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December 3, 1956

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

Attention: Mr. Samuel Smith

**Re: (Lindrith Unit Area)
Rio Arriba County, New Mexico
Amended Supplemental
Drilling Program 1956**

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Amended Supplemental Drilling Program for 1956 for the subject unit area, dated November 15, 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 program is returned herewith.

Very truly yours,

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

ALP:DSN:ir

*bcc - UEGS, Reno, Nev. -
Comm Pub Lands, Santa Fe.*



OFFICE 030

NOV 21 1956

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 6721
Roswell, New Mexico

November 19, 1956

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

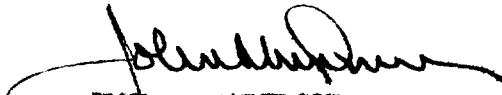
Gentlemen:

The amended supplemental plan of development dated November 15, 1956, for the Lindrith unit area, New Mexico, I-Geo. No. 713, has been approved on this date, subject to like approval by the appropriate State officials.

The amended plan changes the location of one of the four wells proposed under the supplemental plan dated November 5, 1956, from the SW $\frac{1}{4}$ sec. 10, to the SE $\frac{1}{4}$ sec. 9, T. 24 N., R. 2 W., E.M.P.M.

One approved copy of said plan is returned herewith.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons. Div., Wash. (w/1 copy of plan)
Farmington (w/1 copy of plan)
RDCC, Santa Fe (ltr only)



MAIN OFFICE 000
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 6721
Roswell, New Mexico

1956 NOV 08 PM 1:47

November 8, 1956

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

Gentlemen:

The supplemental plan of development dated November 5, 1956, for the Lindrith unit area, New Mexico, I-Sec. No. 713, has been approved on this date, subject to like approval by the appropriate State officials.

One approved copy of said plan is returned herewith.

Very truly yours,

(Orig. Sgd.) R. E. CANFIELD

R. E. CANFIELD
Acting Oil and Gas Supervisor

Copy to: Cons. Div., Wash. (w/1 copy of plan)
Farmin/ton (w/1 copy of plan)
NMOCC, Santa Fe (ltr only)

UNIT DIVISION
NOV 20 1956

November 20, 1956

In reply refer to:
Unit Division

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

Re: Lindrith Unit Area
Amended Supplemental
Drilling Program, 1956 -
Rio Arriba County, N. Mex.

Attention: Mr. Samuel Smith
Assistant Manager
Lease Department

Gentlemen:

We are enclosing one copy of Amended Supplemental Drilling Program 1956, for the Lindrith Unit Area, which was approved by the Commissioner of Public Lands November 20, 1956.

This approval is 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

ESW:MMR/m
enc: 1

cc: OCC-Santa Fe
USGS-Roswell

November 9, 1956

In reply refer to:
Unit Division

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

Re: Supplemental Drilling
Program 1956 for
Lindrith Unit Area -
Rio Arriba County, N. Mex.

Gentlemen:

Enclosed herewith is one copy of the Supplemental Drilling Program 1956 for the Lindrith Unit Area as approved by the Commissioner of Public Lands on November 9, 1956, subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

We must insist that hereafter two copies be submitted for the files of the Unit Division of the State Land Office.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

ESW:
MMR/m

cc: USGS-Roswell
OCC-Santa Fe

El Paso Natural Gas Company

El Paso, Texas

November 5, 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

*Approved by [unclear]
November 16, 1956*

Re: Lindrith Unit Area, I Sec. No. 713
Rio Arriba County, New Mexico
SUPPLEMENTAL DRILLING PROGRAM 1956

Gentlemen:

El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on July 18, 1956 for the calendar year 1956. The 1956 Drilling Program consisting of four Pictured Cliffs test wells has been approved by the United States Geological Survey, Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commission of the State of New Mexico.

There are several leases within the Lindrith Unit Area, which will expire in early 1957 unless they are included within the Participating Area. El Paso Natural Gas Company desires to expand the Participating Area and keep these leases in effect. El Paso Natural Gas Company, as Unit Operator, submits for your consideration and approval a Supplemental Drilling Program for the calendar year 1956, consisting of four (4) additional test wells to be completed in the Pictured Cliffs Formation. These four (4) additional wells are to be located as follows:

- (1) SW/4 of Section 9, Township 24 North, Range 2 West, N.M.P.M.
- (2) SW/4 of Section 10, Township 24 North, Range 2 West, N.M.P.M.
- (3) SE/4 of Section 33, Township 24 North, Range 3 West, N.M.P.M.
- (4) SE/4 of Section 34, Township 25 North, Range 3 West, N.M.P.M.

El Paso Natural Gas Company, as Unit Operator intends to drill all of the above listed Pictured Cliffs wells to the base of the Pictured Cliffs Formation.

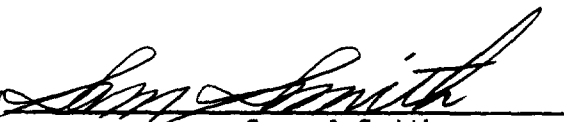
Surface casing of 9-5/8" will be set to approximately 100' from the surface, and then a production string of 5-1/2" casing will be set through the Pictured Cliffs Formation. Mud will be used in drilling through the Pictured Cliffs Formation and cable tools will be used for perforating and completing in the Pictured Cliffs Formation. The entire Pictured Cliffs Formation will be selectively perforated and subjected to a sand-water fracturing process after which 1-1/2" tubing will be installed. Due care will be taken to protect all horizons.

If this Supplemental 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, as Unit Operator.

Copies of this Supplemental Drilling Program are being sent to the Working Interest Owners indicated below.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 
Samuel Smith
Assistant Manager
Lease Department

SS:HG:nb

Attachment

cc: Magnolia Petroleum Company

Delhi-Taylor Oil Corporation

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 U.S.G.S. and Oil Conservation Commission.

APPROVED: _____ Date: _____
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

The foregoing approvals are for the 1956 Supplemental Drilling Program consisting of four (4) Pictured Cliffs wells to be drilled in the Lindrith Unit Area.

El Paso Natural Gas Company

El Paso, Texas

November 15, 1956

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

*return to
D & N -*

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: Lindrith Unit Area, I Sec. No. 713
Rio Arriba County, New Mexico
**AMENDED SUPPLEMENTAL DRILLING
PROGRAM 1956**

Gentlemen:

El Paso Natural Gas Company, as Unit Operator, filed a Supplemental Drilling Program on November 5, 1956, for the calendar year 1956 consisting of four (4) Pictured Cliffs test wells. The Supplemental Drilling Program was approved by the United States Geological Survey on November 8, 1956, and by the Commissioner of Public Lands of the State of New Mexico on November 9, 1956. The decision of the Oil Conservation Commission of the State of New Mexico has not yet been received.

Title difficulties involving the Southwest quarter (SW/4) of Section 10, Township 24 North, Range 2 West, N.M.P.M., make it impossible to drill that location at the present time. Therefore, El Paso Natural Gas Company, as Unit Operator, respectfully requests the deletion of this well site from the Supplemental Drilling Program for 1956, and the inclusion of the Southeast quarter (SE/4) of Section 9, Township 24 North, Range 2 West, N.M.P.M., in its place. This amendment would enable us to proceed with the desired expansion of the Lindrith Unit Participating Area, and also to complete the process of clearing title on the deleted quarter section.

As amended, the Supplemental Drilling Program for 1956 will have the four (4) additional wells located as follows:

- (1) SW/4 of Section 9, Township 24 North, Range 2 West, N.M.P.M. ✓
- (2) SE/4 of Section 9, Township 24 North, Range 2 West, N.M.P.M. ✓
- (3) SE/4 of Section 33, Township 24 North, Range 3 West, N.M.P.M. ✓
- (4) SE/4 of Section 34, Township 25 North, Range 3 West, N.M.P.M. ✓

The drilling and completion methods employed will be the same as those specified in the Supplemental Drilling Program.

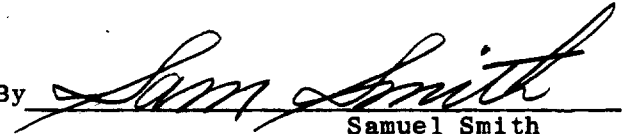
If this Amended Supplemental Drilling Program is acceptable, please signify your approval as required under Section 9 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company, as Unit Operator.

Copies of this Amended Supplemental Drilling Program are being sent to the Working Interest Owners indicated below.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



Samuel Smith
Assistant Manager
Lease Department

SS:HG:nb

Attachment

cc: Magnolia Petroleum Company
Delhi-Taylor Oil Corporation

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 U.S.G.S. and Oil Conservation Commission.

APPROVED: *A. H. Miller* Date: *Dec. 3, 1956*
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

The foregoing approvals are for the 1956 Amended Supplemental Drilling Program consisting of four (4) Pictured Cliffs wells to be drilled in the Lindrith Unit Area.

How

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

159.

November 1, 1956

**El Paso Natural Gas Company
El Paso, Texas**

Attention: Mr. Joe W. Cherry

**Re: Lindrith Unit Area
Rio Arriba County, New Mexico
Initial Participating Area and
First, Second, and Third
Expanded Participating Areas
Pictured Cliffs Formation**

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the above-captioned participating areas, dated October 22, 1956, subject to like approval by the U. S. Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

Any previous approval by the Commission of any Pictured Cliffs Participating Areas for the Lindrith Unit is hereby rescinded.

Very truly yours,

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

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

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WALKER DISTRICT 600

159

UNIT DIVISION

November 1, 1956

In reply refer to:
Unit Division

file

El Paso Natural Gas Co.
El Paso, Texas

Re: Revised Lindrith Unit -
Notice of Discovery and
Approval of Initial Part-
icipating Area and First
through Third Expanded
Participating Areas

Attention: Mr. R. L. Hamblin, Manager
Lease Department

Gentlemen:

We are handing you herewith five copies of
the Initial Participating Area and First through
Third Expanded Participating Areas for the
Lindrith Unit, which was approved by the Com-
missioner of Public Lands on November 1, 1956.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

ESW:MMR/m
enc: 5

cc: USGS-Roswell
OCC-Santa Fe

El Paso Natural Gas Company

El Paso, Texas

October 22, 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: Lindrith Unit Agreement, I Sec. No. 713
Rio Arriba County, New Mexico
NOTICE OF DISCOVERY and REQUEST FOR APPROVAL
OF INITIAL PARTICIPATING AREA and FIRST THROUGH
THIRD EXPANDED PARTICIPATING AREAS
Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 10 of the Unit Agreement for the Lindrith Unit Area, Rio Arriba County, New Mexico, El Paso Natural Gas Company, as Unit Operator, determined, subject to the approval of the Director, Commissioner and Commission, that the Lindrith Unit #1 Well, completed in the Pictured Cliffs Formation, is capable of producing unitized substances in paying quantities, that the Initial Participating Area for the Pictured Cliffs Formation should be established, and that the following selection of lands are reasonably estimated to be productive in paying quantities from the Pictured Cliffs Formation:

Township 24 North, Range 2 West
Section 20: SE/4
Containing 160.00 acres, more or less

The lands described above are proved productive by the following:

El Paso Natural Gas Company's Lindrith Unit #1 Well, located 1800' from the South line and 1650' from the East line of Section 20, Township 24 North, Range 2 West, Rio Arriba County, New Mexico, was spudded on July 11, 1955, and completed on July 26, 1955, at a total depth of 3089' in the Pictured Cliffs Formation. The Pictured Cliffs Formation between 3036' and 3089' was treated with a

Director
Commissioner
Commission
October 22, 1956
Page 2

sand-oil fracturing process. After being shut-in for gauge for eight days the well was tested on August 4, 1955, and following a three hour blow-down period gauged an IP of 3132 MCFGPD, with an SIPC of 905# and an SIPT of 905#.

The effective date for the Initial Participating Area is determined as August 4, 1955, the date on which the above well was tested and the information gained.

Pursuant to said Section 10 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, submits for your approval the First Expanded Participating Area for the Pictured Cliffs Formation, Lindrith Unit, Rio Arriba County, New Mexico, which includes in addition to the lands submitted for the Initial Participating Area, the following lands reasonably estimated to be productive in paying quantities from the Pictured Cliffs Formation:

Township 24 North, Range 3 West
Section 13: SW/4
Section 16: W/2
Containing 480.00 acres, more or less

The lands described above are proved productive by the following:

The Lindrith Unit #2 Well, located 990' from the South line and 1650' from the West line of Section 13, Township 24 North, Range 3 West, Rio Arriba County, New Mexico, was spudded on July 31, 1955, and completed on August 22, 1955, at a total depth of 3106' in the Pictured Cliffs Formation. The Pictured Cliffs Formation between 3056' and 3106' was treated with a sand-oil fracturing process. After being shut-in for ten days the well was tested on September 1, 1955, and following a three hour blow-down period gauged an IP of 2416 MCFGPD, with an SIPC of 979# and an SIPT of 979#.

The Lindrith Unit #3 Well, located 800' from the North line and 1550' from the West line of Section 16, Township 24 North, Range 3 West, Rio Arriba County, New Mexico, was spudded on July 25, 1955, and completed on August 16, 1955, at a total depth of 3033' in the Pictured Cliffs Formation. The Pictured Cliffs Formation between 3200' and 3265' was treated with a sand-oil fracturing process. After being shut-in for sixteen days the well was tested on September 1, 1955, and following a three hour blow-down period gauged an IP of 13,601 MCFGPD, with an SIPC of 1005# and an SIPT of 1008#.

Inasmuch as 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 First Expanded Pictured Cliffs Participating Area will be effective October 1, 1955, the first of the month following the

Director
Commissioner
Commission
October 22, 1956
Page 3

testing of the Lindrith Unit #2 Well and the Lindrith Unit #3 Well.

Pursuant to said Section 10 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Second Expanded Participating Area for the Pictured Cliffs Formation, Lindrith Unit, Rio Arriba County, New Mexico, which includes in addition to the lands previously submitted, the following selection of lands reasonably estimated to be productive in paying quantities from the Pictured Cliffs Formation:

Township 24 North, Range 2 West

Section 18: Lots 3,4, E/2 SW/4

Section 19: Lots 1,2,3,4, E/2 W/2,
E/2

Section 20: W/2, NE/4

Section 21: W/2

Section 28: NW/4

Section 29: N/2

Containing 2,056.00 acres, more or less

Township 24 North, Range 3 West

Section 13: SE/4

Section 24: N/2

Containing 480.00 acres, more or less

The lands described above are proved productive by the following:

The Lindrith Unit #5 Well, located 1650' from the South line and 890' from the East line of Section 19, Township 24 North, Range 2 West, Rio Arriba County, New Mexico, was spudded on May 23, 1956, and completed on July 2, 1956, at a total depth of 3111' in the Pictured Cliffs Formation. The Pictured Cliffs Formation between 3030' and 3060' was treated with a sand-water fracturing process. After being shut-in for fourteen days the well was tested on July 16, 1956, and following a three hour blow-down gauged 2505 MCFGPD through a 3/4 inch choke and 2587 MCFGPD by the calculated absolute open flow method with an SIPC of 970# and an SIPT of 970#.

The Lindrith Unit #7 Well, located 1650' from the South line and 1090' from the West line of Section 21, Township 24 North, Range 2 West, Rio Arriba County, New Mexico, was spudded on May 28, 1956, and completed on July 8, 1956, at a total depth of 3108' in the Pictured Cliffs Formation. The Pictured Cliffs Formation between 3104' and 3143' was treated with a sand-water fracturing process. After being shut-in for eight days the well was tested on July 16, 1956, and following a three hour blow-down period gauged 1036 MCFGPD through a 3/4 inch choke and 1052 MCFGPD by the calculated absolute open flow method with an SIPC of 921# and an SIPT of 921#.

Director
Commissioner
Commission
October 22, 1956
Page 4

The N/2 of Section 29 and the NW/4 of Section 28, Township 24 North, Range 2 West are included on the basis of electric log comparisons between the #7 Lindrith and the Magnolia #1 Nolting well in the NE/4 of Section 29. The Nolting well was an early Dakota test which was plugged and abandoned with no attempt made to complete the Pictured Cliffs sandstone. However, the log indicates the Pictured Cliffs is as well developed in this well as in the #7 Lindrith and with a proper fracturing treatment could make a well comparable to the #7 Lindrith. On this basis it is included within this expansion.

The effective date for the Second Expansion of the Pictured Cliffs Participating Area shall be effective August 1, 1956, the first of the month following the testing of the Lindrith Unit #5 Well and the Lindrith Unit #7 Well.

Pursuant to said Section 10 of the Lindrith Unit Agreement, El Paso Natural Gas Company, as Unit Operator, submits for your approval the Third Expanded Participating Area for the Pictured Cliffs Formation, Lindrith Unit, Rio Arriba County, New Mexico, which includes, in addition to the lands previously submitted, the following selection of lands reasonably estimated to be productive in paying quantities from the Pictured Cliffs Formation:

Township 24 North, Range 3 West

Section 9: All

Section 10: SW/4

Section 13: NW/4

Section 14: All

Section 15: All

Section 16: E/2

Section 23: ~~SW/4~~ NE/4

Containing 2,720.00 acres, more or less

The lands described above are proved productive by the following:

The Lindrith Unit #6 Well, located 1090' from the North line and 1550' from the East line of Section 14, Township 24 North, Range 3 West, Rio Arriba County, New Mexico, was spudded on June 4, 1956, and completed on July 14, 1956, at a total depth of 3160' in the Pictured Cliffs Formation. The Pictured Cliffs Formation between 3080' and 3128' was treated with a sand-water fracturing process. After being shut-in for twenty-five days the well was tested on August 9, 1956, and following a three hour blow-down gauged 1910 MCFGPD through a 3/4 inch choke and 1953 MCFGPD by the calculated absolute open flow method, with an SIPC of 1030# and an SIPT of 1030#.

Director
Commissioner
Commission
October 22, 1956
Page 5

The Lindrith Unit #8 Well, located 1700' from the North line and 990' from the West line of Section 15, Township 24 North, Range 3 West, Rio Arriba County, New Mexico, was spudded on June 10, 1956, and completed on July 17, 1956, at a total depth of 3253' in the Pictured Cliffs Formation. The Pictured Cliffs Formation between 3172' and 3216' was treated with a sand-water fracturing process. After being shut-in for twenty-two days the well was tested on August 9, 1956, and following a three hour blow-down gauged 11,370 MCFGPD through a 3/4 inch choke and 27,586 MCFGPD by the calculated absolute open flow method, with an SIPC of 1030# and an SIPT of 1030#.

The Magnolia Cullen Federal #1 Well, located in the SW/4 of Section 4, Township 24 North, Range 3 West, and the Magnolia W. O. Hughes #1 Well, located in the SE/4 of Section 8, Township 24 North, Range 3 West, extends the productive Pictured Cliffs northwest-southeast trend to the northwest and shows it to be continuous across the unit. This trend apparently represents an ancient Upper Cretaceous shoreline with sufficient working of the sediments during deposition to clean-up the sand and give the subsequent sandstone enough porosity and permeability to become a gas bearing reservoir bed.

The effective date for the Third Expansion of the Pictured Cliffs Participating Area shall be effective September 1, 1956, the first of the month following the testing of the Lindrith Unit #6 Well and the Lindrith Unit #8 Well.

Attached hereto as Exhibit "A" is a map of the Lindrith Unit Area on which has been colored the Initial and First through Third Expanded Participating Areas for the Pictured Cliffs Formation. Attached also are Schedules I through IV showing the Initial and First through Third Expanded Participating Areas respectively for the Pictured Cliffs Formation in the Lindrith Unit Area. These schedules describe the Initial Participating Area and subsequent expansions thereof; 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.

If this Initial Participating Area and these expansions, First through Third, meet with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our files. A copy of this letter and a copy of each schedule is being sent to the working interest owners indicated below.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



R. L. Hamblin, Manager
Lease Department

RLH:JWC:nb

cc: Magnolia Petroleum Company

Delhi-Taylor Oil Corporation

APPROVED: _____
Director, 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: *A. L. Custer*
Oil Conservation Commission

Date: *November 1, 1956*

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

The foregoing approvals are for the 160 acre Initial Pictured Cliffs Participating Area, effective August 4, 1955; the 480 acre First revision of the Pictured Cliffs Participating Area, effective October 1, 1955; the 2,536 acre Second revision of the Pictured Cliffs Participating Area, effective August 1, 1956; and the 2,720 acre Third revision of the Pictured Cliffs Participating Area, effective September 1, 1956, under the Lindrith Unit, New Mexico.

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

*Copy
15-97*

file

October 17, 1956

El Paso Natural Gas Company
El Paso, Texas

Attention: R. L. Hamblin

Re: (Lindrith Unit Area)
Rio Arriba County, New Mexico;
Initial Participating Area
and the First, Second and Third
Expanded Participating Areas,
Pictured Cliffs Formation.

Gentlemen:

This is to advise that the Initial Participating Area and the First, Second and Third Expanded Participating Areas for the Pictured Cliffs Formation in the subject unit area, dated October 16, 1956, have 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.

Very truly yours,

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

ALP/DSH/ir

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12
COMMUNICATIONS
SECTION

October 16, 1956

In reply refer to:
Unit Division

El Paso Natural Gas Co.
El Paso, Texas

Re: Lindrith Unit -
Notice of Discovery and
Approval of Initial Par-
ticipating Area and First
through Third Expanded
Participating Areas

Attention: Mr. R. L. Hamblin, Manager
Lease Department

Gentlemen:

We are handing you herewith five copies of the Initial Participating Area and First through Third Expanded Participating Areas for the Lindrith Unit, which was approved by the Commissioner of Public Lands on October 16, 1956.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

MMR/m
enc: 5

cc: USGS-Roswell
OCC-Santa Fe

MAIL ROOM
OCT 11 1956
OCT 11 1956
El Paso Natural Gas Company

El Paso, Texas

October 11, 1956

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Gentlemen:

Please find enclosed one (1) copy of the revised Exhibit "A" and one (1) copy of the revised Exhibit "B" for the Lindrich Unit Agreement, Rio Arriba County, New Mexico. Both of these revisions bear an effective date of September 1, 1956.

Very truly yours,

Joe W. Cherry
Area Landman
Lease Department

JWC:pb
Encls.

AIR MAIL

EXHIBIT "B"
 SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
 IN ALL LANDS IN THE LINDRITH UNIT AGREEMENT

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Percentage of Interest
FEDERAL LANDS							
1	T-25-N, R-2-W Sec. 31: Lots 1,2,3,4 Sec. 32: N $\frac{1}{2}$, N $\frac{3}{4}$ S $\frac{1}{2}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ T-24-N, R-2-W Sec. 3: Lot 4, SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 4: All Sec. 6: All Sec. 10: N $\frac{1}{2}$ NW $\frac{1}{4}$	2316.51	SF 078907 3-1-48	U.S.A. 12 $\frac{1}{2}$ % All	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.	Non-Convertible - All Depths R V. Wickens 2.000000% Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp. Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp. Squire Production Co. William G. Webb Frank A. Schultz, Jr.	Gas Rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. All Gas rights from base of Pictured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Formation: Magnolia Petroleum Co. 1/2 Delhi-Taylor Oil Corp. 1/2 Oil and gas rights below top of Dakota Formation: Magnolia Petroleum Co. 3/4 Delhi-Taylor Oil Corp. 1/4
2	T-24-N, R-2-W Sec. 7: All Sec. 8: All Sec. 9: E $\frac{1}{2}$ Sec. 18: Lots 1,2,4, E $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 17: N $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$ S $\frac{1}{2}$ Sec. 16: W $\frac{1}{2}$ W $\frac{1}{2}$	2370.92	SF 078908 5-1-48	U.S.A. 12 $\frac{1}{2}$ % All	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.	Non-Convertible - All Depths Owen B. Marron 2.000000% Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp.	See Tract 1 for Ownership

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
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2 (Continued)

Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation
See Tract 1 for Ownership

3 T-24-N, R-2-W 2544.29

SF 078909 5-1-48 U.S.A. 12 1/2% All

Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.

See Tract 1 for Ownership

Sec. 15: W 1/2
Sec. 16: NE 1/4, S 1/2 SE 1/4
Sec. 19: Lots 3, 4, E 1/2 SW 1/4, SE 1/4
Sec. 20: All
Sec. 21: S 1/2
Sec. 22: W 1/2
Sec. 30: N 1/2
T-24-N, R-3-W
Sec. 24: E 1/2 SE 1/4

Non-Convertible - All Depths Albuquerque Associated Oil Co. 2.000000%
Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation
Magnolia Petroleum Co. 1.500000%
Delhi-Taylor Oil Corp. 1.500000%
Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation
See Tract 1 for Ownership

4 T-24-N, R-2-W 2456.53

SF 078910 2-1-48 U.S.A. 12 1/2% All

Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.

See Tract 1 for Ownership

Sec. 28: E 1/2, N 1/2 NW 1/4
Sec. 29: NE 1/4, W 1/2 SE 1/4
Sec. 30: S 1/2
Sec. 31: All
Sec. 32: All
T-24-N, R-3-W
Sec. 24: SW 1/4, W 1/2 SE 1/4

Non-Convertible - All Depths Daniel P. Nolting 2.000000%
Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation
Magnolia Petroleum Co. 1.500000%
Delhi-Taylor Oil Corp. 1.500000%
Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation
See Tract 1 for Ownership

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Lessees of Record	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
5	T-24-N, R-3-W Sec. 1: A11 Sec. 2: A11 Sec. 3: A11 T-25-N, R-3-W Sec. 35: SE $\frac{1}{4}$ Sec. 36: S $\frac{1}{2}$	2451.24	SF 078911 2-1-48	U.S.A. 12 $\frac{1}{2}$ % A11	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.	Non-Convertible - All Depths Robert J. Nordhaus 2.000000% Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil C Corp. Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation See Tract 1 for Ownership	See Tract 1 for Ownership
6	T-24-N, R-3-W Sec. 10: A11 Sec. 11: N $\frac{1}{2}$, SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 12: NW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13: NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 14: E $\frac{1}{2}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 24: NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$	2560.00	SF 078912 2-1-48	U.S.A. 12 $\frac{1}{2}$ % A11	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.	Non-Convertible - All Depths J. G. Heaston 2.000000% Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp. Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation See Tract 1 for Ownership	See Tract 1 for Ownership
7	T-24-N, R-3-W Sec. 15: A11 Sec. 16: A11 Sec. 21: A11 Sec. 22: A11	2560.00	SF 078913 2-1-48	U.S.A. 12 $\frac{1}{2}$ % A11	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.	Non-Convertible - All Depths Albuquerque Associated Oil Co. Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation See Tract 1 for Ownership	See Tract 1 for Ownership

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Lessees of Record	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
7	(Continued)						
	Magnolia Petroleum Co.					1.50000%	
	Delhi-Taylor Oil Corp.					1.50000%	
	Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation						
	See Tract 1 for Ownership						
8	T-24-N, R-3-W	2560.00	SF 078914	U.S.A. 12 1/2%	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.		
	Sec. 25: All		2-1-48				
	Sec. 26: All						
	Sec. 27: All						
	Sec. 28: All						
	Non-Convertible - All Depths					2.00000%	See Tract 1 for Ownership
	W. L. Hawkins						
	Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation						
	Magnolia Petroleum Co.					1.50000%	
	Delhi-Taylor Oil Corp.					1.50000%	
	Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation						
	See Tract 1 for Ownership						
9	T-24-N, R-3-W	2560.00	SF 078915	U.S.A. 12 1/2%	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.		
	Sec. 23: All		2-1-48				
	Sec. 34: All						
	Sec. 35: All						
	Sec. 36: All						
	Non-Convertible - All Depths					2.00000%	See Tract 1 for Ownership
	A. M. Nassif						
	Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation						
	Magnolia Petroleum Co.					1.50000%	
	Delhi-Taylor Oil Corp.					1.50000%	
	Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation						
	See Tract 1 for Ownership						

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Percentage of Interest
10	T-25-N, R-3-W Sec. 34: NW $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	SF 080804 5-1-50	U.S.A. 12 $\frac{1}{2}$ % All	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.	Non-Convertible - All Depths A. L. Duff, Jr. 2.50000% Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp. 1.25000%	See Tract 1 for Ownership
11	T-24-N, R-2-W Sec. 16: N $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$	240.00	SF 081230 5-1-50	U.S.A. 12 $\frac{1}{2}$ % All	Magnolia Petroleum Co. & Delhi-Taylor Oil Corp.	Non-Convertible - as to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp. 2.50000% Convertible - as to gas and associated liquid hydrocarbons to base of PC Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp. .62500% Squire Prod. Co. 2.96875% William G. Webb .15625% Frank A. Schultz, Jr. 3.12500%	See Tract 1 for Ownership

TOTAL FEDERAL LANDS 22,659.51

Tract No.	Description	No. of Acres	Land Owner and Percentage of Royalty Payable to Lessors and Others	Lessee and Date of Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
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PATENTED LANDS

11a*	T-24-N, R-2-W Sec. 16: N ¹ SE ¹ , E ² W ²	240.00	1/8 - L. J. Ingram	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co.	3-29-47	As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp.	Gas rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. All Gas rights from base of Pictured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Formation: Magnolia Petroleum Co. 1/2 Delhi-Taylor Oil Corp. 1/2 Oil & Gas rights below top of Dakota Formation: Magnolia Petroleum Co. 3/4 Delhi-Taylor Oil Corp. 1/4
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* NOTE: This lease conflicts with SF 081230

12	T-24-N, R-2-W Sec. 17: S ¹ N ² , N ¹ S ²	320.00	5/128 - Jerry Curtis 7/256 - S. P. Yates 7/256 - Martin Yates, III 1/64 - L. A. Nordan 1/64 - Midwest Oil Corp.	Unleased		As to gas & associated liquid hydrocarbons to base of Pictured Cliffs Formation On leased interest (3/4) only Magnolia Petroleum Co. Delhi-Taylor Oil Corp.	Gas rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. 3/4 Gas rights from base of Pictured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Formation: Magnolia Petroleum Co. 3/8 Delhi-Taylor Oil Corp. 3/8 Oil and Gas rights below top of Dakota Formation: Magnolia Petroleum Co. 9/16 Delhi-Taylor Oil Corp. 3/16
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13	T-24-N, R-2-W Sec. 29: W ²	320.00	1/32 - Fanny J. Hill 1/32 - Felmont Oil Co. 1/64 - G. E. Borling 1/64 - Erema S. Borling 1/32 - Felmont Oil Co.	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 3-12-47 10-13-53 10-13-53 Unleased	As to gas & associated liquid hydrocarbons to base of Pictured Cliffs Formation On leased interest (3/4) only Magnolia Petroleum Co. Delhi-Taylor Oil Corp. Squire Production Co. William G. Webb Frank A. Schultz, Jr.	Gas rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. 3/4 Gas rights from base of Pictured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Formation: Magnolia Petroleum Co. 3/8 Delhi-Taylor Oil Corp. 3/8 Oil and Gas rights below top of Dakota Formation: Magnolia Petroleum Co. 9/16 Delhi-Taylor Oil Corp. 3/16
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Tract No.	Description	No. of Acres	Land Owner and Percentage of Royalty Payable to Lessors and Others	Lessee and Date of Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
13a	T-24-N, R-2-W Sec. 33: N $\frac{1}{2}$	320.00	<p>3/256 - G. E. Boring</p> <p>3/256 - Erema S. Boring</p> <p>1/64 - A. G. Johnson & wife,</p> <p>Elveda Johnson</p> <p>1/64 - Joseph V. Dantell</p> <p>1/64 - W. J. Siefert & wife,</p> <p>Ella Siefert</p> <p>3/128 - L. D. Siefert & wife,</p> <p>Almeda Siefert</p> <p>1/32 - Felmont Oil Co.</p>	<p>Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co.</p> <p>10-13-53</p> <p>12-12-53</p> <p>10-13-53</p> <p>10-13-53</p> <p>10-13-53</p> <p>10-13-53</p> <p>10-13-53</p> <p>Unleased</p>	<p>As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation on leased interest (3/4) only</p> <p>See Tract 13 for ownership</p>	<p>See Tract 13 for ownership</p>
13b	T-24-N, R-2-W Sec. 28: SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 29: E $\frac{1}{2}$ SE $\frac{1}{4}$	320.00	<p>1/32 - M. C. Price & wife,</p> <p>June Price</p> <p>1/64 - G. E. Boring</p> <p>1/64 - Erema S. Boring</p> <p>1/64 - Felmont Oil Co.</p> <p>1/1280 - Jane P. Guild</p> <p>1/2560 - M. Dodge</p> <p>1/32 - Wilb & Co.</p> <p>1/128 - C. W. Gillette</p> <p>3/512 - James S. Gardner</p> <p>1/1280 - Augustus P. Loring, III</p>	<p>Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co.</p> <p>11-30-53</p> <p>10-13-53</p> <p>10-13-53</p> <p>Unleased</p> <p>Unleased</p> <p>Unleased</p> <p>Unleased</p> <p>Unleased</p> <p>Unleased</p> <p>Unleased</p>	<p>As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation on leased interest (1/2) only</p> <p>Magnolia Petroleum Co.</p> <p>Delhi-Taylor Oil Corp.</p> <p>Squire Production Co.</p> <p>William G. Webb</p> <p>Frank A. Schultz, Jr.</p>	<p>Gas rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. 1/2</p> <p>Gas rights from base of Pictured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Form: Magnolia Petroleum Co. 1/4</p> <p>Delhi-Taylor Oil Corp. 1/4</p> <p>Oil and Gas rights below top of Dakota Formation: Magnolia Petroleum Co. 3/8</p> <p>Delhi-Taylor Oil Corp. 1/8</p>
14	T-24-N, R-2-W Sec. 10: SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$	240.00		<p>Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co.</p>	<p>As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation</p>	<p>Gas rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. All</p>

Tract No.	Description	No. of Acres	Land Owner and Percentage of Royalty Payable to Lessors and Others	Lessee and Date of Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
14	(Continued)					
		3/64	- A. G. Johnson & wife,			
			Elveda Johnson	2-20-47	On Full Interest	Gas rights from base of Pictured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Formation:
		1/64	- G. E. Borling		Magnolia Petroleum Co.	Magnolia Petroleum Co. 1/2
		1/16	- Fanny J. Hill	9-16-55	Delhi-Taylor Oil Corp.	Delhi-Taylor Oil Corp. 1/2
					3.12500%	Oil and Gas rights below top of Dakota Formation:
					3.12500%	Magnolia Petroleum Co. 1/2
					On One-Half Interest	Delhi-Taylor Oil Corp. 1/2
					Squire Production Co.	Oil and Gas rights below top of Dakota Formation:
					2.96875%	Magnolia Petroleum Co. 3/4
					.15625%	Delhi-Taylor Oil Corp. 1/4
					William G. Webb	
					Frank A. Schultz, Jr.	
					3.12500%	
15	T-25-N, R-3-W Sec. 35: SW 1/4	160.00	1/16 - Ira A. Myers and wife, Juanita H. Myers	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co.	As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation	Gas rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. All Gas rights from base of Pictured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Formation:
			1/32 - John Ehlen	1-20-47	Magnolia Petroleum Co.	rights to top of Dakota Formation:
			1/64 - J. Vincent Daniell		3.12500%	Magnolia Petroleum Co. 1/2
			1/64 - Gus Borling		Delhi-Taylor Oil Corp.	Delhi-Taylor Oil Corp. 1/2
					3.12500%	Oil and Gas rights below top of Dakota Formation:
					Squire Production Co.	Magnolia Petroleum Co. 3/4
					2.96875%	Delhi-Taylor Oil Corp. 1/2
					.15625%	Oil and Gas rights below top of Dakota Formation:
					William G. Webb	Magnolia Petroleum Co. 3/4
					Frank A. Schultz, Jr.	Delhi-Taylor Oil Corp. 1/4
					3.12500%	
16	T-24-N, R-2-W Sec. 18: NE 1/4, N 1/2 SE 1/4, NE 1/4 SW 1/4, Lot 3	315.96	1/8 - R. E. Adams and wife, Edith Adams	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co.	See Tract 15 for Ownership	See Tract 15 for Ownership

Tract No.	Description	No. of Acres	Land Owner and Percentage of Royalty Payable to Lessors and Others	Lessee and Date of Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
17	T-24-N, R-3-W Sec. 9: All	640.00	1/8 - W. O. Hughes and wife, Agatha B. Hughes	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 2-1-47	See Tract 15 for Ownership	See Tract 15 for Ownership
18	T-24-N, R-2-W Sec. 19: NE $\frac{1}{4}$, E $\frac{1}{2}$ NW $\frac{1}{4}$, Lots 1 & 2, (N $\frac{1}{2}$)	311.98	1/16 - Ernest Willis Meharg and wife, Klossie Nell Meharg 1/32 - Mary E. Lance 1/32 - Allen M. Tonkin	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 2-1-47 1-17-48	See Tract 15 for Ownership	See Tract 15 for Ownership
19	T-24-N, R-3-W Sec. 13: N $\frac{1}{2}$ S $\frac{1}{2}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 24: NE $\frac{1}{4}$ NE $\frac{1}{4}$	320.00	1/8 - Ernest Willis Meharg and wife, Klossie Nell Meharg	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 2-1-47	See Tract 15 for Ownership	See Tract 15 for Ownership
20	T-24-N, R-3-W Sec. 33: E $\frac{1}{4}$	320.00	1/8 - Lee D. Dalton	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 2-20-47	See Tract 15 for Ownership	See Tract 15 for Ownership
21	T-24-N, R-2-W Sec. 5: Lots 1,2, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$	326.52	1/16 - Edwin L. Browning and wife, Essie Odessa Browning 1/32 - Albert P. Avant and wife, Jessie Avent 1/64 - G. E. Boring 1/128 - L. A. Nordan 1/128 - Midwest Oil Corp.	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 4-19-49 3-27-47	See Tract 15 for Ownership	See Tract 15 for Ownership

Tract No.	Description	No. of Acres	Land Owner and Percentage of Royalty Payable to Lessors and Others	Lessee and Date of Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
22	T-24-N, R-2-W Sec. 9: W $\frac{1}{2}$	320.00	1/32 - Albert P. Avant & wife, Jessie Avant 1/16 - G. E. Boring 1/64 - L. A. Nordan 1/64 - Midwest Oil Corp.	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Company 3-27-47	See Tract 15 for Ownership	See Tract 15 for Ownership
23	T-25-N, R-3-W Sec. 34: S $\frac{1}{4}$ S $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$	280.00	1/160 - Edgar W. Horn 1/20 - Tenny R. McDowell 3/160 - Cassy Olive Johnson, Juanita Myers and Beecola Stephens 1/40 - Mayme Belle Pepper 1/40 - Mamie Singleton, Chester Singleton, Edward E. Singleton, Lahoma Allen, Bobbie Joe Singleton, Ruby Mae Marcum	Magnolia Petroleum Co., See Tract 15 for Ownership Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 1-20-47 12-14-48 12-14-48	See Tract 15 for Ownership	See Tract 15 for Ownership
24	T-24-N, R-3-W Sec. 11: W $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 14: NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$	320.00	1/8 - Ben Leeson and wife, Gussie Leeson	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 3-28-47	See Tract 15 for Ownership	See Tract 15 for Ownership
					To All Depths Benjamin James Gardner, Lloyd M. Gardner, Martin Luther Gardner, J. M. Anderson and Celta Anderson .500% As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. 3.125% Delhi-Taylor Oil Corp. 3.125% Squire Production Co. 2.850% William G. Webb .150% Frank A. Schultz, Jr. 3.000%	

Tract No.	Description	No. of Acres	Land Owner and Percentage of Royalty Payable to Lessors and Others	Lessee and Date of Lease	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
25	T-24-N, R-2-W Sec. 21: N $\frac{1}{2}$, except the land described under Tract 25a	318.00	1/16 - T. W. Stevenson & wife, Vivian M. Stevenson 1/32 - E. B. McFarlin 1/32 - Felmont Oil Co.	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 5-24-47	See Tract 15 for Ownership	See Tract 15 for Ownership
25a	T-24-N, R-2-W A portion of the NE $\frac{1}{4}$ of Sec. 21, T-24-N, R-2-W, N.M.P.M. described as follows: Beginning at the Southeast corner of the Northeast quarter of Sec. 21, THENCE West 5.517 rods; THENCE North 58 rods; THENCE East 5.517 rods; THENCE South 58 rods to the point of beginning.	2.00	G. D. Grigsby & wife, Maude H. Grigsby	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 11-26-49	As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp.	See Tract 15 for Ownership 3.125% 3.125%
26	T-24-N, R-3-W Sec. 12: NE $\frac{1}{4}$	160.00	Rex L. Clinkenbeard, T. J. Clinkenbeard, Rosalie Rienlets, Eva Blanche Austin, Clifford L. Clinkenbeard, Hal H. Clinkenbeard, Vera C. Doud	Unleased		
27	T-24-N, R-3-W Sec. 12: E $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$	160.00	Horace F. McKay, Jr. & wife, Elmyra K. McKay	Magnolia Petroleum Co., Delhi-Taylor Oil Corp., & El Paso Natural Gas Co. 4-19-48	See Tract 15 for Ownership	See Tract 15 for Ownership
28	T-24-N, R-2-W Sec. 5: W $\frac{1}{2}$	326.44	Curtis Evans, O. C. Evans, Henry Evans, D. A. Evans	Wilson Oil Company 9-9-55	None	Wilson Oil Co. A11

TOTAL PATENTED LANDS 5799.90

Tract No.	Description	No. of Acres	State No. and Lease Date	Land Owner Percentage of Royalty	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
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STATE LANDS

29	T-25-N, R-2-W Sec. 32: SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	E-1214-6 2-19-47	State of New Mexico 12 $\frac{1}{2}$ % All	Magnolia Petroleum Co.	To All Depths Ben Dansby Until \$50.00/acre has been recovered As to gas and associated liquid hydrocarbons to base of Pictured Cliffs Formation Magnolia Petroleum Co. Delhi-Taylor Oil Corp.	10.9375% 3.1250% 3.1250%	Gas rights to base of Pictured Cliffs Formation: El Paso Natural Gas Co. All Gas rights from base of Pic- tured Cliffs Formation to top of Dakota Formation and Oil rights to top of Dakota Formation: Magnolia Petroleum Co. 1/2 Delhi-Taylor Oil Co. 1/2 Oil and Gas rights below top of Dakota Formation: Magnolia Petroleum Co. 3/4 Delhi-Taylor Oil Corp. 1/4
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TOTAL STATE LANDS 40.00

TOTAL LANDS IN LINDRITH UNIT AREA - 28,500.39 acres

R E C A P I T U L A T I O N

Federal Lands 22,659.49 acres

State Lands 40.00 acres

Fee Lands 5,800.90 acres

Total Number of Acres in
Lindrith Unit Area 28,500.39 acres