

Case No.

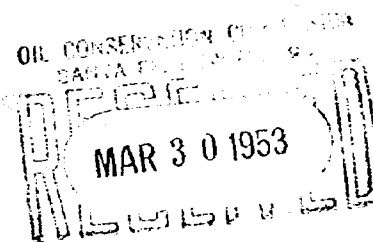
520

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

Santa Fe, New Mexico
March 17, 1953

TRANSCRIPT OF HEARING
CASE NO. 520



ADA DEARNLEY & ASSOCIATES
COURT REPORTERS
ROOM 12, CROMWELL BLDG.
PHONES 7-9645 AND 5-8546
ALBUQUERQUE, NEW MEXICO

BEFORE THE
OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

Santa Fe, New Mexico
March 17, 1953.

In the Matter of:

Application of Culbertson & Irwin, Inc., for
approval of an unorthodox location for its
Vosburg Well No. 2, said location being 295
feet North of the South line and 991.4 feet
West of the East line of 18-25S-37E, Langlie-
Mattix, Lea County.

Case No. 520

TRANSCRIPT OF HEARING

(Notice of Publication read by Mr. Graham.)

MR. McKENNA: I am Thomas Seth McKenna, engineer for
Southern California Petroleum Corporation. I would like to move
that the application be amended to show the joinder of Southern
California Petroleum Corporation as co-applicant and as joining
in the application. The property involved in this hearing is
now under sale to the Southern California Petroleum Corporation.

JAMES WARREN,

having been first duly sworn, testified as follows:

DIRECT EXAMINATION

By MR. McKENNA:

Q Will you state your name, please?

A James Warren.

Q What is your position with Southern California Petroleum
Corporation?

A Division Engineer for Texas-New Mexico operations.

Q Will you state to the Commission your qualifications?

A I have a Bachelor of Science Degree in Petroleum Engineering from the University of California, 1941 and have worked for six years in drilling and production in California fields and one year in Texas-New Mexico.

Q Have you worked with any other oil company than Southern California Petroleum Corporation?

A Yes, for the first five years I worked for M. H. Whittier Company in California.

Q Have you testified before this Commission?

A No, sir.

MR. MCKENNA: Will the Commission accept the qualifications?

MR. SPURRIER: It will.

Q Are you familiar with the application, Mr. Warren, of Vosburg No. 2?

A Yes.

Q Is this well now a producing well?

A Yes, it is.

Q I hand you this plat which has been marked as Exhibit No. 1. Will you state whether or not this plat has been prepared at your direction?

A Yes, it has.

Q Can you state the location of Vosburg No. 2?

A Vosburg No. 2 is 991.4 feet west and 295 feet north of the southeast corner of the Section 18.

Q Is there any offset well to Vosburg No. 2?

A No, not a direct offset.

Q What well does exist in Section 19?

A There is a proposed well in Section 19, which would be a southerly offset.

Q What well is that?

A Leonard Oil Company.

Q Have they been notified of this application?

A They have.

Q Have you received any communication from the Leonard Oil Company regarding this application for the Vosburg No. 2?

A Yes, we have a letter. They waive any objection to it, to this location.

Q Would you state to the Commission the reason for the unorthodox location of Vosburg No. 2, which is a producing well?

A That was a surveying error. We have the affidavit which the surveyor who staked both Vosburg No. 1 and 2 made.

Q Mr. Warren, I hand you Exhibit No. 2, will you tell the Commission what Exhibit No. 2 is?

A Exhibit 2 is the affidavit by John West, a professional engineer and surveyor, working at Hobbs, New Mexico.

Q Is he the one who did the surveying for Vosburg No. 2?

A Yes.

Q Did you secure the affidavit from Mr. West at our request and at our direction?

A Yes.

Q Would you read to the Commission the paragraphs as marked, three, four, five and six of that affidavit?

A "This location was made from the U.S.G.L.O. markers at the northwest corner and the north quarter corner of section 18; the U.S.G.L.O. markers on the south and east sides of the section had

either been destroyed or buried in the county road.

September 26, 1952, after the No. 1 well had been drilled, I staked the No. 2 well in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ of the same section 18. Since we chained the 2970.0 feet from the north line for the No. 1 well we just chained on south 1980 feet from it and West 660 feet for the No. 2 well.

January 24, 1953, after Mr. W. A. Lyons, vice president of Culbertson & Irwin, Inc., had called my attention to the fact that some other surveyor had reported the number two well not properly located, I made a recheck. I started back at the markers on the north side of the section and checking the No. 1 well first. At 2970 feet from the north and 330.0 feet from the east lines of the section I found the east offset stake from the well I had staked but the well was drilled south 35 feet. When we checked in on No. 2 it was 1980 feet south of the No. 1 well as it had been drilled, but not as it had been staked. This made it only 295 feet from the south line of the section.

In my opinion, one of the golfers at the Jal Golf Club saw that the location was staked near a green and also near the left side of two fairways and just moved my stake south the 35 feet before the dirt contractor came to dig the pits. As a result we have two wells 35 feet south of the location they were intended."

Q In other words, it is the opinion of the licensed surveyor that one of the golf players objected to having an extra hole in the rough?

A Yes.

Q Has Southern California Petroleum Company been the operator

for Culbertson-Irwin since approximately February, 1952?

A Yes.

Q When did you discover this error in surveying?

A Just in January, it was early in January of this year.

Q You folks were in good faith and did not know that the location was unorthodox?

A No, we thought both wells had been drilled as they were filed with the Commission.

MR. McKENNA: I would like to offer Exhibit 1 and Exhibit 2, which is the affidavit in evidence.

MR. SPURRIER: Without objection they will be received. Anyone have a question of the witness? If not the witness may be excused.


(Witness excused.)

MR. SPURRIER: Any further comments in the case? The case will be taken under advisement.

STATE OF NEW MEXICO)
 : SS.
COUNTY OF BERNALILLO)

I, ADA DEARNLEY, hereby certify that the above and foregoing transcript of proceedings in Case No. 520, taken before the Oil Conservation Commission on March 17, 1953, at Santa Fe, New Mexico, is a true and correct record.

Dated in Albuquerque, New Mexico, this 25th day of March, 1953.


Notary Public

My Commission Expires:
June 19, 1955.

ADA DEARNLEY & ASSOCIATES
COURT REPORTERS
ROOM 105-106, EL CORTEZ BLDG.
PHONES 7-9645 AND 5-9546
ALBUQUERQUE, NEW MEXICO
-5-

Case 520

THOMAS F. MCKENNA
ATTORNEY-AT-LAW
ROOMS 136-137 SENA PLAZA
SANTA FE, NEW MEXICO

February 17, 1953

Oil Conservation Commission
Santa Fe, New Mexico

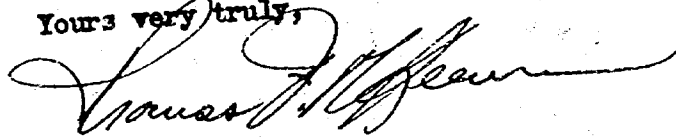
Dear Mr. Spurrier:

Re: Application of Culbertson
& Irwin, Inc. Vosburg No. 2
for Approval of Unorthodox
Location, March Hearing

Enclosed herewith please find an original and two copies of
an affidavit by John W. West, the licensed surveyor who
surveyed the location for Vosburg No. 2.

Can you kindly place this with the application already filed.

Yours very truly,



Thomas F. McKenna

TMCK:GH
Encs.

AFFIDAVIT

STATE OF NEW MEXICO)

COUNTY OF LEA) ss

I, JOHN W. WEST, Professional Engineer and Land Surveyor, Hobbs, New Mexico, after first being duly sworn on oath, state:

July 12, 1952, I made a survey to stake the location for Culbertson & Irwin, Inc. to drill their Vosburg Lease, Well No. 1 in the center of the NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18, Twp. 25 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

This location was made from the U.S.G.L.O. markers at the northwest corner and the north quarter corner of section 18; the U.S.G.L.O. markers on the south and east sides of the section had either been destroyed or buried in the county road.

September 26, 1952, after the No. 1 well had been drilled, I staked the No. 2 well in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of the same section 18. Since we chained the 2970.0 feet from the north line for the No. 1 well we just chained on south 1980 feet from it and West 660 feet for the number 2 well.

January 24, 1953, after Mr. W. A. Lyons, vice president of Culbertson & Irwin, Inc., had called my attention to the fact that some other surveyor had reported the number two well not properly located, I made a recheck. I started back at the markers on the north side of the section and checking the No. 1 well first. At 2970 feet from the north and 330.0 feet from the east lines of the section I found the east offset stake from the well I had staked but the well was drilled south 35 feet. When we checked in on No. 2 it was 1980 feet south of the No. 1 well as it had been drilled, but not as it had been staked. This made it only 295 feet from the south line of the section.

In my opinion, one of the golfers at the Jal Golf Club saw that the location was staked near a green and also near the left side of two fairways and just moved my stake south the 35 feet before the dirt contractor came to dig the pits. As a result we have two wells 35 feet south of the location they were intended.

I hereby certify that the surveys described above were made by me in the manner described and that they are true and correct to the best of my knowledge and belief.


John W. West

Subscribed and sworn to before me this 16th day of February, 1953.

SEAL

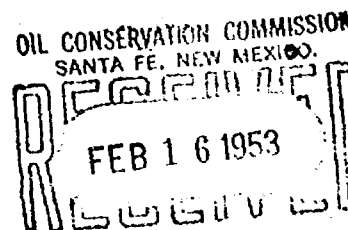
My Commission Expires:

Aug 28 - 1956


Notary Public

Case 520

BEFORE THE OIL CONSERVATION COMMISSION
of the
STATE OF NEW MEXICO



IN THE MATTER OF THE APPLICATION OF
CULBERTSON & IRWIN, INC., FOR AN
ORDER AUTHORIZING THE LOCATION
UNORTHODOX TO RULE 104 OF ITS
VOSEBURG NO. 2 WELL IN THE LANGLEY-
MATTIX POOL LOCATED IN THE SE $\frac{1}{4}$ SE $\frac{1}{4}$
SECTION 18, TOWNSHIP 25 SOUTH,
RANGE 37 EAST, NMPM, LEA COUNTY,
NEW MEXICO

Comes now, Culbertson & Irwin, Inc., a New Mexico corporation, operating in New Mexico from its office in Midland, Texas, and respectfully makes application to the Oil Conservation Commission of the State of New Mexico for an order authorizing the unorthodox location of its Vosburg No. 2, a producing well, located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, Township 25 South, Range 37 East, NMPM, location footage of such well being 295 feet from the South and 991.4 feet from the East lines of said Section 18.

In support of its application applicant states:

1. That, in good faith, the applicant believed and had originally stated to the Oil Conservation Commission, Form C-101, dated September 29, 1952, that the location of its Vosburg No. 2 now producing was orthodox and in conformity with Rule 104;
2. That, through an unintentional and unknown error in surveying, said location of its Vosburg No. 2 is in fact located 295 feet from the South and 991.4 from the East lines of said Section 18;
3. That such unintentional and previously unknown error in surveying has now just been brought to the attention and knowledge of the applicant;
4. That the applicant submits herewith a certified plat of the actual location of its Vosburg No. 2, prepared by John W. West, Professional and Licensed Engineer and Land Surveyor.

WHEREFORE, the applicant respectfully requests that the Commission set this application for public hearing at the March 1953 hearing of the Commission and that due and proper notice be given as required by law, and that the Commission after hearing issue its order granting the application for and authorizing the unorthodox location of well Vosburg No. 2 as set out and requested in the first paragraph herein.

Done at Midland, Texas, on this 10th day of February, 1953.

CULBERTSON & IRWIN, INC.

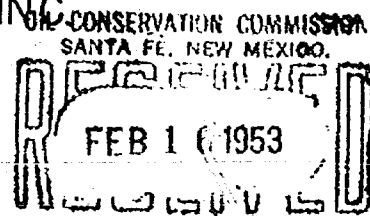
By W. W. Lyons, Vice Pres.

Address 901 Mc Clintic Bldg, Midland, Texas

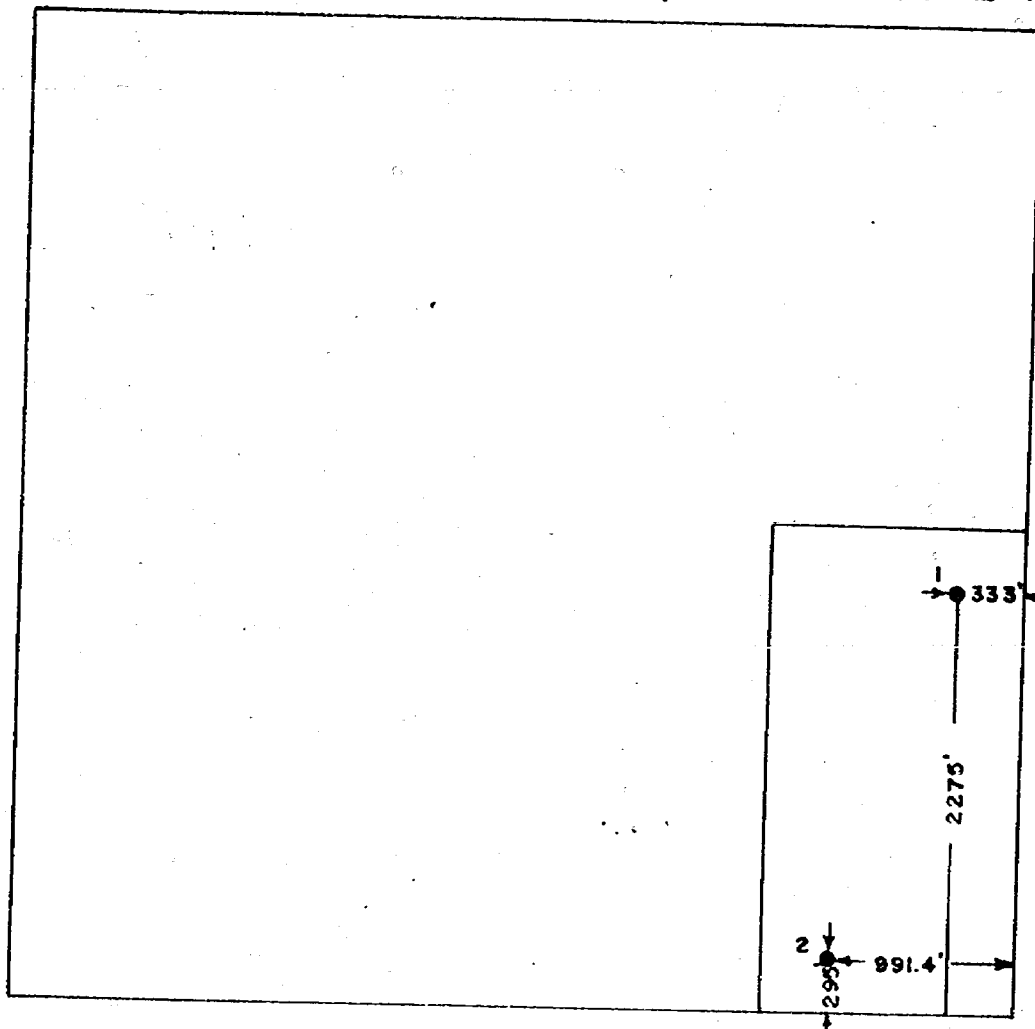
Application and certified plat submitted in triplicate

CORRECTED LOCATION SURVEY PLAT

OPERATOR CULBERTSON & IRWIN, INC.
LEASE VOSBURG
WELL NOS. 1 & 2



SEC. 18, TWP 25 SOUTH, RANGE 37 EAST, NMPM.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE
FROM NOTES TAKEN IN THE FIELD BY ME IN
AN ACTUAL VONA FIDE SURVEY AND THAT THE
SAME IS TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

John W. West

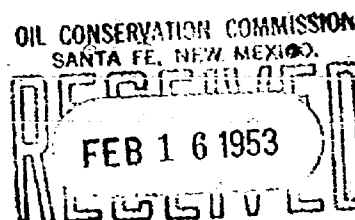
JOHN W. WEST

JAN. 26, 1953

Case 520

THOMAS F. MCKENNA
ATTORNEY-AT-LAW
ROOMS 136-137 SENA PLAZA
SANTA FE, NEW MEXICO

February 16, 1953



Oil Conservation Commission
Santa Fe, New Mexico

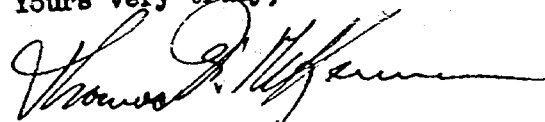
Dear Mr. Spurrier:

Re: Application for Unorthodox
Location, Culbertson & Irwin,
Inc. Vosburg No. 2

Please find enclosed application and certified plat in triplicate,
relative to the petition for the unorthodox location of Culbertson
& Irwin, Inc. Vosburg No.2.

It will be appreciated if this will be set for the March hearing.

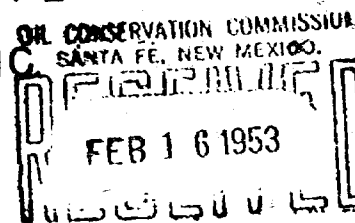
Yours very truly,



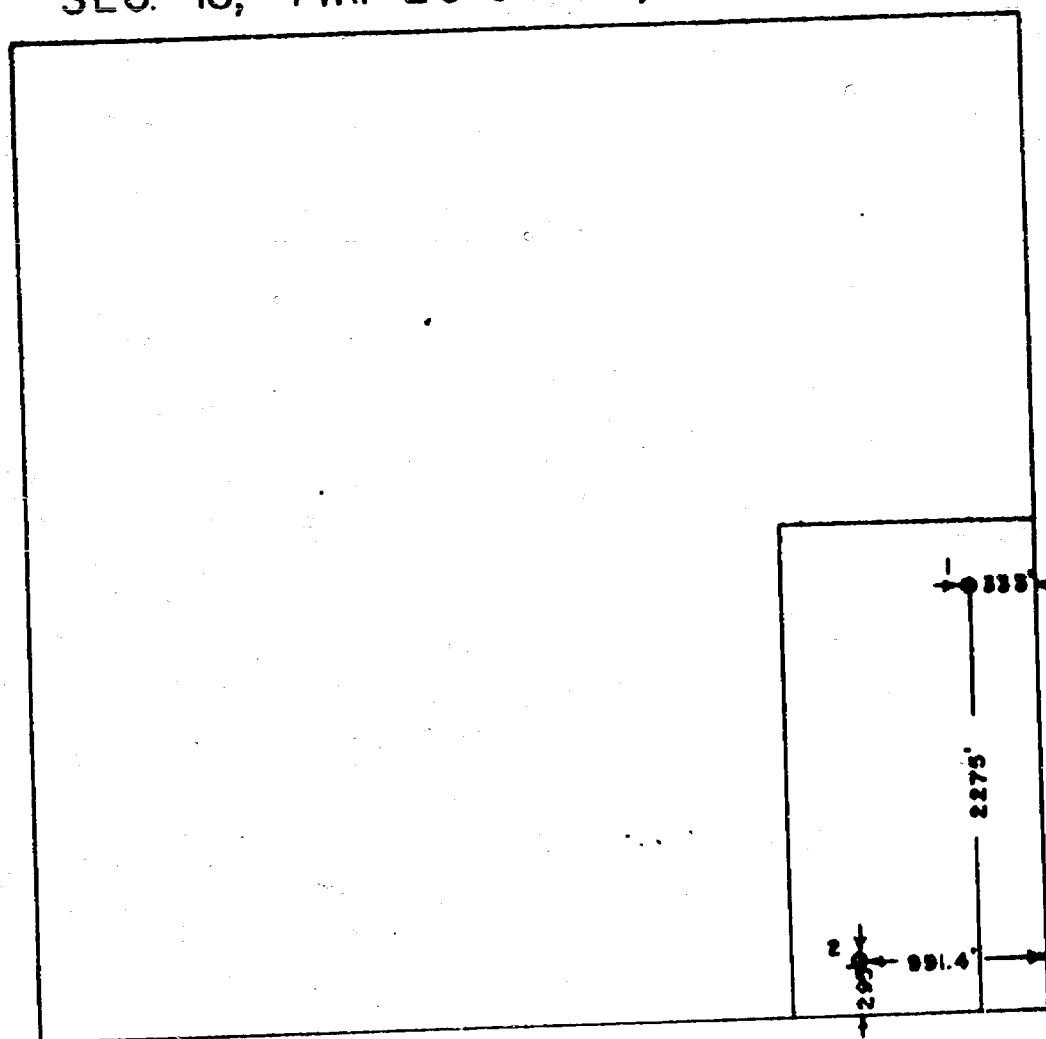
Thomas F. McKenna

TMCK:GH
Encs.

CORRECTED LOCATION SURVEY PLAT
OPERATOR CULBERTSON & IRWIN, INC.
LEASE VOSBURG
WELL NOS. 1 & 2



SEC. 18, TWP 25 SOUTH, RANGE 37 EAST, NMPM.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE
FROM NOTES TAKEN IN THE FIELD BY ME IN
AN ACTUAL SURVEY AND THAT THE
SAME IS TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

John W. West
JOHN W. WEST

JAN 26, 1953

THOMAS F. MCKENNA
ATTORNEY-AT-LAW
ROOMS 136-137 SENA PLAZA
SANTA FE, NEW MEXICO

March 17, 1953

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

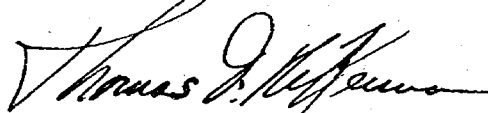
Dear Mr. Spurrier:

Re: Case No. 520, March 17, 1953
Hearing

Enclosed herewith please find a proposed order in triplicate covering the above case, being the application of Culbertson & Irwin, Inc. and Southern California Petroleum Corporation for an order authorizing the unorthodox location of its Vosburg No. 2.

Thank you.

Yours very truly,


Thomas F. McKenna

TMCK:GH
Enc.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR THE
PURPOSE OF CONSIDERING:

CASE No. 520

THE APPLICATION OF GULBERTSON & IRWIN,
INC. (AMENDED TO INCLUDE SOUTHERN
CALIFORNIA PETROLEUM CORPORATION AS A
JOINT AND CO-APPLICANT) FOR AN ORDER
AUTHORIZING THE LOCATION UNORTHODOX
TO RULE 104 OF VOSBURG NO. 2 WELL IN
THE LANGLE-MATTIX POOL LOCATED IN THE
SE $\frac{1}{4}$ SE $\frac{1}{4}$, SECTION 18, TOWNSHIP 25 SOUTH,
RANGE 37 EAST, NMPM, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 17, 1953, at
Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico,
hereinafter referred to as the "Commission".

NOW, on this _____ day of _____, 1953, the Commission, a
quorum being present, having considered the testimony adduced and the exhibits
received at said hearing, and being fully advised in the premises,

FINDS:

1. That due notice having been given as required by law, the
Commission has jurisdiction of this cause and the subject matter thereof.

2. That pursuant to an oral motion made, leave was given by the
Commission to amend the application to show Southern California Petroleum
Corporation, a California corporation, as joining in the application as a co-
applicant with Culbertson & Irwin, Inc.

3. That Culbertson & Irwin, Inc. was the owner of Vosburg No. 2 and
an oil and gas lease covering the SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 18, Township 25 South, Range
37 East, NMPM, New Mexico; that such property is under a contract of sale to
Southern California Petroleum Corporation, the co-applicant.

4. That there is presently located on the said tract the Vosburg No.
2, a producing well in the Langlie-Mattix Pool.

5. That the applicant Southern California Petroleum Corporation has
been the operator of the Vosburg No. 2.

6. That the applicants have always believed, and in good faith, that
the Vosburg No. 2 was orthodox as to location and in conformity with Rule 104
of the Commission.

7. That through an unintentional error in surveying, unknown until
just recently to the applicants, said location of the Vosburg No. 2 is in fact
located 295 feet from the south and 991.4 feet from the east lines of said Sec-
tion 18.

8. That such unintentional and previously unknown error in surveying
has just recently been brought to the attention and knowledge of the applicants.

9. That the unorthodox location is not adverse to the interests of conservation and prevention of waste, and will not affect the correlative rights of any other oil and gas lease owners or any offset operator, royalty owners or lease owners owning or holding oil and gas leases or interests therein embracing lands contiguous to the land described herein.

IT IS THEREFORE ORDERED:

1. That the application of Culbertson & Irwin, Inc., as amended during the course of the hearing to add Southern California Petroleum Corporation as a co-applicant, for an order authorizing and approving the location of the Vosburg No. 2 well, located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, Township 25 South, Range 37 East NMPM, New Mexico, 295 feet from the south and 991.4 feet from the east lines of said Section 18, be and the same hereby is approved.

2. That the unorthodox location herein approved shall not prevent the applicants from producing from the Vosburg No. 2 the top unit allowable as fixed by the Commission for the Langlie-Mattix Pool.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 520
ORDER No. R-289

THE APPLICATION OF CULBERTSON
AND IRWIN, INC. (AMENDED TO INCLUDE
SOUTHERN CALIFORNIA PETROLEUM
CORPORATION AS A JOINT AND CO-APPLICANT)
FOR AN ORDER AUTHORIZING THE LOCATION
UNORTHODOX TO RULE 104 OF VOSBURG NO. 2
WELL IN THE LANGLEIE-MATTIX POOL LOCATED
IN THE SE/4 SE/4, SECTION 18, TOWNSHIP 25
SOUTH, RANGE 37 EAST, NMPM, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a. m. on March 17, 1953, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this ¹⁸27 day of *MARCH*, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

1. That due notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
2. That pursuant to an oral motion made, leave was given by the Commission to amend the application to show Southern California Petroleum Corporation, a California corporation, as joining in the application as a co-applicant with Culbertson & Irwin, Inc.
3. That Culbertson & Irwin, Inc., was the owner of Vosburg No. 2 and an oil and gas lease covering the SE/4 SE/4, Section 18, Township 25 South, Range 37 East, NMPM, New Mexico; that such property is under a contract of sale to Southern California Petroleum Corporation, the co-applicant.
4. That there is presently located on the said tract the Vosburg No. 2, a producing well in the Langlie-Mattix Pool.
5. That the applicant Southern California Petroleum Corporation has been the operator of the Vosburg No. 2.
6. That the applicants have always believed, and in good faith, that the Vosburg No. 2 was orthodox as to location and in conformity with Rule 104 of the Commission.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 520
ORDER No. R-289

THE APPLICATION OF CULBERTSON
AND IRWIN, INC. (AMENDED TO INCLUDE
SOUTHERN CALIFORNIA PETROLEUM
CORPORATION AS A JOINT AND CO-APPLICANT)
FOR AN ORDER AUTHORIZING THE LOCATION
UNORTHODOX TO RULE 104 OF VOSBURG NO. 2
WELL IN THE LANGLEY-MATTIX POOL LOCATED
IN THE SE/4 SE/4, SECTION 18, TOWNSHIP 25
SOUTH, RANGE 37 EAST, NMPM, LEA COUNTY,
NEW MEXICO.

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4. That there is presently located on the said tract the Vosburg No. 2, a producing well in the Langlie-Mattix Pool.
5. That the applicant Southern California Petroleum Corporation has been the operator of the Vosburg No. 2.
6. That the applicants have always believed, and in good faith, that the Vosburg No. 2 was orthodox as to location and in conformity with Rule 104 of the Commission.

Case No. 520
Order No. R-289

7. That through an unintentional error in surveying, unknown until just recently to the applicants, said location of the Vosburg No. 2 is in fact located 295 feet from the south and 991.4 feet from the east lines of said Section 18.

8. That such unintentional and previously unknown error in surveying has just recently been brought to the attention and knowledge of the applicants.

9. That the unorthodox location is not adverse to the interests of conservation and prevention of waste, and will not affect the correlative rights of any other oil and gas lease owners of any offset operator, royalty owners or lease owners owning or holding oil and gas leases or interests therein embracing lands contiguous to the land described herein.

IT IS THEREFORE ORDERED:

1. That the application of Culbertson & Irwin, Inc., as amended during the course of the hearing to add Southern California Petroleum Corporation as a co-applicant, for an order authorizing and approving the location of the Vosburg No. 2 well, located in the SW/4 SE/4 SE/4 of Section 18, Township 25 South, Range 37 East, NMPM, New Mexico 295 feet from the south and 991.4 feet from the east lines of said Section 18, be and the same hereby is approved.


2. That the unorthodox location herein approved shall not prevent the applicants from producing from the Vosburg No. 2 the top unit allowable as fixed by the Commission for the Langlie-Mattix Pool.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


EDWIN L. MECHEM, Chairman

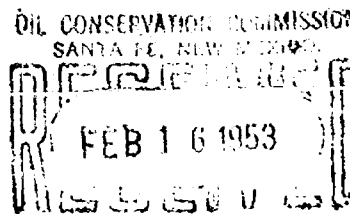

E. S. WALKER, Member


R. R. SPURRIER, Secretary

S E A L

Cue 520

BEFORE THE OIL CONSERVATION COMMISSION
of the
STATE OF NEW MEXICO



IN THE MATTER OF THE APPLICATION OF
GULBERTSON & IRWIN, INC., FOR AN
ORDER AUTHORIZING THE LOCATION
UNORTHODOX TO RULE 104 OF ITS
VOSBURG NO. 2 WELL IN THE LANGLEY-
MATTIX POOL LOCATED IN THE SE $\frac{1}{4}$ SE $\frac{1}{4}$
SECTION 18, TOWNSHIP 25 SOUTH,
RANGE 37 EAST, NMPM, LEA COUNTY,
NEW MEXICO

Comes now, Gulbertson & Irwin, Inc., a New Mexico corporation, operating in New Mexico from its office in Midland, Texas, and respectfully makes application to the Oil Conservation Commission of the State of New Mexico for an order authorizing the unorthodox location of its Vosburg No. 2, a producing well, located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, Township 25 South, Range 37 East, NMPM, location footage of such well being 295 feet from the South and 991.4 feet from the East lines of said Section 18.

In support of its application applicant states:

1. That, in good faith, the applicant believed and had originally stated to the Oil Conservation Commission, Form C-101, dated September 29, 1952, that the location of its Vosburg No. 2 now producing was orthodox and in conformity with Rule 104;
2. That, through an unintentional and unknown error in surveying, said location of its Vosburg No. 2 is in fact located 295 feet from the South and 991.4 from the East lines of said Section 18;
3. That such unintentional and previously unknown error in surveying has now just been brought to the attention and knowledge of the applicant;
4. That the applicant submits herewith a certified plat of the actual location of its Vosburg No. 2, prepared by John W. West, Professional and Licensed Engineer and Land Surveyor.

WHEREFORE, the applicant respectfully requests that the Commission set this application for public hearing at the March 1953 hearing of the Commission and that due and proper notice be given as required by law, and that the Commission after hearing issue its order granting the application for and authorizing the unorthodox location of well Vosburg No. 2 as set out and requested in the first paragraph herein.

Done at Midland, Texas, on this 10th day of February, 1953.

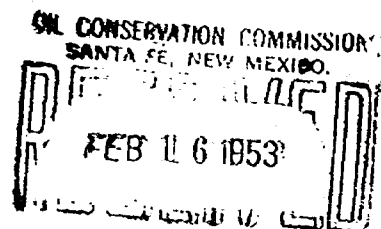
GULBERTSON & IRWIN, INC.

By W. H. Lyons, Vice Pres.

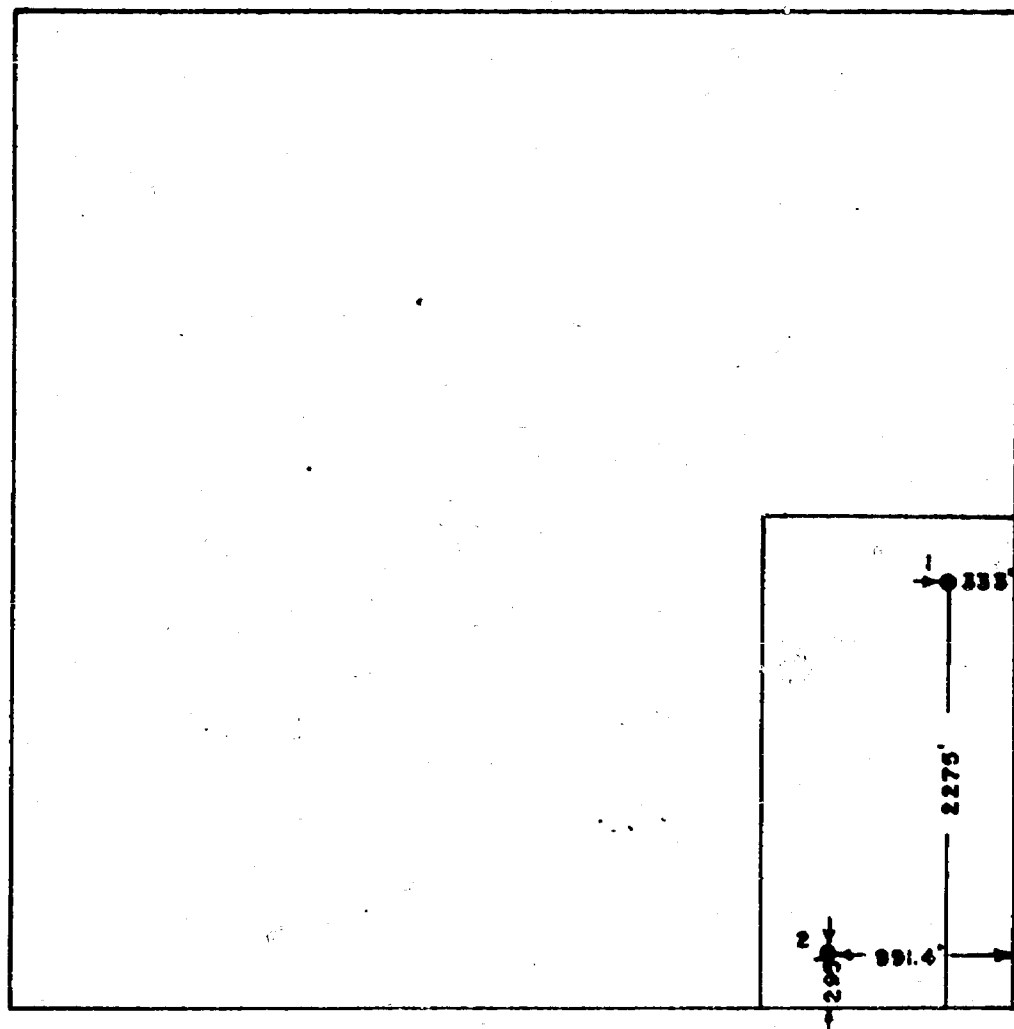
Address 901 McClintic Bldg, Midland, Texas

Application and certified plat submitted in triplicate

CORRECTED LOCATION SURVEY PLAT
OPERATOR CULBERTSON & IRWIN, INC.
LEASE VOSBURG
WELL NOS. 1 & 2



SEC. 18, TWP. 25 SOUTH, RANGE 37 EAST, NMPM.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE
FROM NOTES TAKEN IN THE FIELD BY ME IN
AN ACTUAL SURVEY AND THAT THE
SAME IS TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West
JOHN W. WEST

JAN 26, 1953

Case 520

AFFIDAVIT

STATE OF NEW MEXICO)

COUNTY OF LEA)

ss

I, JOHN W. WEST, Professional Engineer and Land Surveyor, Hobbs, New Mexico, after first being duly sworn on oath, state:

July 12, 1952, I made a survey to stake the location for Culbertson & Irwin, Inc. to drill their Mosburg Lease, Well No. 1 in the center of the ~~NE 1/4~~ ^{SE 1/4} Sec. 18, Twp. 25 South, Range 37 East, N.M.P.M., Lea County, New Mexico.

This location was made from the U.S.G.L.O. markers at the northwest corner and the north quarter corner of section 18; the U.S.G.L.O. markers on the south and east sides of the section had either been destroyed or buried in the county road.

September 26, 1952, after the No. 1 well had been drilled, I staked the No. 2 well in the ~~SW 1/4~~ ^{SE 1/4} of the same section 18. Since we chained the 2970.0 feet from the north line for the No. 1 well we just chained on south 1980 feet from it and West 660 feet for the number 2 well.

January 24, 1953, after Mr. W. A. Lyons, vice president of Culbertson & Irwin, Inc., had called my attention to the fact that some other surveyor had reported the number two well not properly located, I made a recheck. I started back at the markers on the north side of the section and checking the No. 1 well first. At 2970 feet from the north and 330.0 feet from the east lines of the section I found the east offset stake from the well I had staked but the well was drilled south 35 feet. When we checked in on No. 2 it was 1980 feet south of the No. 1 well as it had been drilled, but not as it had been staked. This made it only 295 feet from the south line of the section.

In my opinion, one of the golfers at the Jal Golf Club saw that the location was staked near a green and also near the left side of two fairways and just moved my stake south the 35 feet before the dirt contractor came to dig the pits. As a result we have two wells 35 feet south of the location they were intended.

I hereby certify that the surveys described above were made by me in the manner described and that they are true and correct to the best of my knowledge and belief.

/s/ John W. West
John W. West

Subscribed and sworn to before me this 16th day of February, 1953.

SEAL
(Seal)

My Commission Expires:

Aug. 28 - 1956

/s/ H. B. Frederick
Notary Public

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 673
Order No. R-520

THE APPLICATION OF THE OIL CONSERVATION
COMMISSION UPON ITS OWN MOTION FOR AN
ORDER AMENDING, REVISING OR ABROGATING
EXISTING RULES AND REGULATIONS OF THE
OIL CONSERVATION COMMISSION, AND/OR
PROMULGATING RULES AND REGULATIONS,
RELATING TO GAS POOL DELINEATION, GAS
PRORATION, AND OTHER RELATED MATTERS,
AFFECTING OR CONCERNING THE JALCO,
LANGMAT, EUMONT, AND ARROW GAS POOLS,
LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m., on March 17, 1954, April 15, 1954, May 10, 1954, and May 11, 1954, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this 12th. day of August, 1954, the Commission, a quorum being present, having considered the records and testimony adduced and being fully advised in the premises,

FINDS:

- (1) That due notice of the time and place of hearing and the purpose thereof having been given as required by law, the Commission has jurisdiction of this case and the subject matter thereof.
- (2) That under date of February 17, 1953, the Commission issued its Order No. R-264 creating the Jalco, Langmat, Arrow, and Eumont Gas Pools. That Order R-264 defined the vertical and horizontal limits of the Langmat, Jalco, Eumont and Arrow gas pools and that by subsequent orders the Commission extended the horizontal limits of the Jalco and Eumont Gas Pools and extended the vertical limits of the Eumont Gas Pool.
- (3) That under date of September 28, 1953, the Commission issued its Orders Nos. R-368, R-369, R-370 and R-371 and under date of November 10, 1953, the Commission issued its Orders Nos. R-368-A, R-369-A, R-370-A and R-371-A, providing rules, definitions and procedures to be followed in prorating gas in the Jalco,

Langmat, Eumont and Arrow gas pools; and by subsequent orders issued after due notice and hearing, the Commission allocated production of gas in said pools commencing January 1, 1954.

(4) That the Eumont and Arrow Gas Pools are separate gas reservoirs and should be defined vertically and horizontally as set forth in this order; that the Jalco and Langmat Gas Pools are in fact one common gas reservoir, and said reservoir should be designated the "Jalmat Gas Pool" and delineated as set forth in this order.

(5) That the producing capacity of the gas wells in the Jalmat, Eumont and Arrow Gas Pools is greater than the market demand for gas from each of such pools.

(6) That for the prevention of waste it is necessary to allocate and prorate the gas production among the gas wells in the Jalmat, Eumont and Arrow Gas Pools in accordance with provisions of this order.

(7) That the protection and proper recognition of correlative rights as such rights are defined by Section 26 (h) Chapter 168, New Mexico Session Laws of 1949, require that the gas production from the Jalmat, Eumont and Arrow gas pools be prorated in accordance with the terms and provisions of this order.

(8) That the Rules and Regulations hereinafter set forth in this order are in all respects in the interests of conservation and provide for the allocation of the allowable production among the gas wells in the Jalmat, Eumont and Arrow gas pools upon a reasonable basis and give appropriate recognition to correlative rights.

(9) That one gas well in the Jalmat, Eumont and Arrow Gas Pools can efficiently drain 640 acres.

(10) That for the prevention of waste, a limiting gas-oil ratio of 10,000-to-1 should be assigned to the units in the following pools, namely: Cooper-Jal Oil Pool, Langlie-Mattix Oil Pool, South Eunice Oil Pool, Penrose-Skelly Oil Pool, Leonard Oil Pool, South Leonard Oil Pool, Hardy Oil Pool, Rhodes Oil Pool, Jalmat Gas Pool, Arrow Gas Pool and Eumont Gas Pool.

(11) To prevent waste, the vertical limits of the following oil pools namely: Eunice-Monument Oil Pool, Arrowhead Oil Pool, South Eunice Oil Pool, Langlie-Mattix Oil Pool, Cooper-Jal Oil Pool, Rhodes Oil Pool, Eaves Oil Pool, Hardy Oil Pool, Penrose-Skelly Oil Pool, Leonard Oil Pool, South Leonard Oil Pool, should be redefined as provided hereinafter in this order so that the vertical limits of the said oil pools will not conflict with the vertical limits of overlying gas pools.

(12) That the horizontal limits of the oil pools named in Finding No. 11 should be defined as hereinafter set forth in this order.

(13) That the Falby-Yates Oil Pool should be abolished.

(14) That in the interests of conservation, the special rules hereinafter set forth governing the production of oil from wells completed within the vertical and horizontal limits of the Jalmat, Eumont and Arrow gas pools should be adopted.

(15) That for the prevention of waste and the protection of correlative rights, the special rules contained in this order should be adopted to govern the production of oil from wells completed or recompleted in such a manner that the bore hole of the well is open in both the upper gas pools and the underlying oil pools.

(16) That for the prevention of waste a "no-flare" rule should be adopted to prohibit the flaring, venting, or wasting of casinghead gas or any other type of gas in any of the gas or oil pools referred to and affected by this order.

IT IS THEREFORE ORDERED:

(1) That the Jalmat Gas Pool be and the same hereby is created. The vertical limits of the Jalmat Gas Pool shall extend from the top of the Tansill formation to a point 100 feet above the base of the Seven Rivers formation, thereby including all of the Yates formation. The horizontal limits of the Jalmat Gas Pool shall be the area as described in Exhibit "A" attached hereto and made a part hereof.

(2) That the vertical limits of the Eumont Gas Pool, heretofore created, shall extend from the top of the Yates formation to the base of the Queen formation, thereby including all of the Yates, Seven Rivers and Queen formations. The horizontal limits of the Eumont Gas Pool shall be the area as described in Exhibit "B" attached hereto and made a part hereof.

(3) That the vertical limits of the Arrow Gas Pool, heretofore created, shall extend from the top of the Yates formation to the base of the Queen formation, thereby including all of the Yates, Seven Rivers and Queen formations. The horizontal limits of the Arrow Gas Pool shall be the area as described in Exhibit "C" attached hereto and made a part hereof.

(4) That the vertical limits of the Eunice-Monument Oil Pool, heretofore created, shall include all of the Grayburg and San Andres formations. The horizontal limits of the Eunice-Monument Oil Pool shall be the area as described in Exhibit "D" attached hereto and made a part hereof.

(5) That the vertical limits of the Arrowhead Oil Pool shall include all of the Grayburg formation.

(6) That the vertical limits of the following oil pools, heretofore created, defined and described shall extend from a point 100 feet above the base of the Seven Rivers formation to the base of the Queen formation.

Cooper-Jal Oil Pool
South Eunice Oil Pool
Langlie-Mattix Oil Pool

(7) That the horizontal limits of the Cooper-Jal Oil Pool shall be the area as described in Exhibit "E" attached hereto and made a part hereof.

(8) That the horizontal limits of the Langlie-Mattix Oil Pool shall be the area as described in Exhibit "F" attached hereto and made a part hereof.

(9) That the horizontal limits of the South Eunice Oil Pool shall be the area as described in Exhibit "G" attached hereto and made a part hereof.

(10) That no gas, either dry gas or casinghead gas, shall be flared or vented in the following pools unless specifically authorized by order of the Commission after notice and hearing:

Eunice-Monument Oil Pool
South Eunice Oil Pool
Hardy Oil Pool
Penrose-Skelly Oil Pool
Cooper-Jal Oil Pool
Arrowhead Oil Pool
Langlie-Mattix Oil Pool
Rhodes Oil Pool
Leonard Oil Pool
South Leonard Oil Pool
Eaves Oil Pool
Arrow Gas Pool
Eumont Gas Pool
Jalmat Gas Pool

This rule shall become effective November 1, 1954. Any operator desiring to obtain exception from the provisions of this rule shall apply for hearing prior to September 15, 1954. All operators shall file Form C-110, in duplicate, designating thereon the disposition of all dry gas or casinghead gas from each well in each pool listed above. Within 15 days after completion of any oil or gas well within the boundaries of the above listed pools, the operator shall file Form C-110 designating the disposition of gas from the well.

Failure to comply with the provisions of this rule within the prescribed time limits will result in the suspension of any further allowable. Extraction plants processing any gas from any of the above designated pools shall comply with the "no-flare" provisions of this rule, provided however, that the restriction may be lifted when mechanical difficulties arise or when the gas flared is of no commercial value.

(11) That oil wells producing from the following named pools shall be allowed to produce a volume of gas each day not exceeding the daily normal unit oil allowable multiplied by 10,000; provided however, that such well shall not be allowed to produce oil in excess of the normal unit allowable as ordered by the Commission under the provisions of Rule 505: Cooper-Jal Oil Pool, Langlie-Mattix Oil Pool, South Eunice Oil Pool, Penrose-Skelly Oil Pool, Leonard Oil Pool, South Leonard Oil Pool, Hardy Oil Pool and Rhodes Oil Pool.

(12) That the Falby-Yates Oil Pool as heretofore created, defined and described shall be abolished and all oil wells presently producing from the Falby-Yates Oil Pool shall be governed by the applicable rules of the Jalmat Gas Pool.

(13) That that portion of the Rhodes Storage Area lying within the defined limits of the Jalmat Gas Pool shall be exempted from the applicable provisions of the Jalmat Gas Pool Rules. The Rhodes Storage Area shall include the following described area:

TOWNSHIP 26 South, RANGE 37 East, NMPM
Sec. 4: W/2 NW/4, SE/4 SE/4, W/2 SE/4, SW/4;
Sec. 5: All
Sec. 6: NE/4 NW/4, NE/4, SE/4 SE/4, N/2 SE/4
Sec. 7: NE/4 NE/4
Sec. 8: N/2, N/2 S/2, SE/4 SW/4, S/2 SE/4
Sec. 9: All
Sec. 10: W/2 NW/4, SE/4 NW/4, S/2
Secs. 15 & 16: All
Sec. 17: E/2 NW/4, E/2
Sec. 20: E/2
Secs. 21:
and 22: All
Sec. 23: SW/4 NW/4, SW/4
Secs. 26, 27, & 28: All
Sec. 29: E/2 NE/4

That special pool rules applicable to the Jalmat Gas Pool be, and the same hereby are promulgated as follows:

SPECIAL RULES AND REGULATIONS FOR
THE JALMAT GAS POOL

Well Spacing and Acreage Requirements for Drilling Tracts.

RULE 1. Any well drilled a distance of one mile or more outside the boundary of the Jalmat Gas Pool shall be classified as a wildcat well. Any well drilled less than one mile outside the boundary of the Jalmat Gas Pool shall be spaced, drilled, operated and prorated in accordance with the regulations in effect in the Jalmat Gas Pool.

RULE 2. Each well drilled or recompleted within the Jalmat Gas Pool on a standard proration unit after the effective date of this rule shall be drilled not closer than 1980 feet to any boundary line of the tract nor closer than 330 feet to a quarter-quarter section line or subdivision inner boundary line. Any well drilled to and producing from the Jalmat Gas Pool prior to the effective date of this order at a location conforming to the spacing requirements effective at the time said well was drilled shall be considered to be located in conformance with this rule.

RULE 3. The Secretary of the Commission shall have authority to grant exception to the requirements of Rule 2 without notice and hearing where application has been filed in due form and the necessity for the unorthodox location is based on topographical conditions or is occasioned by the recompletion of a well previously drilled to another horizon.

Applicants shall furnish all operators within a 1980-foot radius of the subject well a copy of the application to the Commission, and applicant shall include with his application a list of names and addresses of all operators within such radius, together with a stipulation that proper notice has been given said operators at the addresses given. The Secretary of the Commission shall wait at least 20 days before approving any such unorthodox location, and shall approve such unorthodox location only in the absence of objection of any offset operators. In the event an operator objects to the unorthodox location the Commission shall consider the matter only after proper notice and hearing.

RULE 4. The provisions of Statewide Rule 104, Paragraph (k), shall not apply to the Jalmat Gas Pool located in Lea County, New Mexico.

GAS PRORATION

RULE 5. (a) The acreage allocated to a gas well for proration purposes shall be known as the gas proration unit for that well. For the purpose of gas allocation in the Jalmat Gas Pool, a standard proration unit shall consist of between 632 and 648 contiguous surface acres substantially in the form of a square which shall be a legal subdivision (section) of the U. S. Public Land Surveys with a well located at least 1980 feet from the nearest property lines; provided, however, that a non-standard gas proration unit may be formed after notice and hearing by the Commission, or under the provision of Paragraph (b) of this Rule.

The allowable production from any non-standard gas proration unit as compared with the allowable production therefrom if such tract were a standard unit shall be in the ratio of the area of such non-standard proration unit expressed in acres to 640 acres. Any gas proration unit containing between 632 and 648 acres shall be considered to contain 640 acres for the purpose of computing allowables.

In establishing a non-standard gas proration unit the location of the well with respect to the two nearest boundary lines thereof shall govern the maximum amount of acreage that may be assigned to the well for the purposes of gas proration; provided, however, that any well drilled to and producing from the Jalmat Gas Pool, as defined herein, prior to the effective date of this order at a location conforming

with the spacing requirements effective at the time said well was drilled shall be granted a tolerance not exceeding 330 feet with respect to the required distances from the boundary lines. The maximum acreage which shall be assigned with respect to the well's location shall be as follows:

<u>Location</u>	<u>Maximum Acreage</u>
660' - 660'	160 acres
660' - 1980'	320 acres

(b) The Secretary of the Commission shall have authority to grant an exception to Rule 5 (a) without Notice and Hearing where application has been filed in due form and where the following facts exist and the following provisions are complied with;

1. The non-standard gas proration unit consists of contiguous quarter-quarter sections and/or lots.

2. The non-standard gas proration unit lies wholly within a single governmental section.

3. The entire non-standard gas proration unit may reasonably be presumed to be productive of gas.

4. The length or width of the non-standard gas proration unit does not exceed 5280 feet.

5. The applicant presents written consent in the form of waivers from (a) all operators owning interests in the quarter sections in which any part of the non-standard gas proration unit is situated and which acreage is not included in said non-standard gas proration unit, and (b) all operators owning interests within 1500 feet of the well to which such gas proration unit is proposed to be allocated.

6. In lieu of paragraph 5 of this rule, the applicant may furnish proof of the fact that said offset operators were notified by registered mail of his intent to form such non-standard gas proration unit. The Secretary of the Commission may approve the application if, after a period of 30 days following the mailing of said notice, no operator has made objection to formation of such non-standard gas proration unit.

RULE 6. (a) The Commission after notice and hearing, shall consider the nominations of gas purchasers from the Jalmat Gas Pool and other relevant data and shall fix the allowable production of the Jalmat Gas Pool.

(b) The allowable assigned to any well capable of producing its normal gas allowable in the Jalmat Gas Pool shall be the same proportion of the total remaining allowable allocated to said pool after deducting allowables of marginal wells that the number of acres contained in the gas proration unit for that well bears

to the acreage contained in all gas proration units assigned to non-marginal wells in the Jalmat Gas Pool.

RULE 7. At least 30 days prior to the beginning of each gas proration period the Commission shall hold a hearing after due notice has been given. The Commission shall cause to be submitted by each gas purchaser its "Preliminary Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration period, by months, from the Jalmat Gas Pool. The Commission shall consider the "Preliminary Nominations" of purchasers, actual production, and such other factors as may be deemed applicable in determining the amount of gas that may be produced without waste within the ensuing proration period. "Preliminary Nominations" shall be submitted on a form prescribed by the Commission.

RULE 8. In the event a gas purchaser's market shall have increased or decreased, he may file with the Commission prior to the 10th day of the month a "supplemental" nomination, showing the amount of gas he actually in good faith desires to purchase during the ensuing proration month from the Jalmat Gas Pool. The Commission shall hold a public hearing between the 15th and 20th days of each month to determine the reasonable market demand for gas for the ensuing proration month, and shall issue a proration schedule setting out the amount of gas which each well may produce during the ensuing proration month.

Included in the monthly proration schedule shall be (a) a summary of the total pool allocation for that month showing nominations, and adjustments made for underage or overage applied from a previous month, (b) a tabulation of the net allowable, and production for the second preceding month together with a cumulative overage or underage computation, (c) a tabulation of the current and net allowables for the preceding month, (d) a tabulation of current monthly allowables for the ensuing proration month, and (e) a tabulation of the acreage assigned each well together with a tabulation of the acreage factor assigned each well. For the purpose of allocation a proration unit of 640 acres shall be assigned an acreage factor of 4.00; a proration unit of 160 acres a factor of 1.00, etc.

"Supplemental Nominations" shall be submitted on a form prescribed by the Commission.

The Commission shall include in the proration schedule the gas wells in the Jalmat Gas Pool delivering to a gas transportation facility, or lease gathering system, and shall include in the proration schedule of the Jalmat Gas Pool any well which it finds is being unreasonably discriminated against through denial of access to a gas transportation facility, which is reasonably capable of handling the type of gas produced by such well. The total allowable to be allocated to the pool each month shall be equal to the sum of the preliminary or supplemental nominations (whichever is applicable), together with any adjustment which the Commission deems advisable.

If during a proration month the acreage assigned a well is increased the operator shall notify the Proration Manager in writing (Box 2045, Hobbs, New Mexico) of such increase. The increased allowable assigned the gas proration unit for the

well shall be effective on the first day of the month following receipt of the notification by the Proration Manager.

BALANCING OF PRODUCTION

RULE 9. Underproduction: The dates 7:00 a. m., January 1, and 7:00 a. m., July 1, shall be known as balancing dates and the periods of time bounded by these dates shall be known as gas proration periods. The amount of current gas allowable remaining unproduced at the end of each proration period shall be carried forward to and may be produced during the next succeeding proration period in addition to the normal gas allowable for such succeeding period; but whatever amount thereof is not made up within the first succeeding proration period shall be cancelled.

If it appears that such continued underproduction has resulted from inability of the well to produce its allowable, it may be classified as a marginal well and its allowable reduced to the well's ability to produce.

If at the end of a proration period a marginal well has produced more than the total allowable assigned a non-marginal unit of corresponding size, the marginal well shall be reclassified as a non-marginal well and its allowable adjusted accordingly.

If during a proration period a marginal well is reworked or recompleted in such a manner that its productive capacity is increased to the extent that it should be reclassified as a non-marginal well, the reclassification shall be effective on the first day of the proration month following the date of recompletion.

The Proration Manager may reclassify a well at any time if production data or deliverability tests reflect the need for such a reclassification.

RULE 10. Overproduction: A well which has produced a greater amount of gas than was allowed during a given proration period shall have its allowable for the first succeeding proration period reduced by the amount of such overproduction and such overproduction shall be made up within the first succeeding proration period. If, at the end of the first succeeding proration period, the well is still overproduced, and has not been in balance since the end of the preceding proration period, then it shall be shut in and its current monthly allowable charged against said overproduction until the well is in balance. If, at any time, a well is overproduced an amount equaling six times its current monthly allowable, it shall be shut in until it is in balance.

The Commission may allow overproduction to be made up at a lesser rate than would be the case if the well were completely shut in upon a showing at public hearing after due notice that complete shut in of the well would result in material damage to the well.

GRANTING OF ALLOWABLES

RULE 11. No gas well shall be given an allowable until Form C-104 and Form C-110 have been filed together with a plat showing acreage attributed to said well and the locations of all wells on the lease.

RULE 12. Allowables to newly completed gas wells shall commence on the date of connection to a gas transportation facility, as determined from an affidavit furnished to the Commission (Box 2045, Hobbs, New Mexico) by the purchaser, or the date of filing of Form C-104 and Form C-110 and the plat described above, whichever date is the later.

REPORTING OF PRODUCTION

RULE 13. The monthly gas production from each well shall be metered separately and the gas production therefrom shall be reported to the Commission on Form C-115 so as to reach the Commission on or before the 20th day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the gas produced.

Each purchaser or taker of gas in the Jalmat Gas Pool shall submit a report to the Commission so as to reach the Commission on or before the 20th day of the month next succeeding the month in which the gas was purchased or taken.

Such report shall be filed on either Form C-111 or Form C-114 (whichever is applicable) with the wells being listed in approximately the same order as they are listed on the proration schedule.

Forms C-111 and C-114 referred to herein shall be submitted in duplicate, the original being sent to the Commission at Box 871, Santa Fe, New Mexico, the other copy being sent to Box 2045, Hobbs, New Mexico.

Form C-115 shall be submitted in accordance with Rule 1114 of the Commission's Rules and Regulations.

The full production of gas from each well shall be charged against the well's allowable regardless of what disposition has been made of the gas; provided, however, that gas used on the lease for consumption in lease houses, treaters, compressors, combustion engines and other similar lease equipment shall not be charged against the well's allowable.

DEFINITIONS

RULE 14. A gas well shall mean a well producing with a gas-oil ratio in excess of 100,000 cubic feet of gas per barrel of oil.

RULE 15. A well producing from the Jalmat Gas Pool and not classified as a gas well as defined in Rule 14 shall be classified as an oil well.

RULE 16. The term "gas purchaser" as used in these rules, shall mean any "taker" of gas either at the wellhead or at any point on the lease where connection is made for gas transportation or utilization. It shall be the responsibility of said "taker" to submit a nomination.

RULE 17. No gas, either dry gas or casinghead gas, produced from the Jalmat Gas Pool shall be flared or vented unless specifically authorized by order of the Commission after notice and hearing.

RULE 18. Oil wells producing from the Jalmat Gas Pool shall be allowed to produce a volume of gas each day not exceeding the daily normal unit oil allowable multiplied by 10,000; provided, however, that such well shall not be allowed to produce oil in excess of the normal unit allowable as ordered by the Commission under the provisions of Rule 505.

PROVIDED FURTHER, After the effective date of this order no well shall be completed or recompleted in such a manner that the producing zone of the overlying gas pool and the producing zone of the underlying oil pool are both open in the same well bore unless specifically authorized by order of the Commission after notice and hearing. Dual completions may be effected in accordance with the provisions of Rule 112-A of the Commission's Rules and Regulations.

Any well presently completed in such a manner that the well bore is open to both the overlying gas pool and the underlying oil pool shall be assigned to either the gas pool or the oil pool by the Commission staff. Any operator of any well completed in such a manner shall submit to the Commission office at Hobbs, New Mexico, all pertinent well completion data on Form C-105, together with electric logs, sample logs, drill stem test records, etc. All data shall be submitted in duplicate on or before September 15, 1954. Failure of any operator to submit the required data will result in cancellation of Form C-110 and subsequent cancellation of allowables.

If the operator is not satisfied with the well's assignment he may apply for a hearing on the matter in accordance with Commission Rule 1203.

PROVIDED FURTHER, Gas-Oil Ratio Tests shall be taken in accordance with the provisions of Rule 301 of the Commission's Rules and Regulations.

Gas-Oil Ratio Tests shall be taken in all oil or gas pools in accordance with the attached schedule, (Exhibit H). This schedule supersedes the annual Gas-Oil Ratio test schedule previously issued only where applicable.

The operator of any oil or gas well who has submitted Form C-116 to the Commission during 1954 in compliance with the 1954 Annual Gas-Oil Ratio test schedule previously adopted is exempted from the requirement of taking another Gas-Oil Ratio test during 1954. If the test previously submitted is not complete the Proration Manager shall so advise the operator and the operator shall submit the required test in conformance with the Gas-Oil Ratio test schedule as outlined in Exhibit "H" attached hereto and made a part hereof.

PROVIDED FURTHER, That for gas allocation purposes and assignment of allowables the combination of the Jalco and Langmat gas pools to the Jalmat Gas Pool shall be effective September 1, 1954.

It is recognized that a great many wells will be reclassified and reassigned as a result of the provisions of this order and that the time involved in the reclassification may cause certain inequities; therefore, the Proration Manager is hereby directed to take such action as he deems advisable to prevent inequitable withdrawals.

PROVIDED FURTHER, That in filing Form C-101 "Notice of Intention to Drill or Recomplete" all operators shall strictly comply with the provisions of Rule 104, paragraph (e).

PROVIDED FURTHER, That failure to comply with the provisions of this order or the rules contained herein shall result in the cancellation of allowable assigned to the affected well. No further allowable shall be assigned to the affected well until all rules and regulations are complied with. The Proration Manager shall notify the operator of the well and the purchaser in writing of the date of allowable cancellation and the reason therefor.

PROVIDED FURTHER, That special pool rules applicable to the Eumont Gas Pool be, and the same hereby are promulgated as follows:

SPECIAL RULES AND REGULATIONS
FOR THE EUMONT GAS POOL

Well Spacing and Acreage Requirements for Drilling Tracts.

RULE 1. Any well drilled a distance of one mile or more outside the boundary of the Eumont Gas Pool shall be classified as a wildcat well. Any well drilled less than one mile outside the boundary of the Eumont Gas Pool shall be spaced, drilled, operated and prorated in accordance with the regulations in effect in the Eumont Gas Pool.

RULE 2. Each well drilled or recompleted within the Eumont Gas Pool on a standard proration unit after the effective date of this rule shall be drilled not closer than 1980 feet to any boundary line of the tract nor closer than 330 feet to a quarter-quarter section line or subdivision inner boundary line. Any well drilled to and producing from the Eumont Gas Pool prior to the effective date of this order at a location conforming to the spacing requirements effective at the time said well was drilled shall be considered to be located in conformance with this rule.

RULE 3. The Secretary of the Commission shall have authority to grant exception to the requirements of Rule 2 without notice and hearing where application has been filed in due form and the necessity for the unorthodox location is based on topographical conditions or is occasioned by the recompletion of a well previously drilled to another horizon.

Applicants shall furnish all operators within a 1980 foot radius of the subject well a copy of the application to the Commission, and applicant shall include with his application a list of names and addresses of all operators within such radius, together with a stipulation that proper notice has been given said operators at the addresses given. The Secretary of the Commission shall wait at least 20 days before approving any such unorthodox location, and shall approve such unorthodox location only in the

absence of objection of any offset operators. In the event an operator objects to the unorthodox location the Commission shall consider the matter only after proper notice and hearing.

RULE 4. The provision of Statewide Rule 104, Paragraph (k), shall not apply to the Eumont Gas Pool located in Lea County, New Mexico.

GAS PRORATION

RULE 5. (a) The acreage allocated to a gas well for proration purposes shall be known as the gas proration unit for that well. For the purpose of gas allocation in the Eumont Gas Pool, a standard proration unit shall consist of between 632 and 648 contiguous surface acres substantially in the form of a square which shall be a legal subdivision (section) of the U. S. Public Land Surveys with a well located at least 1980 feet from the nearest property lines; provided, however, that a non-standard gas proration unit may be formed after notice and hearing by the Commission, or under the provisions of Paragraph (b) of this Rule.

The allowable production from any non-standard gas proration unit as compared with the allowable production therefrom if such tract were a standard unit shall be in the ratio of the area of such non-standard proration unit expressed in acres to 640 acres. Any gas proration unit containing between 632 and 648 acres shall be considered to contain 640 acres for the purpose of computing allowables.

In establishing a non-standard gas proration unit the location of the well with respect to the two nearest boundary lines thereof shall govern the maximum amount of acreage that may be assigned to the well for the purposes of gas proration; provided, however, that any well drilled to and producing from the Eumont Gas Pool, as defined herein, prior to the effective date of this order at a location conforming with the spacing requirements effective at the time said well was drilled shall be granted a tolerance not exceeding 330 feet with respect to the required distances from the boundary lines. The maximum acreage which shall be assigned with respect to the well's location shall be as follows:

<u>Location</u>	<u>Maximum Acreage</u>
660' - 660'	160 acres
660' - 1980'	320 acres

(b) The Secretary of the Commission shall have authority to grant an exception to Rule 5 (a) without Notice and Hearing where application has been filed in due form and where the following facts exist and the following provisions are complied with;

1. The non-standard gas proration unit consists of contiguous quarter-quarter sections and/or lots.
2. The non-standard gas proration unit lies wholly within a single governmental section.

3. The entire non-standard gas proration unit may reasonably be presumed to be productive of gas.

4. The length or width of the non-standard gas proration unit does not exceed 5280 feet.

5. The applicant presents written consent in the form of waivers from (a) all operators owning interests in the quarter sections in which any part of the non-standard gas proration unit is situated and which acreage is not included in said non-standard gas proration unit, and (b) all operators owning interests within 1500 feet of the well to which such gas proration unit is proposed to be allocated.

6. In lieu of paragraph 5 of this rule, the applicant may furnish proof of the fact that said offset operators were notified by registered mail of his intent to form such non-standard gas proration unit. The Secretary of the Commission may approve the application if, after a period of 30 days following the mailing of said notice, no operator has made objection to formation of such non-standard gas proration unit.

RULE 6. (a) The Commission after notice and hearing, shall consider the nominations of gas purchasers from the Eumont Gas Pool and other relevant data and shall fix the allowable production of the Eumont Gas Pool.

(b) The allowable assigned to any well capable of producing its normal gas allowable in the Eumont Gas Pool shall be the same proportion of the total remaining allowable allocated to said pool after deducting allowables of marginal wells that the number of acres contained in the gas proration unit for that well bears to the acreage contained in all gas proration units assigned to non-marginal wells in the Eumont Gas Pool.

RULE 7. At least 30 days prior to the beginning of each gas proration period the Commission shall hold a hearing after due notice has been given. The Commission shall cause to be submitted by each gas purchaser its "Preliminary Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration period, by months from the Eumont Gas Pool. The Commission shall consider the "Preliminary Nominations" of purchasers, actual production, and such other factors as may be deemed applicable in determining the amount of gas that may be produced without waste within the ensuing proration period. "Preliminary Nominations" shall be submitted on a form prescribed by the Commission.

RULE 8. In the event a gas purchaser's market shall have increased or decreased, he may file with the Commission prior to the 10th day of the month a "supplemental" nomination, showing the amount of gas he actually in good faith desires to purchase during the ensuing proration month from the Eumont Gas Pool. The Commission shall hold a public hearing between the 15th and 20th days of each month to determine the reasonable market demand for gas for the ensuing proration month, and shall issue a proration schedule setting out the amount of gas which each well may produce during the ensuing proration month.

Included in the monthly proration schedule shall be (a) a summary of the total pool allocation for that month showing nominations, and adjustments made for underage or overage applied from a previous month (b) a tabulation of the net allowable, and production for the second preceding month together with a cumulative overage or underage computation, (c) a tabulation of the current and net allowables for the preceding month, (d) a tabulation of current monthly allowables for the ensuing proration month, and (e) a tabulation of the acreage assigned each well together with a tabulation of the acreage factor assigned each well. For the purpose of allocation a proration unit of 640 acres shall be assigned an acreage factor of 4.00; a proration unit of 160 acres a factor of 1.00, etc.

"Supplemental Nominations" shall be submitted on a form prescribed by the Commission.

The Commission shall include in the proration schedule the gas wells in the Eumont Gas Pool delivering to a gas transportation facility, or lease gathering system, and shall include in the proration schedule of the Eumont Gas Pool any well which it finds is being unreasonably discriminated against through denial of access to a gas transportation facility, which is reasonably capable of handling the type of gas produced by such well. The total allowable to be allocated to the pool each month shall be equal to the sum of the preliminary or supplemental nominations (whichever is applicable) together with any adjustment which the Commission deems advisable.

If during a proration month the acreage assigned a well is increased the operator shall notify the Proration Manager in writing (Box 2045, Hobbs, New Mexico) of such increase. The increased allowable assigned the gas proration unit for the well shall be effective on the first day of the month following receipt of the notification by the Proration Manager.

BALANCING OF PRODUCTION

RULE 9. Underproduction: The dates 7:00 a. m., January 1, and 7:00 a. m., July 1, shall be known as balancing dates and the periods of time bounded by these dates shall be known as gas proration periods. The amount of current gas allowable remaining unproduced at the end of each proration period shall be carried forward to and may be produced during the next succeeding proration period in addition to the normal gas allowable for such succeeding period; but whatever amount thereof is not made up within the first succeeding proration period shall be cancelled.

If it appears that such continued underproduction has resulted from inability of the well to produce its allowable, it may be classified as a marginal well and its allowable reduced to the well's ability to produce.

If at the end of a proration period a marginal well has produced more than the total allowable assigned a non-marginal unit of corresponding size, the marginal well shall be reclassified as a non-marginal well and its allowable adjusted accordingly.

If during a proration period a marginal well is reworked or recompleted in such a manner that its productive capacity is increased to the extent that it should be reclassified as a non-marginal well, the reclassification shall be effective on the first day of the proration month following the date of recompletion.

The Proration Manager may reclassify a well at any time if production data or deliverability tests reflect the need for such a reclassification.

RULE 10. Overproduction: A well which has produced a greater amount of gas than was allowed during a given proration period shall have its allowable for the first succeeding proration period reduced by the amount of such overproduction and such overproduction shall be made up within the first succeeding proration period. If, at the end of the first succeeding proration period, the well is still overproduced, and has not been in balance since the end of the preceding proration period, then it shall be shut in and its current monthly allowable charged against said overproduction until the well is in balance. If, at any time, a well is overproduced an amount equaling six times its current monthly allowable, it shall be shut in until it is in balance.

The Commission may allow overproduction to be made up at a lesser rate than would be the case if the well were completely shut in upon a showing at public hearing after due notice that complete shut in of the well would result in material damage to the well.

GRANTING OF ALLOWABLES.

RULE 11. No gas well shall be given an allowable until Form C-104 and Form C-110 have been filed together with a plat showing acreage attributed to said well and the locations of all wells on the lease.

RULE 12. Allowables to newly completed gas wells shall commence on the date of connection to a gas transportation facility, as determined from an affidavit furnished to the Commission (Box 2045, Hobbs, New Mexico) by the purchaser, or the date of filing of Form C-104, and Form C-110 and the plat described above, whichever date is the later.

REPORTING OF PRODUCTION

RULE 13. The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be reported to the Commission on Form C-115 so as to reach the Commission on or before the 20th day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the gas produced.

Each purchaser or taker of gas in the Eumont Gas Pool shall submit a report to the Commission so as to reach the Commission on or before the 20th day of the month next succeeding the month in which the gas was purchased or taken.

Such report shall be filed on either Form C-111 or Form C-114 (whichever is applicable) with the wells being listed in approximately the same order as they are listed on the proration schedule.

Forms C-111 and C-114 referred to herein shall be submitted in duplicate, the original being sent to the Commission at Box 871, Santa Fe, New Mexico, the other copy being sent to Box 2045, Hobbs, New Mexico.

Form C-115 shall be submitted in accordance with Rule 1114 of the Commission's Rules and Regulations.

The full production of gas from each well shall be charged against the well's allowable regardless of what disposition has been made of the gas; provided, however, that gas used on the lease for consumption in lease houses, treaters, compressors, combustion engines and other similar lease equipment shall not be charged against the well's allowable.

DEFINITIONS

RULE 14. A gas well shall mean a well producing with a gas-oil ratio in excess of 100,000 cubic feet of gas per barrel of oil.

RULE 15. A well producing from the Eumont Gas Pool and not classified as a gas well as defined in Rule 14 shall be classified as an oil well.

RULE 16. The term "gas purchaser" as used in these rules, shall mean any "taker" of gas either at the wellhead or at any point on the lease where connection is made for gas transportation or utilization. It shall be the responsibility of said "taker" to submit a nomination.

RULE 17. No gas, either dry gas or casinghead gas, produced from the Eumont Gas Pool shall be flared or vented unless specifically authorized by order of the Commission after notice and hearing.

RULE 18. Oil wells producing from the Eumont Gas Pool shall be allowed to produce a volume of gas each day not exceeding the daily normal unit oil allowable multiplied by 10,000; provided, however, that such well shall not be allowed to produce oil in excess of the normal unit allowable as ordered by the Commission under the provisions of Rule 505.

PROVIDED FURTHER, That special pool rules applicable to the Arrow Gas Pool be, and the same hereby are promulgated as follows:

SPECIAL RULES AND REGULATIONS FOR THE ARROW GAS POOL

Well Spacing and Acreage Requirements for Drilling Tracts.

RULE 1. Any well drilled a distance of one mile or more outside the boundary of the Arrow Gas Pool shall be classified as a wildcat well. Any well drilled less than one mile outside the boundary of the Arrow Gas Pool shall be spaced, drilled, operated and prorated in accordance with the regulations in effect in the Arrow Gas Pool.

RULE 2. Each well drilled or recompleted within the Arrow Gas Pool on a standard proration unit after the effective date of this rule shall be drilled not closer than 1980 feet to any boundary line of the tract nor closer than 330 feet to a quarter-quarter section line or subdivision inner boundary line. Any well drilled to and producing from the Arrow Gas Pool prior to the effective date of this order at a location conforming to the spacing requirements effective at the time said well was drilled shall be considered to be located in conformance with this rule.

RULE 3. The Secretary of the Commission shall have authority to grant exception to the requirements of Rule 2 without notice and hearing where application has been filed in due form and the necessity for the unorthodox location is based on topographical conditions or is occasioned by the recompletion of a well previously drilled to another horizon.

Applicants shall furnish all operators within a 1980 foot radius of the subject well a copy of the application to the Commission, and applicant shall include with his application a list of names and addresses of all operators within such radius, together with a stipulation that proper notice has been given said operators at the addresses given. The Secretary of the Commission shall wait at least 20 days before approving any such unorthodox location, and shall approve such unorthodox location only in the absence of objection of any offset operators. In the event an operator objects to the unorthodox location the Commission shall consider the matter only after proper notice and hearing.

RULE 4. The provisions of Statewide Rule 104, Paragraph (k), shall not apply to the Arrow Gas Pool located in Lea County, New Mexico.

GAS PRORATION

RULE 5. (a) The acreage allocated to a gas well for proration purposes shall be known as the gas proration unit for that well. For the purpose of gas allocation in the Arrow Gas Pool, a standard proration unit shall consist of between 632 and 648 contiguous surface acres substantially in the form of a square which shall be a legal subdivision (section) of the U. S. Public Land Surveys with a well located at least 1980 feet from the nearest property lines; provided, however, that a non-standard proration unit may be formed after notice and hearing by the Commission, or under the provisions of Paragraph (b) of this Rule.

The allowable production from any non-standard gas proration unit as compared with the allowable production therefrom if such tract were a standard unit shall be in the ratio of the area of such non-standard proration unit expressed in acres to 640 acres. Any gas proration unit containing between 632 and 648 acres

shall be considered to contain 640 acres for the purpose of computing allowables.

In establishing a non-standard gas proration unit the location of the well with respect to the two nearest boundary lines thereof shall govern the maximum amount of acreage that may be assigned to the well for the purposes of gas proration; provided, however, that any well drilled to and producing from the Arrow Gas Pool, as defined herein, prior to the effective date of this order at a location conforming with the spacing requirements effective at the time said well was drilled shall be granted a tolerance not exceeding 330 feet with respect to the required distances from the boundary lines. The maximum acreage which shall be assigned with respect to the well's location shall be as follows:

<u>Location</u>	<u>Maximum Acreage</u>
660' - 660'	160 acres
660' - 1980'	320 acres

(b) The Secretary of the Commission shall have authority to grant an exception to Rule 5 (a) without notice and hearing where application has been filed in due form and where the following facts exist and the following provisions are complied with;

1. The non-standard gas proration unit consists of contiguous quarter-quarter sections and/or lots.
2. The non-standard gas proration unit lies wholly within a single governmental section.
3. The entire non-standard gas proration unit may reasonably be presumed to be productive of gas.
4. The length or width of the non-standard gas proration unit does not exceed 5280 feet.
5. The applicant presents written consent in the form of waivers from (a) all operators owning interests in the quarter sections in which any part of the non-standard gas proration unit is situated and which acreage is not included in said non-standard gas proration unit, and (b) all operators owning interests within 1500 feet of the well to which such gas proration unit is proposed to be allocated.
6. In lieu of paragraph 5 of this rule, the applicant may furnish proof of the fact that said offset operators were notified by registered mail of his intent to form such non-standard gas proration unit. The Secretary of the Commission may approve the application if, after a period of 30 days following the mailing of said notice, no operator has made objection to formation of such non-standard gas proration unit.

RULE 6. (a) The Commission after notice and hearing, shall consider the nominations of gas purchasers from the Arrow Gas Pool and other relevant data and shall fix the allowable production of the Arrow Gas Pool.

(b) The allowable assigned to any well capable of producing its normal gas allowable in the Arrow Gas Pool shall be the same proportion of the total remaining allowable allocated to said pool after deducting allowables of marginal wells that the number of acres contained in the gas proration unit for that well bears to the acreage contained in all gas proration units assigned to non-marginal wells in the Arrow Gas Pool.

RULE 7. At least 30 days prior to the beginning of each gas proration period the Commission shall hold a hearing after due notice has been given. The Commission shall cause to be submitted by each gas purchaser its "Preliminary Nominations" of the amount of gas which each in good faith actually desires to purchase within the ensuing proration period, by months from the Arrow Gas Pool. The Commission shall consider the "Preliminary Nominations" of purchasers, actual production, and such other factors as may be deemed applicable in determining the amount of gas that may be produced without waste within the ensuing proration period. "Preliminary Nominations" shall be submitted on a form prescribed by the Commission.

RULE 8. In the event a gas purchaser's market shall have increased or decreased, he may file with the Commission prior to the 10th day of the month a "supplemental" nomination, showing the amount of gas he actually in good faith desires to purchase during the ensuing proration month from the Arrow Gas Pool. The Commission shall hold a public hearing between the 15th and 20th days of each month to determine the reasonable market demand for gas for the ensuing proration month, and shall issue a proration schedule setting out the amount of gas which each well may produce during the ensuing proration month.

Included in the monthly proration schedule shall be (a) a summary of the total pool allocation for that month showing nominations, and adjustments made for underage or overage applied from a previous month, (b) a tabulation of the net allowable, and production for the second preceding month together with a cumulative overage or underage computation, (c) a tabulation of the current and net allowables for the preceding month, (d) a tabulation of current monthly allowables for the ensuing proration month, and (e) a tabulation of the acreage assigned each well together with a tabulation of the acreage factor assigned each well. For the purpose of allocation a proration unit of 640 acres shall be assigned an acreage factor of 4.00; a proration unit of 160 acres a factor of 1.00, etc.

"Supplemental Nominations" shall be submitted on a form prescribed by the Commission.

The Commission shall include in the proration schedule the gas wells in the Arrow Gas Pool delivering to a gas transportation facility, or lease gathering system, and shall include in the proration schedule of the Arrow Gas Pool any well which it finds it being unreasonably discriminated against through denial of access to a gas transportation facility, which is reasonably capable of handling the type of gas produced by such well. The total allowable to be allocated to the pool each month

shall be equal to the sum of the preliminary or supplemental nominations (whichever is applicable) together with any adjustment which the Commission deems advisable.

If during a proration month the acreage assigned a well is increased the operator shall notify the Proration Manager in writing (Box 2045, Hobbs, New Mexico) of such increase. The increased allowable assigned the gas proration unit for the well shall be effective on the first day of the month following receipt of the notification by the Proration Manager.

BALANCING OF PRODUCTION

RULE 9. Underproduction: The dates 7:00 a. m., January 1, and 7:00 a. m., July 1, shall be known as balancing dates and the periods of time bounded by these dates shall be known as gas proration periods. The amount of current gas allowable remaining unproduced at the end of each proration period shall be carried forward to and may be produced during the next succeeding proration period in addition to the normal gas allowable for such succeeding period; but whatever amount thereof is not made up within the first succeeding proration period shall be cancelled.

If it appears that such continued underproduction has resulted from inability of the well to produce its allowable, it may be classified as a marginal well and its allowable reduced to the well's ability to produce.

If at the end of a proration period a marginal well has produced more than the total allowable assigned a non-marginal unit of corresponding size, the marginal well shall be reclassified as a non-marginal well and its allowable adjusted accordingly.

If during a proration period a marginal well is reworked or recompleted in such a manner that its productive capacity is increased to the extent that it should be reclassified as a non-marginal well, the reclassification shall be effective on the first day of the proration month following the date of recompletion.

The Proration Manager may reclassify a well at any time if production data or deliverability tests reflect the need for such a reclassification.

RULE 10. Overproduction: A well which has produced a greater amount of gas than was allowed during a given proration period shall have its allowable for the first succeeding proration period reduced by the amount of such overproduction and such overproduction shall be made up within the first succeeding proration period. If, at the end of the first succeeding proration period, the well is still overproduced, and has not been in balance since the end of the preceding proration period, then it shall be shut in and its current monthly allowable charged against said overproduction until the well is in balance. If, at any time, a well is overproduced an amount equaling six times its current monthly allowable, it shall be shut in until it is in balance.

The Commission may allow overproduction to be made up at a lesser rate than would be the case if the well were completely shut in upon a showing at public hearing after due notice that complete shut in of the well would result in material damage to the well.

GRANTING OF ALLOWABLES.

RULE 11. No gas well shall be given an allowable until Form C-104 and Form C-110 have been filed together with a plat showing acreage attributed to said well and the locations of all wells on the lease.

RULE 12. Allowables to newly completed gas wells shall commence on the date of connection to a gas transportation facility, as determined from an affidavit furnished to the Commission (Box 2045, Hobbs, New Mexico) by the purchaser, or the date of filing of Form C-104, and Form C-110 and the plat described above, whichever date is the later.

REPORTING OF PRODUCTION

RULE 13. The monthly gas production from each gas well shall be metered separately and the gas production therefrom shall be reported to the Commission on Form C-115 so as to reach the Commission on or before the 20th day of the month next succeeding the month in which the gas was produced. The operator shall show on such report what disposition has been made of the gas produced.

Each purchaser or taker of gas in the Arrow Gas Pool shall submit a report to the Commission so as to reach the Commission on or before the 20th day of the month next succeeding the month in which the gas was purchased or taken.

Such report shall be filed on either Form C-111 or Form C-114 (whichever is applicable) with the wells being listed in approximately the same order as they are listed on the proration schedule.

Forms C-111 and C-114 referred to herein shall be submitted in duplicate, the original being sent to the Commission at Box 871, Santa Fe, New Mexico, the other copy being sent to Box 2045, Hobbs, New Mexico.

Form C-115 shall be submitted in accordance with Rule 1114 of the Commission's Rules and Regulations.

The full production of gas from each well shall be charged against the well's allowable regardless of what disposition has been made of the gas; provided, however, that gas used on the lease for consumption in lease houses, treaters, compressors, combustion engines and other similar lease equipment shall not be charged against the well's allowable.

DEFINITIONS

RULE 14. A gas well shall mean a well producing with a gas-oil ratio in excess of 100,000 cubic feet of gas per barrel of oil.

RULE 15. A well producing from the Arrow Gas Pool and not classified as a gas well as defined in Rule 14 shall be classified as an oil well.

RULE 16. The term "gas purchaser" as used in these rules, shall mean any "taker" of gas either at the wellhead or at any point on the lease where connection is made for gas transportation or utilization. It shall be the responsibility of said "taker" to submit a nomination.

RULE 17. No gas, either dry gas or casinghead gas, produced from the Arrow Gas Pool shall be flared or vented unless specifically authorized by order of the Commission after notice and hearing.

RULE 18. Oil wells producing from the Arrow Gas Pool shall be allowed to produce a volume of gas each day not exceeding the daily normal unit oil allowable multiplied by 10,000; provided, however, that such well shall not be allowed to produce oil in excess of the normal unit allowable as ordered by the Commission under the provisions of Rule 505.

EXHIBIT "A"

Horizontal limits of the Jalmat Gas Pool

Township 21 South, Range 36 East
All of Section 31
SW/4 of Section 32
All of Secs. 33 and 34

Township 22 South, Range 35 East
E/2 Section 13

Township 22 South, Range 36 East
All of Secs. 3 through 10, inclusive.
W/2 Sec. 11
W/2 Section 14
All of Secs. 15 through 18, inclusive
NE/4 Sec. 19
All of Secs. 20 through 23, inclusive
W/2 Sec. 24
All of Secs. 25 through 29, inclusive
All of Secs. 32 through 36, inclusive

Township 22 South, Range 37 East
SW/4 Sec. 31

Township 23 South, Range 36 East
All of Secs. 1 through 4, inclusive
N/2 and SE/4 Sec. 5
E/2 Sec. 8
All Secs. 9 through 16, inclusive
NE/4 Sec. 17
All Secs. 21 through 27, inclusive
E/2 Sec. 28
E/2 Sec. 33
All Secs. 34, 35 and 36

Township 23 South, Range 37 East
All Secs. 6, 7, S/2 Sec. 8
All Secs. 17 through 21, inclusive
All of Secs. 28 through 33, inclusive

Township 24 South, Range 36 East
All of Secs. 1, 2, and 3
E/2 Sec. 4
NE/4 Sec. 9
N/2, SE/4 Sec. 10
All of Secs. 11 through 14, inclusive

Exhibit "A" (Cont'd)

Township 24 South, Range 36 East (cont'd)

E/2 Sec. 15
All Secs. 22 through 26, inclusive
E/2 Sec. 27
E/2 Sec. 34
All Secs. 35 and 36

Township 24 South, Range 37 East

All of Secs. 5, 6, 7 and 8
W/2 Sec. 9
W/2 Sec. 16
All of Secs. 17 through 23, inclusive
All of Secs. 26 through 35, inclusive

Township 25 South, Range 36 East

All of Sec. 1
N/2 Sec. 2
All of Secs. 12, 13, 24 and 25
NE/4 Sec. 36

Township 25 South, Range 37 East

All Sec. 2 through 33, inclusive
W/2 Sec. 34

Township 26 South, Range 37 East

W/2 Sec. 3
All Secs. 4 through 9, inclusive
W/2 Sec. 10
All of Secs. 15 through 22, inclusive
All Secs. 27, 28 and 29
N/2, SE/4 Sec. 30
E/2 Sec. 31
All of Secs. 32, 33 and 34

EXHIBIT "B"

Horizontal limits of the Eumont Gas Pool

Township 19 South, Range 36 East
All of Secs. 12, 13, 14, 23, 24, 25,
26.
E/2 Sec. 27
E/2 Sec. 34
All of Secs. 35 and 36

Township 19 South, Range 37 East
W/2 Sec. 4
E/2 Sec. 5
All of Secs. 7, 8, 17, 18, 19, 20
W/2 Sec. 9
W/2 Sec. 21
W/2 Sec. 27
All of Secs. 28, 29, 30, 31, 32, 33 and 34

Township 20 South, Range 36 East
All of Secs. 1, 2
E/2 Sec. 3
E/2 Sec. 10
All of Secs. 11, 12, 13 and 14
NE/4 Sec. 15
N/2 and SE/4 Sec. 23
All of Secs. 24 and 25
E/2 Sec. 26
E/2 Sec. 35
All Sec. 36

Township 20 South, Range 37 East
W/2 Sec. 2
All of Secs. 3 through 10, inclusive
W/2 Sec. 11
All of Secs. 15 through 22, inclusive
S/2 Sec. 23
All of Secs. 26 through 35, inclusive
W/2 Sec. 36

Township 21 South, Range 35 East
All of Sec. 1
SE/4 Sec. 2
NE/4 Sec. 11
All of Sec. 12
All of Secs. 13 and 24

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EXHIBIT "B" (cont'd)

Township 21 South, Range 36 East
All of Secs. 1 through 21, inclusive
N/2 and SW/4 Sec. 22
W/2 Sec. 27
All of Secs. 28, 29 and 30
N/2 and SE/4 Sec. 32

Township 21 South, Range 37 East
All of Secs. 7 and 18

EXHIBIT "C"

Township 21 South, Range 36 East
SE/4 Sec. 24
All Sec. 25
E/2 Sec. 26
NE/4 and S/2 Sec. 35
All Sec. 36

Township 22 South, Range 36 East
All of Secs. 1 and 2
NE/4 Sec. 11
All of Sec. 12
N/2 and SE/4 Sec. 13

Township 22 South, Range 37 East
W/2 Sec. 7
All Sec. 18
N/2 Sec. 19

EXHIBIT "D"

Horizontal limits of the Eunice-Monument Oil Pool

Township 19 South, Range 36 East
E/2 Sec. 12
All of Sec. 13
All Secs. 23 through 27, inclusive
All Secs. 34, 35 and 36

Township 19 South, Range 37 East
SW/4 Sec. 3
S/2 Sec. 4
All of Secs. 7 and 8
W/2 Sec. 9
W/2 Sec. 16
All Secs. 17 through 21, inclusive
S/2 Sec. 27
All Secs. 28 through 34, inclusive

Township 20 South, Range 36 East
All Secs. 1, 2 and 3
All Secs. 10 through 14, inclusive
E/2 Sec. 15
All Secs. 23 through 26, inclusive
E/2 Sec. 27
All Secs. 35 and 36

Township 20 South, Range 37 East
All Secs. 3 through 10, inclusive
All Secs. 15 through 21, inclusive
W/2 Sec. 22
All Secs. 29 through 33, inclusive

Township 21 South, Range 35 East
All Secs. 1, 12, 13, 24
E/2 Sec. 25

Township 21 South, Range 36 East
SW/4 Sec. 1
All of Secs. 2 through 11, inclusive
W/2 Sec. 12
W/2 Sec. 13
All Sec. 14 through 22, inclusive
NW/4 Sec. 23
W/2 Sec. 27
All Secs. 28, 29 and 30
N/2 and SE/4 Sec. 32
All Sec. 33
W/2 Sec. 34

EXHIBIT "E"

Horizontal limits of the Cooper-Jal Oil Pool

Township 23 South, Range 36 East
All of Secs. 4, 5, 8, 9, 15, 16, 17,
20, 21, 22, 27, 28, 33 and 34

Township 24 South, Range 36 East
W/2 Sec. 2
All of Secs. 3 and 4
N/2 Sec. 9
All Sec. 10
W/2 Sec. 11
SW/4 Sec. 13
All Secs. 14 and 15
All Secs. 22, 23
NW/4 and W/2 SW/4 Sec. 24
W/2 Sec. 25
All Secs. 26, 27, 34 and 35
W/2 Sec. 36

Township 25 South, Range 36 East
All Secs. 1, 2, 3, 11, 12, 13, 14, 23,
24, 25, 26 and 36

Township 25 South, Range 37 East
SW/4 Sec. 6
W/2 Sec. 7
W/2 Sec. 18
W/2 and W/2 E/2 Sec. 19
W/2 Sec. 30
All Sec. 31
SW/4 Sec. 32

EXHIBIT "F"

Horizontal limits of the Langlie-Mattix Oil Pool

Township 23 South, Range 36 East

All of Secs. 1, 2, 3, 10, 11, 12, 13, 14,
23, 24, 25, 26, 35 and 36

Township 23 South, Range 37 East

W/2 Sec. 6

All of Secs. 7, 18, 19

W/2 W/2 Sec. 26

All Sec. 27

S/2 Sec. 28

All Secs. 29 through 35, inclusive

Township 24 South, Range 36 East

All Sec. 1

E/2 Sec. 2

E/2 Sec. 11

All Sec. 12

N/2 and SE/4 Sec. 13

E/2 and E/2 SW/4 Sec. 24

E/2 Sec. 25

E/2 Sec. 36

Township 24 South, Range 37 East

All of Secs. 2 through 11, inclusive

All of Secs. 14 through 23, inclusive

SW/4 Sec. 25

All Secs. 26 through 35, inclusive

W/2 Sec. 36

Township 25 South, Range 37 East

All of Secs. 2 through 5, inclusive

N/2 and SE/4 Sec. 6

E/2 Sec. 7

All of Secs. 8 through 11, inclusive

W/2 Sec. 13

All Secs. 14 through 17, inclusive

E/2 Sec. 18

E/2 E/2 Sec. 19

All Secs. 20 through 23, inclusive

W/2 Sec. 24

All Sec. 25

All Secs. 26 through 29, inclusive

E/2 Sec. 30

N/2, SE/4 Sec. 32

All Secs. 33, 34 and 35

W/2 Sec. 36

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EXHIBIT "F" (Cont'd)

Township 26 South, Range 37 East
NW/4 Sec. 1
NE/4 Sec. 2

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Order No. R-520

EXHIBIT "G"

Horizontal limits of the South Eunice Oil Pool

Township 21 South, Range 35 East
E/2 Sec. 36

Township 21 South, Range 36 East
All Sec. 31
SW/4 Sec. 32

Township 22 South, Range 35 East
E/2 Sec. 1

Township 22 South, Range 36 East
W/2 Sec. 3
All Secs. 4 through 10, inclusive
SW/4 Sec. 11
W/2 Sec. 14
All Secs. 15 through 23, inclusive
All Secs. 25 through 29, inclusive
E/2 Sec. 30
NE/4 Sec. 31
All Secs. 32 through 36, inclusive

EXHIBIT "H"
GAS-OIL RATIO TEST SCHEDULE

NAME OF POOL	GOR LIMIT	TEST PERIOD			DEADLINE FOR FILING FORM C-116
<u>Oil Pools</u>					
Arrowhead	3500	Nov.	Dec.		Jan. 15, 1955
Cooper-Jal	10000	Sept.			October 15, 1954
Eunice	6000	Oct.	Nov.	Dec.	January 15, 1955
Monument	3000	July	Aug.	Sept.	October 15, 1954
South Eunice	10000	Sept.	Oct.		November 15, 1954
Hardy	10000	Sept.	Oct.		November 15, 1954
Langlie-Mattix	10000	Sept.			October 15, 1954
Leonard	10000	Sept.			October 15, 1954
South Leonard	10000	Sept.			October 15, 1954
Penrose-Skelly	10000	Sept.	Oct.	Nov.	December 15, 1954
Rhodes	10000	Sept.	Oct.		November 15, 1954
<u>Gas Pools</u>					
Arrow	10000	Oct.	Nov.		December 15, 1954
Eumont	10000	Oct.	Nov.	Dec.	January 15, 1955
Jalmat	10000	Sept.	Oct.	Nov.	December 15, 1954

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

W. B. MACEY, Member and Secretary

S E A L