. Upon completion of such well, Unit Operator will consult with this office with the view of expanding the proposed Mesaverde program to determine whether the land between the two areas included in the Mesaverde participating area is productive in paying quantities.

One approved copy of the plan is returned herewith.

Very truly yours,

  
JOHN A. ANDERSON

Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash (w/copy of plan)  
Farmington (w/copy of plan)  
N.M.O.C.C., Santa Fe (letter only),

Unit Division

January 17, 1956

*File*

El Paso Natural Gas Co.  
El Paso, Texas

Re: Allison Unit - Request for  
Approval of Plan of Development  
for Calendar Year 1956

Gentlemen:

We are enclosing one copy of your Plan of Development for Calendar Year 1956 for the Allison Unit.

We would call to your attention the fact that your December 29, 1954, Plan was for the Calendar Year of 1955, rather than the year 1956, as set forth in your Plan of December 28, 1955.

We have approved your 1956 Plan of Development, subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER  
Commissioner of Public Lands

MMR/m  
enc: 1

cc: USGS-Roswell  
OCC-Santa Fe



# El Paso Natural Gas Company

El Paso, Texas

December 28, 1955

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

*Received for Study  
Return to  
J. H. H.*

Re: Allison Unit, I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta Counties,  
Colorado  
REQUEST FOR APPROVAL OF PLAN OF  
DEVELOPMENT FOR CALENDAR YEAR 1956

Gentlemen:

On December 29, 1954, a Plan of Development for the calendar year 1956 was set forth by this company, and subsequently approved by you, providing for the drilling of the following wells:

1. Well #8 located in the NE/4 of Section 15, Township 32 North, Range 7 West, to be drilled in the Mesa-verde formation;
2. Well #9 located in the NE/4 of Section 13, Township 32 North, Range 7 West, to be drilled in the Dakota formation.

Allison Unit Well #8 was completed on May 11, 1955 at a total depth of 6010' with an initial potential of 1836 mcf/d. Allison Unit Well #9 is being drilled at this time.

Up to November 1, 1955, six (6) commercial wells in the Mesaverde formation had been tied-in to our system and two (2) commercial wells in the Dakota formation had been tied-in. There was a total of 185,987 mcf of gas produced from the six (6) Mesa-verde wells from January 1 to October 31, 1955 and a total of 501,068 mcf of gas produced from the two (2) Dakota wells. The value from gas production in the Mesaverde formation for the ten month period was \$20,457.58 and for the Dakota formation was \$55,117.48.

The El Paso Natural Gas Company, as Unit Operator, plans to drill in this unit during the calendar year 1956 one (1) additional well in the Mesaverde formation to be located in the E/2 of Section 23, Township 32 North, Range 7 West, and one (1) additional well in the Dakota formation to be located on the NW/4 of Section 20, Township 32 North, Range 6 West.

The well to be drilled in the Mesaverde formation will be drilled to the base of the Mesaverde formation using rotary tools. Surface casing of 10-3/4" will be set to approximately 150' below the surface and an intermediate string of 7-5/8" casing will be set through the Pictured Cliffs formation to a depth of approximately 3200'. From this point a 5-1/2" production string will be set through the Mesaverde formation, and the casing in the Mesaverde formation will then be selectively perforated and the Mesaverde formation will be subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing, and the hole below the intermediate string will be drilled in with gas. Due care will be taken to protect all horizons.

It is intended to drill the above mentioned Dakota well to the base of the Dakota formation using rotary tools. Surface casing of 13-3/8" will be set to the depth of approximately 150' and an intermediate string of 9-5/8" will be run through the Pictured Cliffs formation to a depth of approximately 3200', and then Operator will run a production string of either 5-1/2" or 7" casing to the base of the Dakota formation. The casing in the Dakota formation will then be perforated and the Dakota formation subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing and the hole below the intermediate string of casing will be drilled in with gas. Due care will be taken to protect all horizons.

All working interest owners in this unit have been contacted, and this drilling program, insofar as is practicable, incorporates their requests.

Approval of this drilling program which will constitute all of our drilling obligations in this unit for the calendar year 1956 is hereby respectfully requested.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By R. L. Hamblin  
R. L. Hamblin  
Manager  
Lease Department

RLH:GBL:rb

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey

DATE: \_\_\_\_\_

Subject to like approval by the appropriate State officials.

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands

DATE: \_\_\_\_\_

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: W B Macey  
Oil Conservation Commission

DATE: 3-23-56

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

Re: Allison Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Amerada Petroleum Corporation  
P. O. Box 2040  
Tulsa 2, Oklahoma  
Attention: Mr. F. W. Hulsizer

Stanolind Oil & Gas Company  
Oil & Gas Building  
P. O. Box 1410  
Fort Worth, Texas  
Attention: Mr. C. F. Bedford

Three States Natural Gas Company  
17th Floor, Corrigan Tower  
Dallas 1, Texas  
Attention: Mr. J. C. Gordon

San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas  
Attention: Mr. George A. Works, Jr.

Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas  
Attention: Mr. J. Glenn Turner

Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas  
Attention: Mr. K. P. Moore

Phillips Drilling Corporation  
306 Milan Building  
San Antonio, Texas  
Attention: Mr. Morris Elsm

Mr. J. Glenn Turner  
1711 Mercantile Bank Building  
Dallas 1, Texas

# El Paso Natural Gas Company

El Paso, Texas

July 7, 1955

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

*File*

Re: Allison Unit, I Sec. No. 752  
~~San Juan County, New Mexico~~  
La Plata and Archuleta Counties, Colorado  
Initial Participating Area, Dakota Formation  
Effective September 1, 1954  
First Expanded Participating Area, Dakota  
Formation, Effective November 1, 1954  
Second Expanded Participating Area, Mesaverde  
Formation, Effective September 1, 1954  
Third Expanded Participating Area, Mesaverde  
Formation, Effective November 1, 1954

Gentlemen:

This is to advise that approval of expansion of the above captioned Participating Areas in the Allison Unit have been approved as follows:

1. Approved by the United States Geological Survey on May 16, 1955.
2. Approved by the Oil Conservation Commission of the State of New Mexico on June 20, 1955.
3. Approved by the Commissioner of Public Lands of the State of New Mexico on July 1, 1955.

*JH*

Very truly yours,

EL PASO NATURAL GAS COMPANY

By *R. L. Hamblin*  
R. L. Hamblin  
Manager  
Lease Department

RLH/GBL/eb

# EL PASO NATURAL GAS COMPANY

EL PASO, TEXAS

July 3, 1955



Mr. E. S. Walker  
Commissioner of Public Lands  
Box 791  
Santa Fe, New Mexico

Re: Allison Unit  
San Juan County, N. M.

Dear Mr. Walker:

We are in receipt of your letter dated July 1, 1955, enclosing approved copies of our first expanded participating area for the Dakota formation, and our second and third expanded participating areas for the Mesaverde formation in the above unit. These had been in your office for some time pending your approval.

As you are no doubt well aware, these expansions must be approved by the U.S.G.S., the Oil Conservation Commission, and the Commissioner of Public Lands. As soon as all three regulatory bodies have approved such expansions or drilling programs on unit agreements, we advise you and the other regulatory bodies that the expansion or drilling program has been approved by all three. This has been our practice for several years.

We are somewhat concerned by the statement in your letter to the effect that you do not intend to approve any unit plan until you have been advised that both the U.S.G.S. and the Oil Conservation Commission have approved the same plan. It can be very readily seen that if each of the other regulatory bodies took this same position, a deadlock would result and no plans would ever be approved. As unit operator we have the obligation to get these plans approved by the three regulatory bodies. It is our duty as unit operator to obtain such approval and to keep the other working interest owners, as well as the regulatory bodies informed.

If you have any questions concerning the approval of future plans of development or expansions, it would be completely satisfactory with El Paso for you to check with the two other regulatory bodies prior to granting your approval or disapproval. However, we do not believe that you should just hold such plans of development without any action on your part until you have been advised that such plans have been approved by the other regulatory bodies. As explained above, if they followed the same procedure unit development in the state of New Mexico would come to a standstill.




COPY

Page 2  
Mr. E. S. Walker  
July 5, 1955

We would appreciate your reconsidering this matter  
with the above thought in mind. Please advise.

Yours very truly,



R. L. Hamblin, Manager  
Lease Department

RLH:ms

cc: Mr. John A. Anderson

cc: Mr. William E. Macey

OIL CONSERVATION COMMISSION  
P. O. BOX 871  
SANTA FE, NEW MEXICO

June 24, 1955 *file*

**El Paso Natural Gas Company  
El Paso, Texas**

**Attention: Mr. R. L. Hamblin**

**Re: Allison Unit  
San Juan County, New Mexico  
Second Expanded Participating  
Area and Third Expanded Parti-  
cipating Area, Mesaverde Formation**

**Gentlemen:**

Reference is made to your letters of March 23 and March 24, 1955, in which you requested approval of the above-captioned participating areas.

The New Mexico Oil Conservation Commission has this date approved both the second expanded participating area and the third expanded participating area for the Mesaverde Formation of the Allison Unit, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico

One approved copy of each participating area is returned herewith.

*dan*  
Very truly yours,

**W. B. MACEY,  
Secretary-Director**

WBM/ir

cc: U. S. G. S. Roswell  
Commissioner of Public Lands, Santa Fe

Enclosures (2)

C  
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Y



# El Paso Natural Gas Company

El Paso, Texas

March 24, 1955

*Approved 6/20/55  
Jau*

Director  
United States Geological Survey  
Department of the Interior  
Washington, D. C.

Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Commissioner of Public Lands  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Re: Allison Unit  
I Sec. No. 752  
San Juan County, New Mexico  
La Plata and Archuleta  
Counties, Colorado  
Request for Approval  
Second Expanded Participating  
Area, Mesaverde Formation  
Effective September 1, 1954

Gentlemen:

Pursuant to Section 10 of the Allison Unit Agreement, I Sec. No. 752, approved August 22, 1950, El Paso Natural Gas Company, as Unit Operator, hereby submits for your approval the following selection of lands reasonably estimated to be productive of unitized substances in paying quantities to constitute the Second Expanded Participating Area for the Mesaverde Formation, located in San Juan County, New Mexico:

Township 32 North, Range 7 West, N.M.P.M.  
Section 15: W/2 E/2, W/2  
Section 16: E/2  
containing 800.00 acres,

Proved Productive By:

Allison Unit #5 well located 1190' from the North line and 990' from the East line of Section 16, Township 32 North, Range 7 West, San Juan County, New Mexico. This well was spudded on June 28, 1954, and completed on July 31, 1954, at a total depth of 5842', by Mr. J. Glenn Turner. The

pay section between 5505' and 5840' was treated with a sand-oil fracturing process. After being shut-in for 30 days this well was tested on August 30, 1954, and following a three hour blow down, gauged 1091 MCFGPD with an SIPC of 1233# and an SIPT of 1235#. El Paso Natural Gas Company, as Unit Operator, has determined that this well was capable of producing unitized substances in paying quantities on August 30, 1954.

The working interest owners in the Allison Unit declined to join Mr. J. Glenn Turner in the drilling of this well and Mr. Turner drilled this well under the non-consent provisions of Section 12 of the Unit Agreement and Section 9 of the Unit Accounting Agreement. These sections provide essentially that the party drilling such a well shall receive 200% of the total cost of drilling, testing and completing same, payable out of first production therefrom remaining after payment of all royalty charges, deductions for amounts used by Unit Operator for production, developing, repressuring, recycling, or unavoidably lost and deductions for operating expenses. After the drilling party has received 200% of the cost of drilling, etc., production thereafter shall be apportioned as provided in Section 2 and all costs and expenses thereafter apportioned as provided in Section 4 of the Unit Accounting Agreement.

Attached hereto and made a part of this application is a map, marked Exhibit "A" showing thereon the Allison Unit Area, and the submitted Second Expanded Participating Area for the Mesaverde Formation. Also attached and made a part hereof is a schedule marked Exhibit "B-2", describing the participating area and showing the percentage of unitized substances allocated to each tract according to the various ownerships in said tracts.

The Applicant respectfully requests the approval of this selection of lands for the Second Expanded Participating Area for the Mesaverde Formation to be effective as of September 1, 1954. If this meets with your approval, please indicate such approval in the space provided below and return one approved copy for our files.

Copies of this latter and schedule are being sent to all working interest owners indicated on the attached list.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By R L Hamblin  
R. L. Hamblin *rwB*  
Manager  
Lease Department

RLH:DBM:pb  
cc: Attached List

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey

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

Subject to like approval by the appropriate State Officials.

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands

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

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: orig to WPM  
Oil Conservation Commission

Date: 6/20/55

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

**Allison Unit**

**Copies of the foregoing letter have been sent to the following working interest owners:**

**Amerada Petroleum Corporation  
Beacon Building  
P. O. Box 2040  
Tulsa 2, Oklahoma  
Attention: F. W. Hulsizer**

**Stanolind Oil and Gas Company  
Oil and Gas Building  
Fort Worth, Texas  
Attention: Mr. C. F. Bedford**

**Three States Natural Gas Company  
Corrigan Tower  
Dallas 1, Texas  
Attention: Mr. J. C. Gordon**

**San Jacinto Petroleum Corporation  
San Jacinto Building  
Houston 2, Texas  
Attention: Mr. George A. Works, Jr.**

**Squire Production Company  
1711 Mercantile Bank Building  
Dallas 1, Texas  
Attention: Mr. J. Glenn Turner**

**Western Natural Gas Company  
1006 Main Street  
Houston 2, Texas  
Attention: Mr. K. P. Moore**

**Mr. H. H. Phillips  
306 Milam Building  
San Antonio, Texas  
Attention: Mr. Morris Elms**

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERT DE FORMATION  
ALLISON UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP</u>	<u>AND</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PARTICIPATION</u>	<u>PRESENT ACTUAL</u>
NM 04207	<u>T-32-N, R-6-W</u>	200.00						
	Sec. 17: S/2 SW/4,		Royalty;		12.50000%	12.50000%		<u>10.31758%</u>
	SE/4 NW/4,		Working Interest:					
	NE/4 SW/4		El Paso Natural Gas Co.;		41.00000%	41.00000%		
	Sec. 18: SE/4 SE/4		Amerada Petroleum Corp.;		41.00000%	41.00000%		
			ORRI;		<u>5.50000%</u>	<u>5.50000%</u>		
			TOTAL		<u>100.00000%</u>	<u>100.00000%</u>		

Tract 7

Allison Unit #2 Well

Effective September 1, 1954

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
ALLISON UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP</u>	<u>AND</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>Tract 27</u>							
Fee	T-32-N, R-6-W Sec. 17: SW/4 NW/4, NW/4 SW/4	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;		12.50000% 43.75000% 43.75000% .00000%	12.50000% 43.75000% 43.75000% .00000%	<u>4.12703%</u>
	TOTAL				<u>100.00000%</u>	<u>100.00000%</u>	

Allison Unit #2 Well

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERTIDE FORMATION  
ALLISON UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP</u>	<u>AND</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL</u>	<u>PARTICIPATION</u>
				<u>Tract 37</u>				
Fee	<u>T-32-N, R-6-W</u> Sec. 18: <u>SE/4 NE/4,</u> NE/4 SE/4	80.00	Royalty; Working Interest:		12.50000%	12.50000%		<u>4.12703%</u>
			El Paso Natural Gas Co.;		43.75000%	43.75000%		
			Amerada Petroleum Corp.;		43.75000%	43.75000%		
			ORRI;		.00000%	.00000%		
			TOTAL		<u>100.00000%</u>	<u>100.00000%</u>		

Allison Unit #2 Well

Effective September 1, 1954

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION  
ALLISON UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP</u>	<u>AND</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078459-B	<u>T-32-N, R-7-W</u>	578.44					
	Sec. 10: Lot 1, E/2 SE/4		Royalty;		12.50000%	12.50000%	<u>29.84049%</u>
	Sec. 11: Lots 3,4, N/2 SW/4		Working Interest;				
	Sec. 14: SW/4, SW/4 NW/4		El Paso Natural Gas Co.;		41.00000%	41.00000%	
	Sec. 15: E/2 E/2		Amerada Petroleum Corp.;		41.00000%	41.00000%	
			ORRI;		5.50000%	5.50000%	
			TOTAL		<u>100.00000%</u>	<u>100.00000%</u>	

Tract 1

Allison Unit #3 Well  
Allison Unit #4 Well

Effective September 1, 1954



EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVEDE FORMATION  
ALLISON UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>		<u>COMMITTED</u>	<u>PRESENT ACTUAL</u>
			<u>Tract 44</u>			<u>PARTICIPATION</u>
Fee	<u>T-32-N, R-7-W</u> Sec. 11: S/2 SW/4 Sec. 14: N/2 NW/4, SE/4 NW/4	200.00	Royalty; Working Interest: El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;	12.50000% 43.75000% 43.75000% .00000%	12.50000% 43.75000% 43.75000% .00000%	<u>10.31757%</u>
	TOTAL			<u>100.00000%</u>	<u>100.00000%</u>	

Allison Unit #3 well  
Allison Unit #4 well

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION  
ALLISON UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP</u>	<u>AND</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>Tract 1</u>							
SF 078459-B	T-32-N, R-7-W Sec. 15: W/2 E/2, W/2	480.00	Royalty; Working Interest: El Paso Natural Gas Co.; Amerada Petroleum Corp.; ORRI;		12.500000% 41.000000% 41.000000% 5.500000%	12.500000% 41.000000% 41.000000% 5.500000%	<u>24.76218%</u>
			TOTAL		<u>100.000000%</u>	<u>100.000000%</u>	

Allison Unit #5 Well

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVENDE FORMATION  
ALLISON UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP</u>	<u>AND</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
E-503	<u>T-32-N, R-7-W</u> Sec. 16: E/2	320.00	<u>Tract 9</u>				
	Royalty;		12.50000%		12.50000%		<u>16.50812%</u>
	Working Interest:						
	El Paso Natural Gas Co.;		75.56250%		75.56250%		
	ORRI;		<u>11.93750%</u>		<u>11.93750%</u>		
	TOTAL		<u>100.00000%</u>		<u>100.00000%</u>		

Allison Unit #5 Well

EXHIBIT "B-2"  
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
ALLISON UNIT AREA

RECAPITULATION

Description of lands in Participating Area:

Township 32 North, Range 6 West, N.M.P.M.  
Section 17: SW/4, S/2 NW/4  
Section 18: E/2 SE/4, SE/4 NE/4  
Township 32 North, Range 7 West, N.M.P.M.  
Section 10: Lot 1, E/2 SE/4  
Section 11: Lots 3,4, SW/4  
Section 14: W/2  
Section 15: All  
Section 16: E/2

Total number of acres in Participating Area:	1,938.44
Percent of Working Interest and Royalty Interest committed:	100.00%