

Case No.

56

Application, Transcript,
Small Exhibits, Etc.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

March 16, 1945

MEMORANDUM TO GOVERNOR JOHN J. DEMPSEY:

Re: Case 56 - Maljamar Cooperative Repressuring Agreement

As suggested by the Commission at the hearing of the above captioned matter on January 8, an amended petition and copy of supplement to Maljamar Cooperative Repressuring Agreement have been filed by Honorable Clarence Hinkle.

Mr. Hinkle, the project engineer and I have had recent conferences with the view of devising an appropriate order to be submitted to your Commission for its consideration at its next meeting.

The operators committee sought a revision of the existing order as to system of oil distribution and gas control as to the area committed under their agreement and supplement but their original petition was insufficiently clear; their amended petition overcomes that objection.

OIL CONSERVATION COMMISSION

BY

CBL:MS

C
O
P
Y

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

March 16, 1945

MEMORANDUM TO COMMISSIONER OF PUBLIC LANDS
JOHN E. MILES:

Re: Case 56 - Maljamar Cooperative Repressuring Agreement

As suggested by the Commission at the hearing of the above captioned matter on January 8, an amended petition and copy of supplement to Maljamar Cooperative Repressuring Agreement have been filed by Honorable Clarence Hinkle.

Mr. Hinkle, the project engineer and I have had recent conferences with the view of devising an appropriate order to be submitted to your Commission for its consideration at its next meeting.

The operators committee sought a revision of the existing order as to system of oil distribution and gas control as to the area committed under their agreement and supplement but their original petition was insufficiently clear; their amended petition overcomes that objection.

OIL CONSERVATION COMMISSION

BY:

CBL:KS

C
O
P
Y

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

A. N. WILLIAMS
PRESIDENT

SYMBOLS

DL - Day Letter
NL - Night Letter
LC - Deferred Cable
NLT - Cable Night Letter
10 Ship Radiogram

Time of receipt is STANDARD TIME at point of destination

VB58 52 HOBBS NMEX 10 959A

CARL B LIVINGSTON,

OIL CONSERVATION COMMISSION= SF=

Case 56

PRORATION PLAN WORKED OUT BY MALJAMAR COOPERATIVE GROUP
O.K. HAVE TALKED WITH HINKLE AND SUGGEST THAT YOU AND
HE WORK OUT WORDING OF ORDER SO STEPS SHOWING FACTORS
USED ARE CLEAR AND UNDERSTANDABLE THIS CAN BE DONE BY A
VERY BRIEF STATEMENT. WRIGHT AND HINKLE WILL MEET WITH
YOU FIRST OF WEEK=

GLENN STALEY.

MALJAMAR O.K. HINKLE.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

Charge to the account of

CLASS OF SERVICE DESIRED	
DOMESTIC	CABLE
TELEGRAM	ORDINARY
DAY LETTER	URGENT RATE
NIGHT LETTER	DEFERRED
NIGHT LETTER	NIGHT LETTER

Please check class of service desired; otherwise the message will be transmitted as a telegram of ordinary class.

WESTERN UNION

A. N. WILLIAMS
PRESIDENT

1206

CHECK
ACCOUNTING INFORMATION
TIME FILED

Send the following telegram, subject to the terms on back hereof, which are hereby agreed to

SANTA FE, NEW MEXICO MARCH 8, 1945

HONORABLE CLARENCE HINKLE
HENRY, DOW, HILL & HINKLE
ROSWELL, NEW MEXICO

PLEASE SUBMIT TWO EXTRA COPIES OF AMENDED PETITION SO BOTH COMMISSION MEMBERS MAY HAVE ONE.

CARL B. LIVINGSTON
CHIEF CLERK & LEGAL ADVISER

SEND: STRAIGHT TELEGRAM
CHG: OIL COMMISSION

FOR VICTORY
BUY
WAR BONDS
TODAY

Charge to the account of

CLASS OF SERVICE DESIRED	
TELEGRAM	CABLE
DAY LETTER	ORDINARY
SERIAL	URGENT RATE
NIGHT LETTER	DEFERRED
	NIGHT LETTER

Patrons should check class of service desired, otherwise the message will be transmitted as a telegram of ordinary message.

WESTERN UNION

1206

A. N. WILLIAMS
PRESIDENT

CHECK
ACCOUNTING INFORMATION
TIME FILED

Send the following telegram, subject to the terms on back hereof, which are hereby agreed to.

SANTA FE, NEW MEXICO MARCH 8, 1945

HONORABLE CLARENCE HINKLE
HERVEY, DOW, HILL & HINKLE
ROSWELL, NEW MEXICO

PLEASE SUBMIT TWO EXTRA COPIES OF AMENDED PETITION SO BOTH COMMISSION MEMBERS MAY HAVE ONE.

CARL B. LIVINGSTON
CHIEF CLERK & LEGAL ADVISER

SEND: STRAIGHT TELEGRAM
CHG: OIL COMMISSION

FOR VICTORY
BUY
WAR BONDS
TODAY

CARBON

LAW OFFICES

HERVEY, DOW, HILL & HINKLE

ROSWELL, NEW MEXICO

J. M. HERVEY
HIRAM M. DOW
CURTIS HILL
CLARENCE E. HINKLE

W. E. BONDURANT, JR.

March 6, 1948

Mr. George Wikel
Secretary, Operators' Committee
Maljamar Cooperative Repressuring Agreement
Caroer Building
Artesia, New Mexico

Dear Sir:

Re: Petition to Oil Conservation
Commission for Approval of
Allocation Plan.

This will confirm our conversation last week relative to the amended petition in the above matter which we filed with the Oil Conservation Commission. We forwarded the amended petition to the Oil Conservation Commission as soon as it was received and requested, if possible, that the order be entered prior to March 1st. Mr. Carl Livingston, Attorney for the Commission, called the writer by telephone stating that it would be impossible for him to get the order ready for the meeting of the Commission on the 27th or 28th and that anyway he wanted to discuss with me the form the order should take before it was entered.

Mr. Livingston called attention to paragraphs VI and VII of order No. 486 which was entered on December 1, 1942 by the Oil Conservation Commission approving the Maljamar Cooperative Repressuring Agreement. Paragraphs VI and VII of this order are as follows:

"VI. That said 13 in-put wells described in Section V of the Order herein are hereby assigned the top allowable for one year beginning with the effective date of this Order. Thereafter, said in-put wells if further used as such shall have such allowable for such period of time as determined by the Commission administratively; likewise, other in-put wells authorized to be selected as provided in Section V of the Order herein shall have such allowable for such period of time as field tests to the Commission may seem advisable.

"Sixty percent of the allowable lost by in-put wells shall be redistributed to all the other top allowable production units within the committed area by dividing the above mentioned amount lost through the use of the in-put wells by the number of top

Page 2

allowable producing wells in the committed area and the amount so determined would be added to the regular top allowable for each well. If the operators subject to said agreement do not desire to produce such excess allowable during any month the Operators' Committee would in that event notify the Commission before the allowable for such month is fixed and not later than the 25th day of the month preceding.

"VII. That the proration units within the committed area shall not exceed the production of 44 barrels of oil daily should the current allowable in the future exceed that amount; subject however, to the right of the Operators' Committee to petition the Commission administratively, by the 25th day of the month before the fixing of any monthly allowable, to change or modify such maximum allowable for the committed area."

Mr. Livingston would like the Operators' Committee's opinion as to whether or not in view of the contemplated plan of allocation these two provisions should not be deleted from or taken out of the existing order or modified so as to be in harmony with the contemplated allocation plan. It is the writer's personal reaction to this matter that it will be necessary to modify these provisions of Order 485 in approving the plan of allocation.

Paragraph VI could be modified to provide that the existing in-put wells should be assigned the same allowable assigned to non-marginal wells under the allocation plan, so long as each such well is being used solely as an in-put well. It seems to us that under the contemplated allocation plan there would be no further need for paragraph VII as it is contemplated that the schedule showing the allocation for each month will be submitted for the approval of the Commission. Mr. Livingston also suggested that it would be well to get up as quickly as possible the contemplated schedule of allocation for April and to submit it to the Commission so that this can be approved as to form at the same time the order is entered. By handling in this manner both the order and schedule can be approved at the next meeting to be held the latter part of this month, both to be effective as of April 1st. We would suggest that

Page 3

you get up a tentative form of schedule for the allocation for April and send it to the writer as quickly as possible so that I may discuss with Mr. Livingston the form the schedule is to take and return it to you with any suggestions so that you may have it for discussion and approval at the meeting of the Operators' Committee which I understand is to be held on March 16th.

Yours sincerely,

HERVEY, DOW, HILL & HINKLE

By 

CEH:LF

cc-Mr. Carl Livingston
Oil Conservation Commission
Santa Fe, New Mexico

Mr. F. M. Jacobson
Buffalo Oil Company
Dallas 1, Texas

LAW OFFICES.
HERVEY, DOW, HILL & HINKLE
ROSWELL, NEW MEXICO

J. M. HERVEY
HIRAM M. DOW
CURTIS HILL
CLARENCE E. HINKLE

Feb 25, 1945.

Carl B. Swington
Oil Conservation Commission
Santa Fe, New Mexico.

Dear Carl:

I enclose amended petition
of operators committee of Maljamar
Refining Agreement together with
copy of Supplement to Refining
Agreement which is referred to in
the petition.

I did not receive these
in time to get a letter of transmittal
dictated to you yesterday. I am meaning
them now so that it may be possible
to enter the order when the commission
meets this week. Mr. Scott the engineer
said that he had talked to Gov. Duffey and
Gov. Miles and they stated they would sign
the order if you had it ready at the next
meeting. The Maljamar people are anxious
that this be done.

I did not have an executed copy of the supplement so as to make the enclosed copy a confirmed copy but I will have one prepared as soon as possible and substitute it for the enclosed copy at a later date and would not want the order held up on that account.

It seems to me that the order could be made rather short and simple in this case and I hope that you can have it entered this month.

Anything you can do to help me out in this matter will be greatly appreciated.

With best regards, I am

Yours sincerely,
James H. Smith

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

AMENDED PETITION OF OPERATORS' COMMITTEE, ACTING
UNDER AND PURSUANT TO THE MALJAMAR COOPERATIVE
REPRESSURING AGREEMENT FOR APPROVAL OF PLAN FOR
ALLOCATION OF OIL PRODUCTION WITHIN THE MALJAMAR
COOPERATIVE REPRESSURING AREA.

TO THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO
SANTA FE, NEW MEXICO

Comes the Operators' Committee, acting under and pursuant to the Maljamar Cooperative Repressuring Agreement and respectfully shows:

1. That on August 5, 1941, an agreement known as the Maljamar Cooperative Repressuring Agreement was made and entered into for the purpose of erecting and maintaining a repressuring or pressure maintenance plant and system so as to secure the greatest ultimate recovery of oil and gas from the cooperative area committed to said agreement, a copy of said agreement having been heretofore filed with the Oil Conservation Commission of New Mexico in connection with Case No. 36 in which Order No. 485 of the Commission was entered, reference to which said agreement and order is hereby made and thereby made a part hereof.

2. That the lands originally committed to the Maljamar Cooperative Repressuring Agreement as shown by said agreement and said Order No. 485, are as follows:

E $\frac{1}{2}$ Sec. 14, E $\frac{1}{2}$ Sec. 15, All of Secs. 17, 18, 19, 20, 21, 22, 27, 28, 29 and 30, N $\frac{1}{2}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, and S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 23, S $\frac{1}{2}$ NW $\frac{1}{4}$ and SW $\frac{1}{4}$ Sec. 26, N $\frac{1}{2}$ and W $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 31, N $\frac{1}{2}$ and SE $\frac{1}{4}$ Sec. 33, NE $\frac{1}{4}$ and W $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34, W $\frac{1}{2}$ Sec. 35, T. 17 S., R. 32 E., N.M.P.M., Lea County, New Mexico

That said repressuring agreement provides that other lands within the cooperative area may be committed to said agreement, which adjoin the lands already committed to said agreement, and said Order No. 485 of the New Mexico Oil Conservation Commission provides that as the committed area within the boundaries of the cooperative area is enlarged, that the Operators' Committee shall notify the Commission of the additional area committed and that the Commission may approve such additional area so committed administratively without further notice and formal hearing. That with a view to committing additional lands within the cooperative area to the repressuring agreement, a supplement to the Maljamar Cooperative Repressuring Agreement of August 5, 1941, has been entered into and is now in the process of being submitted for the approval of the Secretary of the Interior, and subject to approval by the Secretary of the Interior and the Oil Conservation Commission administratively as provided by said Order No. 485, said supplemental agreement will commit the following additional lands within the cooperative area to said agreement:

SW $\frac{1}{4}$ Sec. 15, S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 16, E $\frac{1}{2}$ E $\frac{1}{2}$ Sec. 17,
W $\frac{1}{2}$ W $\frac{1}{2}$ Sec. 18, S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23, N $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ and SE $\frac{1}{4}$
Sec. 26, E $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34, T. 17 S., R. 32 E.,
N.M.P.M., Lea County, New Mexico.

That a copy of the supplement to the Maljamar Cooperative Repressuring Agreement referred to hereinabove is filed herewith and by reference made a part hereof.

3. That Section VII of said Order No. 485 provides as follows:

"That the proration units within the committed area shall not exceed the production of 44 barrels of oil daily should the current allowable in the future exceed that amount; subject, however, to the

right of the Operators' Committee to petition the Commission administratively, by the 25th day of the month before the fixing of any monthly allowable, to change or modify such maximum allowable for the committed area."

That by subsequent executive action of the Commission, acting pursuant to the above quoted provision of said Order No. 485, the daily top allowable for each non-marginal unit within the committed area has been fixed each month as provided by said order.

4. That the Operators' Committee has caused a thorough investigation to be made by its Engineering Committee, of the most effective method of allocating the oil production to the proration units committed and to be committed to said repressuring agreement so as to obtain the greatest benefits possible from the operation of said repressuring or pressure maintenance plant and facilities, and that the Operators' Committee has found that the greatest benefit will accrue to, and it will be for the best interests of all concerned, and that it will have the effect of preventing waste as provided by the New Mexico Oil Conservation Act, and is fair to the royalty owners owning royalty payable out of the production from said land, that the production of oil to be allocated to the area committed to said repressuring agreement as provided by Section 11 of the Oil and Gas Conservation Act of New Mexico (Chapter 72, New Mexico Session Laws of 1935), and as provided by the statewide proration Order No. 538 and said Order No. 485, should in turn be allocated to the proration units within said area in accordance with a plan or method of distribution agreed upon by the parties to said repressuring agreement and supplement thereto, as provided by Section 12 of the said

New Mexico Conservation Act. The production to be allocated to the proration units within said area would be allocated on the basis of bottom hole pressures, gas-oil ratio, and individual well production rate in accordance with tests to be approved by the Commission and production allocation schedules to be submitted each month by the Operators' Committee acting under said Maljamar Cooperative Repressuring Agreement and supplement thereto for approval of the Commission. It is proposed that said schedule of allocation for each month would be submitted to the Commission on or before the 20th day of each month to be effective for the succeeding month and that copies thereof would be furnished to the proration office at Hobbs, New Mexico, for the purpose of expediting approval of the same by the Commission. It is, of course, contemplated that said schedule will provide for the allocation of the production of oil allocated to the lands committed to said cooperative repressuring area within the maximum allowable for the proration units involved, and subject to the provisions of Section VII of said Order 485 hereinabove referred to.

WHEREFORE, petitioner respectfully requests that the Oil Conservation Commission of the State of New Mexico, acting pursuant to law and the rules and regulations of the Commission approve the plan outlined herein for the allocation of the production of oil to be assigned each month to the area committed to the Maljamar Cooperative Repressuring Agreement.

Respectfully submitted,

OPERATORS' COMMITTEE, ACTING
UNDER AND PURSUANT TO MALJAMAR
COOPERATIVE REPRESSURING AGREEMENT

By

Emery Carter
Chairman

STATE OF NEW MEXICO)
)SS
COUNTY OF EDDY)

Emery Carper, being first duly sworn upon his oath states: That he is the Chairman of the Operators' Committee, acting under and pursuant to the Maljamar Cooperative Repressuring Agreement of August 5, 1941, and has been duly authorized by said Committee to execute the above and foregoing petition for and on behalf of said Committee, and that he has read the same and to the best of his knowledge and belief the statements therein contained are true and correct.

Emery Carper

SUBSCRIBED AND SWORN TO BEFORE ME this 22nd day of

February, 1945.

Arden Goehring
Notary Public

My Commission Expires

April 21, 1948

SUPPLEMENT TO MALJAMAR COOPERATIVE
REPRESSURING AGREEMENT

Lea County, New Mexico

THIS SUPPLEMENTAL AGREEMENT, made and entered into this the _____ day of _____, 1944, by and between the Maljamar Oil & Gas Corporation, a Delaware corporation; Emery Carper, joined by his wife, Etta Carper; Grady Booker, joined by his wife, Nelle Booker, Stanley Carper, joined by his wife, Edna Carper, Marshall Rowley, joined by his wife, June Rowley, and Frances Booker, being all of the members of the Carper Drilling Company, a co-partnership, of Artesia, New Mexico; Kewanee Oil Company, a Delaware corporation, of Philadelphia, Pennsylvania; Barney Cockburn and wife, Zula Cockburn, and Johney Cockburn and wife, Thelma Cockburn, individually, and doing business as the Barney Cockburn Company, a co-partnership, of Artesia, New Mexico; E. G. Woods, a widow, of Artesia, New Mexico; R. W. Fair and wife, Mattie Fair, and R. W. Fair and Mattie Fair, Trustees for the Fair Foundation, of Tyler, Texas; Drilling & Exploration Co., Inc.; Petroleum Exploration Co., Inc.; G. V. Allen and wife Pearl Allen, and such other owners of oil and gas leases or rights of any nature in or to oil and gas deposits within the cooperative area defined by the original Maljamar Cooperative Repressuring Agreement of August 5, 1941 as may hereafter become parties by subscribing hereto.

W I T N E S S E T H:

WHEREAS on the 5th day of August, 1941, an agreement was made and entered into by and between the Maljamar Oil &

Gas Corporation, a Delaware corporation, with offices at Artesia, New Mexico; Emery Carper, joined by his wife, Etta Carper; Grady Booker, Joined by his wife, Nelle Booker; Stanley Carper, Joined by his wife, Edna Carper; Marshall Rowley, joined by his wife, June Rowley; Glenn W. Booker, joined by his wife, Frances Booker, being all of the members of the Carper Drilling Company, a co-partnership, of Artesia New Mexico; Barney Cockburn, Joined by his wife, Zula Cockburn, of Lubbock, Texas; Johnney Cockburn, Joined by his wife, Thelma Cockburn, of Lubbock, Texas; E. G. Woods, Joined by her husband, A. T. Woods, of Artesia, New Mexico; R. W. Fair, joined by his wife, Mattie Fair, and R. W. Fair and Mattie Fair, Trustees of the Fair Foundation, of Tyler, Texas, known as the "Maljamar Cooperative Repressuring Agreement", said agreement having as its subject matter certain cooperative pressure maintenance operations upon the following described lands which are designated in said agreement as constituting the Cooperative Area, to-wit:

Sections 14 to 23, inclusive, and Sections
26 to 35, inclusive, Twp. 17 S., Rge. 32 E.,
N.M.P.M., Lea County, New Mexico,

said agreement having been duly approved by the Secretary of the Interior on September 29, 1941, and assigned contract number I-Sec. No. 341, and which said agreement is hereby referred to, and thereby made a part hereof, as if set out herein in full, and each of the undersigned parties hereby acknowledge receipt of a true and correct copy thereof; and

WHEREAS, the pressure maintenance plant and natural gasoline plant contemplated by said Maljamar Cooperative Repressuring Agreement have been constructed and are now in operation; and

WHEREAS, all of the leasehold interests covering the lands originally committed to said Maljamar Cooperative Repressuring agreement are now owned by the Maljamar Oil & Gas Corporation, the members of the Carper Drilling Company, a co-partnership, the Kewanee Oil Company, Barney Cockburn and wife, Zula Cockburn, and Johnney Cockburn and wife, Thelma Cockburn, individually, and doing business as the Barney Cockburn Company, a co-partnership, E. G. Woods, a widow, R. W. Fair and wife, Mattie Fair, and R. W. Fair and Mattie Fair, Trustees for the Fair Foundation.

WHEREAS, the following described oil and gas leasehold interests embracing land within the Cooperative Area designated in said agreement were not committed to the agreement as the same was originally executed and approved by the Secretary of the Interior of the United States, to-wit:

Oil & Gas Lease Las Cruces Serial No. 054687, embracing the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15, Twp. 17 S., Rge. 32 E., N.M.P.M., embraced in sub-lease held by Maljamar Oil & Gas Corporation;

Oil & Gas Lease Las Cruces Serial No. 058697(a) embracing the S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23, Twp. 17 S., Rge. 32 E., Kewanee Oil Company;

Oil & Gas Lease Las Cruces Serial No. 061841(a) formerly 029400(a), embracing the N $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26, Twp. 17 S., Rge. 32 E., Kewanee Oil Company;

Oil & Gas Lease Las Cruces Serial No. 058408(a), formerly 030437(a), embracing the W $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 26, Twp. 17 S., Rge. 32 E., R. W. Fair, G. V. Allen and Robert Walter Fair and Mattie Fair, Trustess of the Fair Foundation, a trust estate;

Oil & Gas Lease Las Cruces Serial No. 058408(b), formerly 030437 (b), embracing SE $\frac{1}{4}$ Sec. 26, Twp. 17 S., Rge. 32 E., R. W. Fair, G. V. Allen and Robert Walter Fair and Mattie Fair, Trustees of the Fair Foundation, a trust estate;

Oil & Gas Lease Las Cruces Serial No. 030437(a), embracing the E $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 26, Twp. 17 S., Rge. 32 E., N.M.P.M., Drilling & Exploration Co., Inc; and Petroleum Exploration Co., Inc.;

Oil & Gas Lease Las Cruces 058728, formerly 029409(b), embracing the E $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34, Twp. 17 S., Rge. 32 E., N.M.P.M., containing 80 acres, more or less, Kewanee Oil Company;

Oil & Gas Lease issued by the State of New Mexico acting by and through its Commissioner of Public Lands, bearing No. B-155, embracing S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 16, Twp. 17 S., Rge. 32 E., N.M.P.M., held by the Kewanee Oil Company;

and,

WHEREAS, a question has been raised as to whether or not oil and gas lease Las Cruces Serial No. 060329, held by the Kewanee Oil Company, embracing the E $\frac{1}{2}$ E $\frac{1}{2}$ Section 17, W $\frac{1}{2}$ W $\frac{1}{2}$ Section 18, Township 17 South, Range 32 East, N.M.P.M., was properly committed to said repressuring agreement on account of the fact that prior to the time of commitment of the original lease covering said land to said agreement by the Maljamar Oil & Gas Corporation the said Maljamar Oil & Gas Corporation had executed assignments covering said lands; however, it was the intention and desire of the assignees of the Maljamar Oil & Gas Corporation and Kewanee Oil Company, present owner and holder thereof, that said land should be committed to said agreement, and

WHEREAS, the parties hereto desire to commit the above described leasehold interests to said Maljamar Cooperative Repressuring Agreement, and at the same time to supplement and modify said agreement in certain respects.

NOW, THEREFORE, IT IS MUTUALLY AGREED BY AND BETWEEN THE UNDERSIGNED PARTIES, subject to the approval of the Secretary of the Interior of the United States, as follows:

1. That the oil and gas leases hereinabove described in so far as the same cover and affect the SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15;

S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 16; E $\frac{1}{2}$ E $\frac{1}{2}$ Sec. 17; W $\frac{1}{2}$ W $\frac{1}{2}$ Sec. 18; S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23; N $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ and SE $\frac{1}{4}$ Sec. 26; E $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34, Twp. 17 S., Rge. 32 E., N.M.P.M., Lea County, New Mexico, shall be and are hereby committed to the Maljamar Cooperative Repressuring Agreement of August 5, 1941, hereinabove referred to and by reference made a part hereof, and the owners of said oil and gas leases agree to be bound by the terms of the said Maljamar Cooperative Repressuring Agreement, the same as if they had been original parties thereto, and said leasehold interests had been originally committed thereto, subject, however, to the provisions hereof, supplementing, modifying and amending the same.

2. That attached hereto, made a part hereof and for purposes of identification marked Exhibit "A" is an ownership map of the Maljamar Cooperative Repressuring Area, showing by symbols and color the ownership and lands subject to said agreement, as supplemented and modified herein, which shall be and is hereby substituted for the map attached as Exhibit "A" to the original agreement.

3. That Paragraph 1 of Article IV of the original Maljamar Cooperative Repressuring Agreement shall be, and the same is hereby amended to read as follows:

1. Generally, in addition to doing the things herein specifically provided to do any and all other things necessary and convenient for carrying out the terms and spirit of this agreement, including but not limited to the purchase and installation of equipment, employment of personnel, selection of key wells, control of injection volumes, maintenance of back pressures, abandonment and salvage of plant, equipment, and other facilities. The Operators' Committee may delegate the performance of any of its duties to the executive committee or employees.

4. That Article XI of the original repressuring agreement shall be, and the same is hereby amended to read as follows:

✓ REPRESSURING: For the purpose of conserving the natural resources and of securing the greatest ultimate practical recovery of oil and gas from the Cooperative Area, all natural gas produced from properties subject hereto except gas used for development and operations, or unavoidably lost, shall be returned, in so far as practicable to the Grayburg and San Andres oil producing formations of the Cooperative Area. Each lease owner shall equip all wells subject hereto in a manner approved by the Operators' Committee for the separation of oil and gas and all gas is to be furnished without charge for repressuring or pressure maintenance.

Any lease owner having five wells or less in the Cooperative Area subject hereto shall not be required to furnish an injection well without the consent of such owner.

For the purpose of returning the gas to the producing formations and extracting the natural gasoline therefrom and treating the same, all necessary plants and pipe lines shall be constructed and laid under the direction of the Operators' Committee. The cost of constructing said plants and any additions thereto and of laying said pipe lines and the operation thereof shall be borne by the parties hereto in the proportion that the production of oil from their respective properties bears to the total production from all of the properties committed hereto.

Said repressuring or pressure maintenance plant, system, equipment, facilities and natural gasoline plant shall be owned by the parties hereto, and any net income therefrom shall be apportioned to the parties hereto, in the proportion that the amount paid or contributed by them respectively toward the construction of said plants, system and facilities bears to the total sum paid or contributed by the parties hereto therefor. There shall be no retroactive re-apportionment or adjustment as to any parties committing properties subsequent to the effective date of the original repressuring agreement.

The cost of the construction of said plants, system and facilities shall be paid out of the proceeds derived from the sale of 1/16 of 7/8 of all of the oil produced, saved, and marketed from the leasehold interests committed hereto and the respective parties hereto shall assign said proportionate part from the proceeds from said production as may be directed by the Operators' Committee to secure the payment of any indebtedness incurred by the Operators' Committee in connection with the construction of said plants, system and facilities, or the improvement, enlargement, or extension thereof, said proceeds to be applied upon said indebtedness until the same is fully paid and satisfied.

5. This supplement to the Maljamar Cooperative Repressuring Agreement shall become effective at 7 o'clock A.M. on the first day of the month following the approval thereof by the Secretary of the Interior.

6. This supplemental agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and the subsequent signing of this supplemental agreement, or any counterpart thereof by an owner or owners of oil and gas leases, or interests therein, embracing lands within the Cooperative Area shall be sufficient upon the approval thereof by the Secretary of the Interior to commit such lands to the Maljamar Cooperative Repressuring Agreement of August 5, 1941, as supplemented and amended hereby.

7. The provisions hereof shall be considered as covenants running with the ownership of the oil and gas leases committed to the Maljamar Cooperative Repressuring Agreement, as supplemented and amended hereby, and shall be binding upon each successive owner.

IN WITNESS WHEREOF, the parties hereto have caused this supplemental agreement to be executed as of the dates set opposite their respective signatures, and the undersigned parties committing interests to the Maljamar Cooperative Repressuring Agreement, as supplemented and amended hereby not heretofore committed have described below their respective signatures the interests committed to said agreement.

MALJAMAR OIL & GAS CORPORATION

ATTEST:

By _____

Secretary

Date

Address

Serial Number:
054687

SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 15, Twp. 17 S.
Rge. 32 E., N.M.P.M.

Acres: No. of Wells:
40 1

_____(EC)
_____(EC)
_____(GB)
_____(NB)
_____(SC)
_____(EC)
_____(MR)
_____(JR)
_____(FB)

Being all of the members of the
Carper Drilling Company, a
co-partnership.

Date

Address

KEWANEE OIL COMPANY

ATTEST:

By _____
President

Secretary

Date

Address

Serial Number:
(Las Cruces)

Acres: No. of Wells:

060329 E $\frac{1}{2}$ E $\frac{1}{2}$ Sec. 17, W $\frac{1}{2}$ W $\frac{1}{2}$ Sec. 18, Twp. 17 S., R. 32 E. 320

058697(a) S $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 23, Twp. 17 S. Rge. 32 E. 80

061841(a) formerly N $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 26, Twp. 17 S. Rge. 32 E. 80
029400(a)

058728, formerly E $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 34, Twp. 17 S. Rge. 32 E. 80
029409(b)

Oil & Gas
Lease issued
by State of
New Mexico
No. B-155

S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 16, Twp. 17 S. Rge. 32 E. 80

(RWF)

(MF)

(RWF)

(MF)

Trustees for the Fair Foundation,
a Trust Estate.

(GVA)

Date

Address

Serial Number:
(Las Cruces)

Acres: No. of Wells:

058408(a), formerly W $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 26, Twp. 17 S. Rge. 32 E. 80
030437(a)

058408(b) SE $\frac{1}{4}$ Sec. 26, Twp. 17 S. Rge. 32 E. 160

DRILLING & EXPLORATION CO., INC.

ATTEST:

By _____
President

Secretary

Date

Address

PETROLEUM EXPLORATION CO., INC.

ATTEST:

By _____
President

Secretary

Serial No:
Las Cruces
030437(a)

E $\frac{1}{2}$ NE $\frac{1}{4}$ Sec. 26, Twp.
17 S., Rge. 32 E.

Acres: No. of Wells

80

(BC)

(ZO)

(JC)

(TC)

doing business as BARNEY COCKBURN
COMPANY, a co-partnership

Date

Address

(EGW)

STATE OF _____ }
COUNTY OF _____ } SS

On this _____ day of _____, 1944, before me personally appeared _____, to me personally known, who being by me duly sworn, did say that he is the _____ President of Maljamar Oil & Gas Corporation, a Delaware corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this the day and year last above written.

My Commission Expires: _____

Notary Public

STATE OF NEW MEXICO }
COUNTY OF EDDY } SS

On this the _____ day of _____, 1944, before me personally appeared Emery Carper and wife, Etta Carper; Grady Booker and wife, Nelle Booker; Stanley Carper and wife, Edna Carper; Marshall Rowley and wife, June Rowley, and Frances Booker; being all of the members of the Carper Drilling Co., a co-partnership, to me personally known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this the day and year last above written.

My Commission Expires: _____

Notary Public

STATE OF _____ }
COUNTY OF _____ } SS

On this the _____ day of _____, 1944, before me personally appeared _____, to me personally known, who being by me duly sworn, did say that he is the _____ President of Kewanee Oil Company, a Delaware corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this the day and year last above written.

My Commission Expires: _____

Notary Public

STATE OF _____ }
COUNTY OF _____ } SS

On this the _____ day of _____, 1944, before me personally appeared R. W. Fair and wife, Mattie Fair, personally, and as Trustees for the Fair Foundation, to me personally known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal on the day and year in this certificate first above written.

My Commission Expires: _____

Notary Public

STATE OF _____ }
COUNTY OF _____ } SS

On this _____ day of _____, 1944, before me personally appeared _____, to me personally known, who being by me duly sworn, did say that he is the _____ President of Drilling & Exploration Co., Inc., a corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said _____, acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this the day and year last above written.

My Commission Expires: _____

Notary Public

STATE OF _____ }
COUNTY OF _____ }

On this _____ day of _____, before me personally appeared _____, to me personally known, who being by me duly sworn, did say that he is the _____ President of Petroleum Exploration Co., Inc., a corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said _____, acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this the day and year last above written.

My Commission Expires: _____

Notary Public

STATE OF _____ }
COUNTY OF _____ } SS

On this _____ day of _____, 1944, before me personally appeared G. V. Allen and wife, Pearl Allen, to me personally known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year in this certificate first above written.

My Commission Expires: _____

Notary Public

STATE OF _____ }
COUNTY OF _____ } SS

On this the _____ day of _____, 1944, before me personally appeared Barney Cockburn and wife, Zula Cockburn, Johny Cockburn and wife, Thelma Cockburn, being all of the members of the Barney Cockburn Company, a co-partnership, to me personally known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this the day and year last above written.

My Commission Expires: _____

Notary Public

STATE OF NEW MEXICO }
COUNTY OF EDDY } SS

On this the _____ day of _____, 1944, before me personally appeared E. G. Woods, a widow, to me personally known to be the person described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on the day and year in this certificate last above written.

My Commission Expires: _____

Notary Public

U. S. CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

C
O
P
Y

February 9, 1945

Honorable Clarence Hinkle
Hervey, Dow, Hill & Hinkle
Roswell, New Mexico

Re: Case 56 - Maljamar Project Petition

My dear Clarence:

In the case file with the petition in the above captioned matter it has been discovered that the petitioner filed an amendment dated January 6, 1945. This amendment is not to the petition itself but to that part of the exhibit entitled "recommendations", and refers to tests. I thought maybe you would wish to have this in the study of the whole matter in drawing the amended petition. You may already have this but I do not recall whether I gave it to you when you were here the other day.

It was a genuine pleasure to work with you in the matter of the amended petition when you were here a few days ago.

Kindest personal regards.

Cordially yours,

Chief Clerk & Legal Adviser

CHL:MS

AFFIDAVIT OF PUBLICATION

State of New Mexico, }
County of Lea }

Thomas B. Summers
Publisher

Of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a supplement thereof for a

period of One issue
weeks.

beginning with the issue dated _____

Dec 28, 1944

and ending with the issue dated _____

Thomas B. Summers
Publisher.

Sworn and subscribed to before me

this 28th day of _____

December, 1944.

Blanche Younger
Notary Public.

My commission expires _____

June 25, 1946
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

(Dec. 28)
NOTICE FOR PUBLICATION
STATE OF NEW MEXICO
OIL CONSERVATION
COMMISSION

The Oil Conservation Commission as provided by law, hereby gives notice of the following hearings to be held at Santa Fe, New Mexico at 10 A. M. January 8, 1945:

Case No. 56

In the matter of the petition of Operators Committee under Maljamar Cooperative Repressuring Agreement for a change in method of allocation of oil production and gas control for the Maljamar Cooperative Repressuring Area, consisting of Sections 14 to 23 inclusive and Sections 28 to 35 inclusive in Township 17S Range 32E. N. M. P. M., Lea County, New Mexico.

Case No. 57

In the matter of the application of Stanolind Oil & Gas Company for approval of the Southeast Vacuum Unit Agreement dated October 17, 1944, subscribed by the applicant and the Pure Oil Company, pertaining to lands within Sections 8, 9, 16 and 17, Township 18S Range 36E., N. M. P. M. in the Southeast Vacuum Area, Lea County, New Mexico.

Case No. 58

In the matter of the petition of the operators in Southeast New Mexico by Glenn Staley for a re-defining of the boundary lines of the oil and gas fields in Lea, Eddy and Chavez Counties, New Mexico.

Given under the seal of said Commission at Santa Fe, New Mexico on December 26, 1944.

OIL CONSERVATION
COMMISSION

By: (Sgd) John M. Kelly,
Secretary.

(SEAL)

Charge to the account of

CLASS OF SERVICE DESIRED	
TELEGRAM	CABLE
DAY LETTER	ORDINARY
SERIAL	URGENT RATE
NIGHT LETTER	DEFERRED
	NIGHT LETTER

Patrons should check class of service desired; otherwise the message will be transmitted as a telegram or ordinary cablegram.

WESTERN UNION

1206

A. N. WILLIAMS
PRESIDENT

CHECK
ACCOUNTING INFORMATION
TIME FILED

Send the following telegram, subject to the terms on back hereof, which are hereby agreed to

SANTA FE NEW MEXICO

DEC, 29, 1944

FOR VICTORY
BUY
WAR BONDS
TODAY

EMERY CARPER
ARTESIA, NEW MEXICO

HEARING
ON PETITION CONCERNING MALJAMAR COOPERATIVE REPRESSURING PROJECT

SET FOR 10 A.M., JANUARY 8, 1944.

CARL B. LIVINGSTON
CHIEF CLERK & LEGAL ADVISER

SEND: STRAIGHT TELEGRAM
CHG: OIL CONSERVATION COMMISSION

NOTICE FOR PUBLICATION
STATE OF NEW MEXICO
Oil Conservation Commission
The Oil Conservation Commission
as provided by law hereby gives no-
tice of the following hearings to be
held at Santa Fe, New Mexico, at
10 A. M., January 2, 1945:
Case No. 56

In the matter of the petition of
Operators' Committee under Mal-
jamar Cooperative Repressuring
Agreement for a change in meth-
od of allocation of oil production
and gas control for the Maljamar
Cooperative Repressuring Area
consisting of Sections 14 to 23 in-
clusive and sections 26 to 35 in-
clusive in Township 17S, Range
32E, N.M.P.M., Lea County, New
Mexico.

Case No. 57

In the matter of the application
of Stanolind Oil and Gas Com-
pany for approval of Southeast
Vacuum Unit Agreement dated
October 17, 1944, subscribed by the
applicant and the Pure Oil Com-
pany, pertaining to lands within
sections 8, 9, 16 and 17, Township
18S, Range 36E, N.M.P.M., in the
SE Vacuum Area, Lea County,
New Mexico.

Case No. 58

In the matter of the petition of
the Operators in Southeastern
New Mexico, by Glenn Staley, for
a redefining of the boundary lines
of the oil and gas fields in Lea,
Eddy and Chaves Counties, New
Mexico.

Given under the seal of said Com-
mission at Santa Fe, New Mexico,
on December 28, 1944.

OIL CONSERVATION
COMMISSION
By (Sgd) JOHN M. KELLY,
(SEAL) Secretary.
Pub. Dec. 28, 1944.

LL

at \$ 3.92

nes, \$

Tax \$

Total \$ 3.92

Received payment,

By

Affidavit of Publication

State of New Mexico, } ss.
County of Santa Fe }

I, C. B. Floyd, being first duly sworn,
declare and say that I am the (Business Manager) (~~Editor~~) of the Santa Fe
New Mexican, a daily newspaper, published in the English
Language, and having a general circulation in the City and County of Santa Fe, State of
New Mexico, and being a newspaper duly qualified to publish legal notices and adver-
tisements under the provisions of Chapter 167 of the Session Laws of 1937; that the
publication, a copy which is hereto attached, was published in said paper ~~on~~
for one time ~~consecutive days~~ ~~in the regular issue of the paper~~ during
the regular issue of the paper during the time of publication, and that the notice was
published in the newspaper proper, and not in any supplement, ~~on~~ for
one time ~~consecutive days~~ publication being on the
28th day of December, 1944, ~~and~~
that ~~payment~~ ~~has been~~ ~~made~~; that payment
for said advertisement has been (duly made), or (assessed as court costs); that the
undersigned has personal knowledge of the matters and things set forth in this affidavit.

[Signature]
Manager
Subscribed and sworn to before me, this 28th
day of December, A.D., 1944
[Signature]
Notary Public.

My Commission expires

June 11, 1945

CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

December 27, 1944

Santa Fe New Mexican
Santa Fe, New Mexico

Re: Notice for Publication
Cases 56, 57 and 58

Gentlemen:

Please publish the enclosed notice once, immediately.
Please proof read the notice carefully and send a copy of
the paper carrying such notice.

UPON COMPLETION OF THE PUBLICATION, PLEASE SEND
PUBLISHER'S AFFIDAVIT.

For payment please submit statement in duplicate
accompanied by voucher executed in duplicate. The vouchers
must be signed by a notary in the space provided on the back
of the voucher. The necessary blanks are enclosed.

Very truly yours,

John M. Kelly
Director

By

Chief Clerk & Legal Adviser

CBL:MS

C
O
P
Y

CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

December 27, 1944

Hobbs Daily News-Sun
Hobbs, New Mexico

Re: Cases 56, 57 and 58

Gentlemen:

Please send publisher's affidavit of the legal notice embracing the above captioned cases, which notice was transmitted to you today from Mr. Glenn Staley's office for immediate publication.

Enclosed please find voucher which is to be executed in duplicate and returned with your bill in duplicate.

Very truly yours,

John M. Kelly
Director

By

Chief Clerk & Legal Adviser

CBL:MS

C
O
P
Y

NOTICE FOR PUBLICATION
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

The Oil Conservation Commission as provided by law hereby gives notice of the following hearings to be held at Santa Fe, New Mexico, at 10 A.M., January 8, 1945:

Case No. 56.

In the matter of the petition of Operators' Committee under Maljamar Cooperative Repressuring Agreement for a change in method of allocation of oil production and gas control for the Maljamar Cooperative Repressuring Area consisting of Sections 14 to 23 inclusive and sections 26 to 35 inclusive in Township 17S, Range 32E, N.M.P.M., Lea County, New Mexico.

Case No. 57

In the matter of the application of Stanolind Oil and Gas Company for approval of the Southeast Vacuum Unit Agreement dated October 17, 1944, subscribed by the applicant and the Pure Oil Company, pertaining to lands within sections 8, 9, 16 and 17, Township 18S, Range 36E, N.M.P.M., in the SE Vacuum Area, Lea County, New Mexico.

Case No. 58

In the matter of the petition of the Operators in Southeastern New Mexico, by Glenn Staley, for a re-defining of the boundary lines of the oil and gas fields in Lea, Eddy and Chaves Counties, New Mexico.

Given under the seal of said Commission at Santa Fe, New Mexico,
on December 26, 1944.

OIL CONSERVATION COMMISSION

BY (SGD) JOHN H. KELLY
SECRETARY

SEAL

CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

C
O
P
Y

March 29, 1945

Honorable Clarence Hinkle
La Fonda Hotel
Santa Fe, New Mexico

Re: Order No. 595, Case 56

Dear Clarence:

Enclosed is a duplicate of the above captioned order executed by the Commission yesterday for transmittal to your client, the petitioners in the above captioned case. Also enclosed is a copy of said order for your files.

Kindest personal regards.

Very truly yours,

Carl B. Livingston

CBL:MS

P.S. Enclosed please find the Commission's letter of March 21 to the Secretary of the Interior with regard to the Rocky Arroyo Unit Agreement.

REPORT OF THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 56

ORDER NO. 595

THE PETITION OF THE OPERATORS' COMMITTEE
UNDER MALJAMAR COOPERATIVE REPRESSURING
AGREEMENT FOR A CHANGE IN METHOD OF
ALLOCATION OF OIL PRODUCTION AND GAS
CONTROL FOR THE COMMITTED AREA WITHIN
THE MALJAMAR COOPERATIVE REPRESSURING AREA.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at ten o'clock A.M., January 8, 1945,
at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico,
hereinafter referred to as the "Commission".

NOW, on this 28th day of March, 1945, the Commission having
before it for consideration the testimony adduced at the hearing of said case
and being fully advised in the premises;

IT IS THEREFORE ORDERED:

SECTION 1. That VI of Order 485 be and is hereby amended to read as
follows:

VI. (a) That the allocation to the committed area and the re-allocation
to the respective proration units therein shall be made upon the following plan:

(b) The Operators' Committee shall submit monthly to the Commission
for approval the nomination in total barrels daily and schedule of re-allocation
to the respective proration units.

(c) In no event shall any proration unit producing from horizons
other than the Grayburg or San Andres formations be prorated under this plan
of allocation, other than they shall not produce at a rate in excess of State
top allowable.

(d) Each proration unit shall be assigned an acreage allowable in
whatsoever amount production test shows that it is capable of making up to
but not exceeding 15 barrels daily.

(e) Each proration unit capable of producing the acreage allowable but
incapable of producing the additional allowable through the application of the
void space factor hereinafter provided shall be permitted to produce that
volume of oil as shown on its production test.

(f) All proration units capable of producing said acreage allowable plus the additional allowable through the application of the void space factor shall be assigned a proportionate part of the remaining nominated allowable; such proportionate part to be determined on the ratio that the void space created by each individual proration unit bears to the total void space created by all proration units, or in strict accordance with the following formula:

$$\frac{\text{Unit Void Space}}{\text{Total Unit Void Space}} \times \text{void space allowable} = \text{Number of units.}$$

(g) A proration unit upon which is located a newly completed or reconditioned well shall be assigned an allowable up to and including 30 barrels daily insofar as it is capable of producing such amount; that allowable being derived from the average void space created by all producing wells in the committed area. Such allowable to prevail only for those allocation periods in accordance with Proration Schedule Order No. 235 and until well can be properly tested and its allowable rate determined.

(h) Said nomination and schedule shall be submitted to the Commission and a duplicate shall be supplied to the Proration Office not later than the 20th day of each month preceding the next proration month.

SECTION 2. That VII of Order 485 be and is hereby amended to read as follows:

VII. Tests necessary in connection with the foregoing plan shall be those designated by the Commission, made by such methods and means, in such manner, and at such periods as the Commission in its discretion may prescribe from time to time.

SECTION 3. That VIII of Order 485 be and is hereby amended to read as follows:

VIII. That the order herein shall be inapplicable to any non-committed proration units within the cooperative area; such non-committed units shall receive their respective allocations in accordance with the State-Wide Proration Order and field gas-oil ratio limitation.

That this order shall be effective on execution and applicable to the Commission's Proration Schedule beginning with the next proration month.

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

OIL CONSERVATION COMMISSION


JOHN J. DEMPSEY, CHAIRMAN


JOHN E. MILES, MEMBER

CASE NO. 56.

BEFORE THE OIL CONSERVATION COMMISSION OF THE
STATE OF NEW MEXICO

IN THE MATTER of the petition of Operators' Committee under Maljamar Cooperative Repressuring Agreement for a change in method of allocation of oil production and gas control for the Maljamar Cooperative Repressuring Area consisting of Sections 14 to 23 inclusive and Section 26 to 35 inclusive in Township 17s, Range 32E, N.M.P.M., Lea County, New Mexico.

Pursuant to notice by the Commission, duly made and published, setting January 8, 1945, at ten o'clock a.m., for hearing in the above entitled matter, said hearing was convened on said day, at said hour, in the Coronado Room of the La Fonda, Santa Fe, New Mexico, the Commission sitting as follows:

HON. JOHN J. DEMPSEY, Governor
HON. JOHN E. MILES, Member
HON. JOHN M. KELLY, State Geologist, Secretary
HON. CARL B. LIVINGSTON, Chief Clerk and Legal Adviser

R E G I S T E R

<u>NAME</u>	<u>COMPANY</u>	<u>ADDRESS</u>
Glenn Staley	Lea County Operators	Hobbs, N. M.
E. J. Gallagher	Gulf Oil Corporation	Hobbs, N. M.
J. N. Dunlavey	Skelly Oil Company	Hobbs, N. M.
D. R. McKeithan	Phillips Petroleum Company	Barbersville, Okla.
C. A. Daniels	Phillips Petroleum Company	Oklahoma City, Okla.
N. R. Lamb	Continental Oil Company	Hobbs, N. M.
S. V. McCollum	Continental Oil Company	Midland, Texas
F. D. Baker	Kewanee Oil Company	Tulsa, Oklahoma
W. J. Wright	Maljamar Coop. Repressuring Agreement	Artesia, N. M.
Wilton E. Scott	Buffalo Oil Company	Artesia, N. M.
D. D. Bodie	Cities Service Oil Co.	Hobbs, N. M.
J. E. Regent	Sun Oil Company	Midland, Texas
J. W. House	Humble Oil Company	Midland, Texas
Ken Regan	McElvain-Regan	Midland, Texas
Earl Griffin	Phillips Petroleum Company	Amarillo, Texas
C. H. Gray	Repollo Oil Company	Midland, Texas
D. R. Dickson	Repollo Oil Company	Midland, Texas
Roy Yarbrough	Oil Conservation Commission	Hobbs, N. M.
Clarence Hinkle	Attorney	Roswell, N. M.
W. K. Davis	El Paso Natural Gas Co.	Jal, N. M.
L. F. Peterson	Stanolind Oil & Gas Co.	Ft. Worth, Texas
W. T. Hoy	Stanolind Oil & Gas Co.	Midland, Texas
W. M. Elias	Stanolind Oil & Gas Co.	Tulsa, Oklahoma
J. O. Seth (Att'y)	Stanolind Oil & Gas Co.	Santa Fe, N. M.
Ray McGlothlin	Petroleum Products Refining and Producing Company	Prewitt, N. M.
C. C. Cragin	El Paso Nat'l Gas Company	El Paso, Texas
J. E. Low	Amerada Petroleum Corp.	Midland, Texas
Chuck Aston	Consultant	Artesia, N. M.
Foster Morrell	U.S. Geological Survey	Roswell, N. M.
H. M. Dow	Harvey, Dow, Hill & Hinkle	Roswell, N. M.

"NOTICE OF PUBLICATION
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

The Oil Conservation Commission as provided by law hereby gives notice of the following hearing to be held at Santa Fe, New Mexico, at 10 A.M., January 8, 1945:

CASE NO. 56. In the matter of the petition of Operators' Committee under Maljamar Cooperative Repressuring Agreement for a change in method of allocation of oil production and gas control for the Maljamar Cooperative Repressuring Area consisting of Sections 14 to 23 inclusive and Sections 26 to 35 inclusive in Township 17S, Range 32E, N.M.P.M., Lea County, New Mexico.

Given under the seal of said Commission at Santa Fe, New Mexico, on December 26, 1944.

OIL CONSERVATION COMMISSION

By /s/ John M. Kelly
Secretary

S E A L

P R O C E E D I N G S

MR. F. D. BAKER: (Maljamar Cooperative Repressuring Agreement)

It was hoped Mr. Emery Carper, the Chairman, would be present this morning to present this plan, but death of a relative prevented him from being here. He wanted me to express his regrets that he couldn't be here, but is enthused with the plan and would like to see it gain all the merits possible. The plan itself is complete in the conclusions drawn by the engineering committee of the Maljamar Cooperative Repressuring Agreement, and recommendations made along with the exhibit supporting it.

It has been approximately six or eight months ago that the operators of the Maljamar Cooperative Repressuring Agreement requested the engineering committee to work up an allocation plan for this area, this plan as submitted is the one recommended by the engineering committee and approved unanimously by the Maljamar Cooperative Repressuring Agreement.

GOVERNOR DEMPSEY: Isn't this plan you have submitted entirely different from the one submitted when you asked to have a hearing?

MR. BAKER: No, Governor.

GOVERNOR DEMPSEY: Between this hearing and the other, the thought of your operators was just to put in a ratio counter-control plan. It was my understanding with talks with Mr. Carper and the Buffalo Oil man they wanted a gas ratio plan and no change in allowable plan.

MR. BAKER: This was the one and only plan submitted to the operators upon which they agreed.

GOVERNOR DEMPSEY: This is the only one that has been submitted to us.

MR. BAKER: Yes sir - We have every reason to believe at this time that we will have a successful program, but we realize at the same time we must have further control or further cooperative control between the operators as to allowables of oil and gas from the individual, and it was on these grounds we submitted the petition.

GOVERNOR DEMPSEY: What type of control,

MR. BAKER: Volumetric control in the area, we are trying to maintain as near as possible the original bottom hole pressure of the field. We feel we will increase the term of the life of the wells, but it is not only important we have control of the gas but some control over the amount of gas and oil taken from the individual wells.

GOVERNOR DEMPSEY: The operators all in accord who operate in that field?

MR. BAKER: Yes sir, unanimously adopted by all the operators about six months ago.

MR. KELLY: The plan wasn't submitted to the Commission until about a month ago.

MR. BAKER: That is right, but the plan was agreed on previously.

MR. KELLY: All operators in this field members of the Cooperative Agreement?

MR. BAKER: No, all with the exception of two operators, they were advised of the meeting at the time the plan was adopted, but did not attend the meeting, however, the plan was delivered to them before it was filed.

MR. KELLY: The plan was submitted to the Commission about a month ago. I talked with the operators and it was my understanding they were asking for a gas ratio plan. When the plan came in we studied it as well as we could, had no time to have any meetings. Find the plan is a complete change in the production rate set up by the State. The State law of 1935 states the field designation shall be on market demand and allowable shall fluctuate with market demand. That section is in violation with the 1935 Act. I feel the Commission should hear Mr. Baker completely, then give it more study.

GOVERNOR DEMPSEY: Under no circumstances will the Commission propose to pass on this today.

MR. BAKER: That paragraph could be deleted. That is the present allowable today, we had no intention of setting a fixed allowable or asking the Commission to approve the allowable.

MR. KELLY: You have no objection to that being deleted?

MR. BAKER: No sir.

MR. KELLY: You also state that "the individual well and lease allowable shall be computed by the Project Engineer of the Maljamar Cooperative Repressuring Agreement and submitted to the New Mexico Oil and Gas Commission on the 25th of each month to be entered on the following month's allowable distribution" Asking the Commission to delegate its authority to an individual.

GOVERNOR DEMPSEY: The Commission does not have the power to do that.

MR. BAKER: In the application of administering the plan, if the mechanics of it are "o.k.", the project engineer will work up these figures and submit them to the Commission.

MR. KELLY: He couldn't work them up, the Commission doesn't know what allowable will be given until the end of the month. He could not work up an allowable until we work it up.

MR. MODRALL: Do you not allocate to the unit a total volume of oil each month?

MR. KELLY: No sir, we make allocation for 40 acres and allow them to group it.

MR. MODRALL: That I think is the purpose of Mr. Baker. I think it is the same principal. Our purpose is merely to get an approval of an allocation plan. Whatever allowable is assigned by the Commission is to permit us to allocate it back to the wells.

MR. KELLY: The allowable is set monthly and not quarterly, we cannot go on a quarterly basis. We are limited by law to every 15 days.

MR. BAKER: In that respect we plan to make a determination of each three months period on the gas ratio and apply those figures for 90 days.

Two other gentlemen came, Mr. W. J. Wright, Project Engineer of this re-pressuring project and Mr. Wilton E. Scott of the Buffalo Oil Company, who are interested in the project also. If there is anything you wish to know regarding our operations in the field, either of these gentlemen will be glad to furnish them with the information. The whole purpose behind this is that we have the project and boundary approved by the Commission in order that we may carry on our program to get all the oil possible out of the area and we feel in order to accomplish this we are going to need an allocation plan such as we have recommended here. We, in no way, want to conflict with any of the laws of the State.

GOVERNOR DEMPSEY: I am sure the Commission will want to help you out in any way we can, but there are some technicalities to work out. We will have to look into the legal angle of this. We will take it under consideration and have a conference with the Maljamar Operators on the legal end of it.

MR. KELLY: Gentlemen, this is the first and I guess the last meeting of this Commission. I am sorry I did not introduce Governor Miles as the new member, as Land Commissioner he is a member of the Oil Commission. I believe everyone is acquainted with Governor Miles from previous meetings.

The reason I said the last meeting of this Commission, I believe most of you are acquainted with the fact I have asked for my release. At this time I want to express my appreciation for the cooperation I have received and the Commission has received in the past three years. I feel, speaking on the other side of the fence, we are going to carry on just exactly the way we have been. I want to thank you, Governor Dempsey, for your cooperation.

GOVERNOR DEMPSEY: We are all sorry to see John leave, but some of these boys get very ambitious at times and you cannot stop that.

MR. GLENN STALEY: I have one matter I would like to discuss. A matter which comes under Commission Order 545, adopted July 27, 1943. The Commission asked the operators to make suggestions from time to time in the matter of the procedure to be followed in taking gas-oil ratios in New Mexico, not in any way changing the order but to comply with the order, and due to the shortage of manpower on the part of the Commission and operators, the Commission has asked for suggestions for the handling of our problem in taking gas-oil ratios so the operators appointed a Committee, and this that I am presenting is the report of that Committee, which is merely suggestions to the Commission as to the taking of gas-oil ratios in the time in which the ratios from the various fields shall be in the hands of the Commission, and the manner in which they shall be reported to the Commission.

GOVERNOR DEMPSEY: I want you and all the men of the industry to know the Commission welcomes suggestions anytime of a constructive nature. Any operator or man connected with the industry - this Commission will welcome.

MR. GLENN STALEY: I want to take this opportunity on behalf of Lea County Operators to thank the present Commission, former Commission, (in which Governor Miles was member) and all members for the splendid cooperation we have always had. It is with deep regret that the Chairman of the Lea County Operators, Mr. N. C. McConnall has passed

away since the last meeting, but to take his place to a very very small extent, I want to thank you for the help and cooperation you have given me.

MR. KELLY: Mr. Bodie Superintendent of Cities Service, representative with the Eunice operators' filed a petition for a hearing and requested consideration be given as soon as possible. I wonder if Mr. Bodie wants to make a statement.

MR. BODIE: I do not care to make a statement at this time.

MR. KELLY: I suggest a meeting be held as soon as possible on this subject.



EXECUTIVE COMMITTEE
EMERY CARPER
F. M. JACOBSON
BARNEY COCKBURN
J. B. STEELE
GUS W. ARNOLD

EMERY CARPER
CHAIRMAN
F. M. JACOBSON
SECRETARY

MALJAMAR COOPERATIVE REPRESSURING AGREEMENT

ARTESIA, NEW MEXICO

January 6, 1945

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

Gentlemen:

It is the request of the Executive Committee that the following be embodied in the recommendations, paragraph 5, to the PETITION OF OPERATORS' COMMITTEE UNDER MALJAMAR COOPERATIVE REPRESSURING AGREEMENT FOR AN ALLOCATION OF OIL PRODUCING PLAN FOR THE MALJAMAR COOPERATIVE REPRESSURING AREA:

2. All wells to be tested at least once over each three months period to determine its gas-oil ratio and production. The amount of oil produced during the test shall not be less than the well's then current daily allowable (if the well is capable of producing its allowable) and shall not exceed the daily allowable by more than 20 per cent.

During the test the well shall be produced through the same sized choke opening and in substantially the same manner customarily employed in producing the well.

All wells shall be produced at their allocated rate the day preceding the test.

3. It shall be the duty of each and every operator to properly equip each and every producing well so that the above mentioned determinations can be made. In the event a well is not properly equipped for the pool engineer to make such determinations this unit will be assigned the basic allowable.

2.

Oil Conservation Commission
of the State of New Mexico.

4. The Executive Committee shall have the power to alter and enforce the above mentioned determinations to further promote the conservation of reservoir energy within the area.

and that recommendation two (2), paragraph 5, now contained therein be eliminated.

Very truly yours,

MALJAMAR COOPERATIVE
REPRESSURING AGREEMENT.

By

Emery Carper
Chairman.

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

TO THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO
SANTA FE, NEW MEXICO:

PETITION OF OPERATORS' COMMITTEE UNDER
MALJAMAR COOPERATIVE REPRESSURING AGREEMENT
FOR AN ALLOCATION OF OIL PRODUCTION PLAN FOR
THE MALJAMAR COOPERATIVE REPRESSURING AREA

Comes now the Operators' Committee acting under and pursuant to the Maljamar Cooperative Repressuring Agreement and respectfully shows:

1. That a copy of the Agreement dated August 5, 1941, forming the Maljamar Cooperative Repressuring Agreement has heretofore been filed with the Oil Conservation Commission of the State of New Mexico and for all purposes reference is hereby made to the copy of said Agreement in the files of the Oil Conservation Commission.

That the Cooperative Area subject to the Maljamar Cooperative Repressuring Agreement hereinabove referred to consists of Sections 14 to 23, inclusive, and Sections 26 to 35, inclusive, in Township 17 South, Range 32 East, N.M.P.M., in Lea County, State of New Mexico. That the lands situated within the boundaries of said cooperative area and actually committed to said Maljamar Cooperative Repressuring Agreement by the parties thereto are described as follows:

E/2 of Section 14; E/2 of Section 16; all of Sections 17, 18, 19, 20, 21, 22, 27, 28, 29 and 30; the N/2, N/2 SE/4, NE/4 SW/4, and S/2 SW/4 of Section 23; S/2 NW/4 and SW/4 of Section 26; N/2 and W/2 SE/4 of Section 31; N/2 and SE/4 of Section 33; NE/4 and W/2 NW/4 of Section 34; and W/2 of Section 35, all in Township 17 South, Range 32 East, N.M.P.M.

That the lands situated within the boundaries of said cooperative area not originally committed, but now in the process of being committed, to said Maljamar Cooperative Repressuring Agreement by instrument entitled "Supplement to Maljamar Cooperative Repressuring Agreement", are described as follows:

SW/4 SW/4 of Section 15; S/2 SW/4 of Section 16;
S/2 SE/4 of Section 23; N/2 NW/4 and E/2 of Section
26; and E/2 NW/4 of Section 34, all in Township
17 South, Range 32 East, N.M.P.M.

That all of the above described lands are under oil and gas lease; that all of the leases except the leases embracing the E/2 and the S/2 of the SW/4 of Section 16, Township 17 South, Range 32 East, N.M.P.M., were issued by the United States of America under and pursuant to the Act of Congress, approved February 25, 1920; that the leases covering and embracing the E/2 and the S/2 of the SW/4 of Section 16, Township 17 South, Range 32 East, N.M.P.M., were issued by the State of New Mexico acting by and through its Commissioner of Public Lands, and that all of said lands are in the Area now known and referred to as the Maljamar Repressuring Project.

3. That pursuant to the provisions contained in the Maljamar Cooperative Repressuring Agreement dated August 5, 1941, the Operators' Committee therein provided for caused to be constructed a Pressure Maintenance Plant in the Area for the primary purpose of maintaining reservoir pressures within the Grayburg and San Andres producing zones through the compression and distribution of high pressure gas into selected gas injection wells. During this operation the plant has been so designed as to permit the processing and extraction of natural gasoline and associated hydrocarbons from the produced gas. Said Pressure Maintenance Plant was placed in operation on the 10th day of April, 1942, and has been in continuous operation since that date. From the commencement of plant operations and the inception of the Pressure Maintenance Program in the Area there has been processed through this plant slightly less than three billion cubic feet of casinghead gas and during the same period of time there has been returned through gas injection wells to the Grayburg and San Andres formations a little more than two billion cubic feet of gas, or approximately 60 percent of the produced gas in the Area has been returned to the Grayburg

and San Andres formations. At the present time approximately 60 percent of the produced gas is being returned to the producing formations. Engineering observations and studies during the past two and one-half years of pressure maintenance operations, however, strongly indicate that this project will prove even more successful and that a far greater ultimate recovery of oil will be obtained if a larger volume of gas is returned to the producing formations. Plans are now being made by the Operators' Committee of the Maljamar Cooperative Repressuring Agreement to enlarge and expand the facilities of the Pressure Maintenance Plant, which will permit the injection of a larger percentage of the produced casinghead gas.

4. That by order entered by the Oil Conservation Commission of the State of New Mexico, in Case No. 36, Order No. 485, on November 14, 1942, it was provided that proration units within the committed area should not exceed the production of 44 barrels of oil daily. That by subsequent order of the Oil Conservation Commission the daily oil allowable per proration unit within the committed area was reduced to 34 barrels and is now 34 barrels of oil per proration unit per day. Since the inception of this project and up to the present time the Operators' Committee has been able to control the volume of gas injected into the producing formations, but has not at any time had sufficient and adequate control over the oil and gas withdrawals from the pool. As time goes on it becomes imperative that the Operators' Committee have control over both the volume of gas injected and the daily withdrawal of oil and gas from each well in the Maljamar Repressuring Project in order to continue the success of this Pressure Maintenance Project and obtain the greatest ultimate recovery of oil from the Area.

5. That sometime ago the Operators' Committee requested the Engineering Committee of the Maljamar Cooperative Repressuring Agreement to make a thorough study of the subject and submit to it an Allocation of Oil Production Plan for the Maljamar Repressuring Project. That its Engineering Committee thereafter made a thorough and exhaustive study of the Maljamar Repressuring Project and submitted to the Operators' Committee an Allocation of Oil Production Plan which has as its basis

Not wholly true -
changed each
month upon
recommendation
of Operators'
Committee - see
VII Order 485

the volumetric control of oil and gas withdrawals from individual wells through the use of gas-oil ratio and bottom hole pressure tests to be taken at fixed intervals. The benefits to be derived from the application and administration of this Allocation of Oil Production Plan are dependent upon rigid control of both oil and gas withdrawals from the individual wells. Said Allocation of Oil Production Plan for the Maljamar Repressuring Project has been unanimously approved by the Operators' Committee of the Maljamar Cooperative Repressuring Agreement and is attached hereto, marked "Exhibit A", and by reference made a part hereof.

WHEREFORE, the Operators' Committee under the Maljamar Cooperative Repressuring Agreement hereby respectfully petitions the Oil Conservation Commission of the State of New Mexico to call a hearing as provided by law and the rules and regulations of the Commission for the purpose of approving the Allocation of Oil Production Plan attached hereto, marked "Exhibit A", in its entirety, and such other matters and things incident thereto as may be required by law to be approved by the Oil Conservation Commission. Said Allocation of Oil Production Plan for the Maljamar Repressuring Project to be ordered to become effective as of 7:00 o'clock A.M., on the first day of the calendar month following the date of approval of said Allocation of Oil Production Plan by the Oil Conservation Commission.

Respectfully submitted,

OPERATORS' COMMITTEE, ACTING
UNDER MALJAMAR COOPERATIVE
REPRESSURING AGREEMENT

By: Emery Carper
Chairman.

STATE OF NEW MEXICO)
) ss.
COUNTY OF EDDY)

EMERY CARPER, being first duly sworn upon his oath states:

That he is the Chairman of the Operators' Committee, acting under and pursuant to the Maljamar Cooperative Repressuring Agreement of August 5, 1941, and has been duly authorized by said Committee to execute the above and foregoing petition for and on behalf of said Committee, and that he has read said petition and exhibits attached hereto and to the best of his knowledge and belief all of the statements therein contained are true and correct.

Emery Carper
Emery Carper

SUBSCRIBED AND SWORN TO BEFORE ME this 29th day of
November, 1944.

Teressa Goehring
Notary Public.

My commission expires:

April 21, 1948

ENGINEERING REPORT ON
THE ALLOCATION OF OIL
PRODUCTION WITHIN THE
MALJAMAR COOPERATIVE
REPRESSURING AGREEMENT

EXHIBIT "A"

CONCLUSIONS

I

The rate of oil and gas withdrawal from the individual wells is the most important single controllable factor governing the efficiency of oil recovery from the Maljamar Field.

II

A plan for the allocation of oil production to the individual well is not only feasible but is highly recommended by your appointed committee.

III

The allocation plan should be developed on a basis of sound legal and engineering concepts, and should embody the following specific principles:

1. Physical waste should be kept at a minimum.
2. Each operator should be afforded a reasonable opportunity to produce the recoverable oil or its equivalent from under his own property.
3. No undue hardship should be imposed upon any operator by reason of the administration of the allocation plan.
4. Such allocation plan should be simple and direct, using as few reservoir factors as possible.
5. The allocation plan should contain sufficient flexibility to correct within reasonable limits any discrimination, injustice, or inequality that may be imposed upon any one operator through the strict administration of such plan.

IV

Benefits to be derived from the application of the allocation plan within the Maljamar Field are as follows:

1. Volumetric control of the reservoir, as provided for through the application of an allocation plan, would further enhance the benefits of the pressure maintenance program in the Maljamar Field and substantially increase the ultimate recovery therefrom.
2. The flowing life of the individual well would be further prolonged resulting in increased savings in both lifting and operating expense.

3. More efficient operation of the pressure maintenance plant would be achieved through increased gasoline recoveries, and lower future investments.
4. Reduce the venting of gas both in the field and at the pressure maintenance plant.
5. Promote a more equitable recovery of oil to each operator by preventing adverse drainage of oil across property lines.
6. The allocation plan will offer the immediate result of increasing the present gas injection rate by $12\frac{1}{2}$ per cent or approximately nine million cubic feet of gas per month.
7. The migration of reservoir oil into gas cap areas from which a substantial part of the oil cannot be recovered will be held to a minimum through the use of an allocation plan.
8. The ultimate recovery of oil from the Maljamar Field will be greatly increased by virtue of the following fundamental principles upon which the allocation plan has been constructed:
 - a. Any plan of allocation or operation that will tend to check reservoir pressure decline and thereby prevent the shrinkage of reservoir oil through the loss of solutional gas will, as a direct consequence, increase the oil recovery from the field.
 - b. Any plan of allocation or operation that will reduce the release of solutional gas from the oil into the reservoir and thereby maintain as nearly as possible the original viscosity of the reservoir fluid will, as a direct consequence, increase the oil recovery from the field.
 - c. Any plan of allocation or operation that will reduce the shrinkage of oil in the reservoir will insure the most effective use of the input gas and will, as a direct consequence, increase the oil recovery from the field.

RECOMMENDATIONS

I

That a plan of allocating oil production to the individual wells of the Maljamar Field, based upon gas-oil ratios and bottom hole pressures, be adopted.

II

Does this recommendation intend to include not only committed lands but also non-committed lands within the co-operative area - if so, the petition does not make this clear.

That such a plan include all of the area previously designated and approved as bounds of the Maljamar Cooperative Repressuring Agreement and as set out in Exhibit IV herein attached.

III

That a daily field allowable of 4,500 barrels be allocated to the wells in the above designated area, and that such allowable be increased from time to time to include newly completed wells drilled within the area.

IV

✓

That authority be requested from the New Mexico Oil and Gas Commission permitting the Project Engineer to determine at six months' intervals the gas-oil ratio and bottom-hole pressures on all producing wells directly offsetting the Cooperative Area; such information to be used in ascertaining and correcting drainage or interference across property lines.

ambiguous.

V

That for the application of this plan the following determinations be made:

1. Bottom hole pressures be taken at each six months interval, either with pressure bomb or echo meter on each individual well; each well to be closed in 24 hours but not to exceed 48 hours prior to taking bottom hole pressure.

See Recommendation dated 1-6-45

2. All wells to be tested at least once over each three months period at its production rate as allocated to determine its gas-oil ratio and production. During such test no flowing well shall produce through a choke larger than 3/4 of an inch nor shall it produce in excess of three hours, continuous flow, or four

hours, intermittent flow, over a 24 hour period. A pumping well shall not produce over a period longer than seven hours after fluid has been pumped up. All wells shall be produced at their allocated rate the day preceding the test.

3. See amendment dated 1-6-45
VI

That following completion of the above mentioned tests, at the close of each three months interval, the total field allowable will be allocated to the individual wells on the following basis:

Production unit, it should be

1. Each well in the field will be assigned a basic allowable of 15 barrels per day. In the event a well is unable to produce this amount its basic allowable shall be the same as its production test.

→ ? Including necessary

2. Wells producing from the Red Sand and Yates Sand shall not be prorated under this plan other than they shall not produce at a rate in excess of State Allowable.

*? See before -
Core Laboratory
Looking at particular
bottom hole pressure
or gas-oil ratio*

3. Those wells capable of producing the basic allowable of 20 barrels per day but unable to produce the additional allowable assigned to them through use of the bottom hole pressure--gas-oil ratio factor should be termed "Intermediate Wells" and shall be assigned an allowable equal to that shown on their production test.

4. The additional remaining field allowable shall be allocated to the various wells on the basis of their bottom hole pressures and gas-oil ratios as reflected in the above referred to tests.

*Would the operators
ever be able to understand
such a highly theoretical
table referred to in list 7
perhaps in "Exp II" - 2nd
page from here.*

5. For simplicity of administration, this additional allowable shall be allocated by use of the bottom hole pressure--gas-oil ratio factors provided by the Core Laboratories following their analysis of the bottom hole oil sample from the Maljamar Field. These factors as shown on the attached table represent the barrels of reservoir space voided in producing one barrel of stock tank oil under varying gas-oil ratios and bottom hole pressures. Each individual well will share in the allocation of this additional allowable in inverse proportion to the amount of reservoir space voided as reflected by its production test.

*Remember, each of
these factors is
based on a 24 hour
test.*

6. Individual well allowables shall be adjusted quarterly and shall prevail for a three months period.

7. Newly completed or reconditioned wells shall be assigned the average gas-oil ratios and bottom hole pressure of the field until such time as proper tests can be taken.

*That all that could
be run anyone
could run it.*

8. Only the current allowable for any given month plus storage from the preceding month shall be run by the pipe line companies.

Herein this engineer
knows that in N.M.
allocations are not to
the lease, nor to the
individual well but to
the 40-acre unit!

9. The individual well and lease allowable shall be computed by the Project Engineer of the Miljamar Cooperative Repressuring Agreement and submitted to the New Mexico Oil and Gas Commission on the 25th of each month to be entered on the following month's allowable distribution.

should be
submitted to the
Commission
by the 25th of the
month

EXHIBITS

I

Barrels of reservoir space voided by one barrel of stock tank oil at given gas-oil ratios, and bottom hole pressures as prepared by Core Laboratories, Incorporated.

II

Barrels of reservoir space voided in producing one barrel of stock tank oil, and the reciprocal factors thereof at given gas-oil ratios and bottom hole pressures.

III

Maljamar Field production allocation schedule.

IV

Map of Maljamar Area.

CORE LABORATORIES, INC.
Petroleum Engineering Service
DALLAS

Company	<u>MALJAMAR COOPERATIVE REPRESSURING AGREEMENT</u>	Date	<u>July 2, 1943</u>
Well	<u>CARPER-SIMON 3R</u>	File	<u>BHT 1-131</u>
Field	<u>MALJAMAR</u>	Depth	<u>3600</u>
County	<u>LEA</u>	State	<u>NEW MEXICO</u>

BARRELS OF RESERVOIR SPACE VOIDED BY ONE BARREL

STOCK TANK OIL WHEN PRODUCING GAS/OIL RATIO =

PRESSURE: Pounds Per Square Inch Gauge	?	?	?	?	?	?
	<u>"2"</u>	<u>2000</u>	<u>1500</u>	<u>1000</u>	<u>500</u>	<u>392</u>
1200	.480	2.9814	2.4195	1.8775	1.3355	1.2134
1000	.550	3.5115	2.8681	2.1247	1.3813	1.2207
862	.627	4.3770	3.3981	2.4153	1.4345	1.2226
300	.565	4.8518	3.7324	2.6130	1.4936	1.2518
600	.766	8.9257	5.2169	3.5081	1.7994	1.1303
400	.845	10.8381	8.0447	5.2513	2.3579	1.8545
200	.322	22.1481	16.2648	10.4815	4.4982	3.2274

**BARRELS OF RESERVOIR SPACE VOIDED IN PRODUCING ONE BARREL OF STOCK TANK-OIL, AND
THE RECIPROCAL FACTOR THEREOF, AT GIVEN GAS OIL RATIOS AND RESERVOIR PRESSURES**

<u>Reservoir Pressures</u>	<u>400</u>	<u>600</u>	<u>800</u>	<u>1000</u>	<u>1200</u>	<u>1400</u>	<u>1600</u>	<u>1800</u>
✓ 1300	1.21 .626	1.40 .714	1.58 .633	1.75 .571	1.93 .518	2.11 .474	2.28 .439	2.45 .408
1250	1.21 .826	1.42 .704	1.61 .621	1.81 .552	2.01 .498	2.20 .455	2.40 .417	2.60 .385
1200	1.22 .820	1.44 .694	1.66 .606	1.87 .535	2.09 .478	2.30 .435	2.52 .397	2.74 .365
1150	1.22 .820	1.46 .685	1.70 .588	1.94 .515	2.18 .459	2.41 .415	2.64 .379	2.88 .347
1100	1.22 .820	1.49 .671	1.75 .571	2.00 .500	2.26 .442	2.51 .398	2.77 .361	3.02 .331
1050	1.22 .820	1.51 .663	1.80 .556	2.06 .485	2.35 .426	2.62 .382	2.89 .346	3.16 .316
1000	1.22 .820	1.53 .654	1.84 .543	2.12 .472	2.43 .412	2.72 .368	3.01 .332	3.31 .302
950	1.22 .820	1.57 .637	1.92 .521	2.24 .446	2.59 .386	2.92 .342	3.25 .308	3.58 .279
900	1.23 .813	1.62 .617	2.00 .500	2.37 .422	2.75 .364	3.12 .321	3.48 .287	3.86 .259
850	1.24 .806	1.66 .602	2.08 .481	2.49 .402	2.90 .345	3.31 .302	3.72 .269	4.13 .242
800	1.26 .800	1.71 .585	2.16 .463	2.61 .383	3.06 .327	3.51 .285	3.95 .253	4.40 .227
750	1.29 .775	1.81 .552	2.32 .431	2.83 .353	3.34 .299	3.85 .260	4.35 .230	4.86 .206
700	1.34 .746	1.92 .521	2.48 .403	3.06 .327	3.62 .276	4.19 .239	4.75 .211	5.32 .188
650	1.38 .725	2.02 .495	2.65 .377	3.28 .305	3.90 .256	4.53 .221	5.15 .194	5.78 .173
600	1.43 .699	2.13 .469	2.82 .355	3.50 .288	4.18 .239	4.87 .205	5.55 .180	6.24 .160
550	1.53 .654	2.33 .429	3.14 .318	3.94 .254	4.73 .211	5.52 .181	6.31 .158	7.11 .141
500	1.64 .610	2.53 .395	3.45 .290	4.38 .228	5.28 .189	6.18 .162	7.07 .141	7.97 .125
450	1.74 .575	2.73 .366	3.77 .265	4.82 .207	5.83 .172	6.83 .146	7.84 .128	8.84 .113
400	1.85 .541	2.93 .341	4.09 .244	5.25 .190	6.37 .157	7.48 .134	8.60 .116	9.71 .103

<u>2000</u>	<u>2200</u>	<u>2400</u>	<u>2600</u>	<u>2800</u>	<u>3000</u>	<u>3200</u>	<u>3400</u>	<u>3600</u>
2.62 .382	2.90 .345	3.09 .324	3.27 .306	3.46 .289	3.64 .274	3.83 .261	4.02 .249	4.20 .238
2.79 .358	3.03 .330	3.23 .309	3.43 .291	3.63 .275	3.83 .261	4.04 .248	4.24 .236	4.44 .225
2.96 .338	3.18 .315	3.39 .294	3.61 .277	3.83 .261	4.04 .247	4.26 .235	4.48 .223	4.69 .213
3.12 .321	3.33 .300	3.57 .280	3.80 .263	4.03 .248	4.27 .234	4.50 .222	4.74 .211	4.97 .201
3.28 .306	3.51 .285	3.77 .266	4.01 .249	4.27 .234	4.53 .221	4.78 .209	5.03 .199	5.29 .189
3.44 .291	3.70 .270	3.97 .252	4.25 .235	4.52 .221	4.80 .209	5.07 .197	5.34 .187	5.62 .178
3.61 .277	3.91 .256	4.21 .238	4.51 .222	4.80 .208	5.10 .196	5.40 .185	5.70 .176	5.99 .167
3.92 .255	4.19 .238	4.52 .221	4.85 .206	5.18 .193	5.51 .182	5.84 .171	6.17 .162	6.50 .154
4.23 .236	4.51 .222	4.88 .205	5.24 .191	5.61 .178	5.97 .167	6.34 .158	6.70 .149	7.06 .142
4.54 .220	4.87 .205	5.28 .189	5.68 .176	6.09 .164	6.49 .154	6.89 .145	7.30 .137	7.90 .130
4.85 .206	5.30 .189	5.75 .174	6.20 .161	6.65 .150	7.10 .141	7.54 .133	7.99 .125	8.44 .118
5.37 .186	5.76 .174	6.26 .160	6.75 .148	7.25 .138	7.74 .129	8.24 .121	8.73 .115	9.23 .108
5.88 .170	6.28 .159	6.84 .146	7.39 .135	7.94 .126	8.48 .118	9.03 .111	9.58 .104	10.13 .099
6.40 .156	6.90 .145	7.51 .133	8.12 .123	8.73 .115	9.34 .107	9.95 .100	10.56 .095	11.17 .089
6.92 .145	7.62 .131	8.30 .120	8.99 .111	9.67 .103	10.35 .097	11.04 .091	11.72 .085	12.40 .081
7.90 .127	8.40 .119	9.16 .109	9.93 .101	10.69 .094	11.45 .087	12.22 .082	12.98 .077	13.74 .073
8.87 .113	9.35 .107	10.21 .098	11.07 .090	11.92 .084	12.79 .078	13.65 .073	14.50 .069	15.36 .065
9.85 .102	10.50 .095	11.48 .087	12.46 .080	13.42 .075	14.39 .069	15.37 .065	16.34 .061	17.31 .058
10.83 .092	11.97 .084	13.09 .076	14.21 .070	15.33 .065	16.44 .061	17.56 .057	17.68 .054	19.80 .051

**BARRELS OF RESERVOIR SPACE VOIDED IN PRODUCING ONE BARREL OF STOCK TANK-OIL, AND
THE RECIPROCAL FACTOR THEREOF, AT GIVEN GAS OIL RATIOS AND RESERVOIR PRESSURES**

<u>Res</u> <u>Pre</u>	<u>3800</u>	<u>4000</u>	<u>4200</u>	<u>4400</u>	<u>4600</u>	<u>4800</u>	<u>5000</u>
✓ 1	4.39 .228	4.57 .219	4.76 .210	4.96 .202	5.13 .195	5.32 .188	5.51 .182
1	4.64 .215	4.84 .206	5.04 .198	5.24 .190	5.44 .183	5.64 .177	5.84 .171
1	4.91 .204	5.13 .194	5.34 .186	5.56 .179	5.78 .172	5.99 .166	6.21 .160
1	5.21 .192	5.44 .183	5.66 .176	5.91 .169	6.14 .162	6.38 .156	6.61 .151
1	5.54 .181	5.79 .172	6.06 .165	6.30 .158	6.55 .152	6.80 .146	7.06 .141
1	5.89 .170	6.17 .162	6.44 .155	6.72 .148	6.99 .143	7.26 .137	7.54 .132
1	6.29 .159	6.59 .151	6.88 .145	7.18 .139	7.48 .133	7.78 .128	8.07 .123
	6.82 .147	7.15 .139	7.48 .133	7.81 .128	8.14 .122	8.47 .118	8.80 .113
	7.43 .135	7.79 .128	8.16 .122	8.52 .117	8.88 .112	9.25 .108	9.61 .104
	8.10 .123	8.51 .117	8.91 .112	9.31 .107	9.72 .102	10.12 .098	10.53 .094
	8.89 .113	9.34 .107	9.78 .102	10.23 .097	10.68 .093	11.13 .089	11.58 .086
	9.72 .103	10.22 .097	10.71 .093	11.21 .089	11.70 .085	12.20 .081	12.69 .078
	10.68 .094	11.23 .089	11.78 .084	12.33 .081	12.88 .077	13.43 .074	13.97 .071
	11.79 .085	12.40 .080	13.01 .076	13.62 .073	14.23 .070	14.84 .067	15.45 .064
	13.09 .076	13.77 .072	14.46 .069	15.14 .066	15.82 .063	16.51 .060	17.19 .058
	14.51 .068	15.27 .065	16.03 .062	16.79 .059	17.56 .056	18.32 .054	19.08 .052
	16.22 .061	17.08 .058	17.94 .056	18.80 .053	19.65 .050	20.51 .048	21.37 .046
	18.29 .054	19.26 .051	20.23 .049	21.21 .047	22.18 .045	23.15 .043	24.13 .041
	20.92 .047	22.03 .045	23.15 .043	24.27 .041	25.39 .039	26.51 .037	27.62 .036

MALJAMAR FIELD PRODUCTION ALLOCATION SCHEDULE

<u>COMPANY AND LEASE</u>	<u>GAS-OIL RATIO</u>	<u>BOTTOM HOLE PRESSURE</u>	<u>BASIC ALLOWABLE</u>	<u>GOR-BHP FACTOR</u>	<u>GOR-BHP ALLOWABLE</u>	<u>TOTAL ALLOWABLE</u>
<u>Carper Drlg. Co.</u>						
Simon 1-A	750	1094	15	.571	18	33
Simon 2-A	725	1045	15	.556	18	33
Simon 3-A	745	1001	15	.543	17	32
Simon 4-A	685	906	15	.617	20	35
Simon 5-A	1025	811	16*	---	---	16
Simon 6-A	950	817	20*	---	---	20
Simon 1-B	660	1204	15	.694	22	37
Simon 2-B	650	1205	15	.694	22	37
Simon 1-N	695	1150	15	.685	22	37
Simon 2-N	710	1161	15	.588	19	34
Simon 3-N	515	1114	15	.671	21	36
Simon 4-N	---	1366	---	Gas Input Well		
Simon 5-N	700	919	15	.617	20	35
Simon 6-N	675	906	15	.617	20	35
Simon 7-N	650	1053	15	.663	21	36
Simon 8-N	---	1516	---	Gas Input Well		
Simon 1-R	825	867	15	.481	15	30
Simon 2-R	800	922	15	.500	16	31
Simon 3-R	625	1244	15	.704	22	37
Simon 4-R	675	1274	15	.704	22	37
TOTAL 18			276		315	591
<u>Cockburn, Johnney</u>						
Miller 1-A	700	1170	15	.685	22	37
Miller 2-A	800	957	15	.521	17	32
Miller 4-A	950	1084	15	.500	16	31
TOTAL 3			45		55	100
<u>Drlg. & Exploration Co.</u>						
Johns 1-A	1500 Est.	600 Est.	15	---	---	15
Johns 2-A	1700 Est.	750 Est.	15	.250	7	22
TOTAL 2			30		7	37
<u>Fair, R. W. & Fair Foundation et al</u>						
Baish 1-B	850	1044	15	.556	18	33
Baish 2-B	1250	412	15	.157	5	20
Baish 3-B	1300	489	15	.189	6	21
Baish 4-B	---	1409	---	Gas Input Well		
Baish 5-B	1175	978	15	.412	13	28
Johns 1-A	750	950	15	.521	17	32
Johns 2-A	950	967	15	.446	14	29
Johns 1-B	1650	545	15	.158	5	20
Johns 2-B	---	---	29	Red Sand Well		29
TOTAL 8			134		78	212

*only not specify
 formation unit,
 section, Twp. & Rng.*

<u>COMPANY AND LEASE</u>	<u>GAS-OIL RATIO</u>	<u>BOTTOM HOLE PRESSURE</u>	<u>PASIC ALLOWABLE</u>	<u>GOR-BHP FACTOR</u>	<u>GOR-BHP ALLOWABLE</u>	<u>TOTAL ALLOWABLE</u>
<u>Hover, A. H.</u>						
✓ State 1-A	1750	788	15	.227	7	22
✓ State 2-A	1510	740	15	.250	7	22
✓ State 4-A	1200	255	10	---	---	10
✓ State 5-A	1850	729	15	.206	7	22
TOTAL	4		55		21	75

Kewanee Oil Company

Baish 2-B	885	962	15	.521	17	32
Baish 3-B	410	1056	15	.820	26	41
Baish 4-B	549	990	15	.654	21	36
Baish 5-B	604	1205	15	.694	22	37
Baish 6-B	620	1114	15	.571	21	36
Baish 7-B	412	1107	15	.820	26	41
Baish 8-B	543	1213	15	.694	22	37
Baish 9-B	---	1465	---	Gas Input Well		
Baish 10-B	698	1056	15	.663	21	36
Baish 11-B	---	1278	---	Gas Input Well		
Baish 12-B	475	1207	15	.820	26	41
Baish 13-B	488	1172	15	.820	26	41
Baish 14-B	746	1000	15	.543	17	32
Baish 15-B	---	1278	---	Gas Input Well		
Baish 16-B	810	1183	15	.588	19	34
Baish 17-B	1000	970	15	.446	14	29
Baish 18-B	438	1113	15	.820	26	41
Baish 19-B	462	1140	15	.820	26	41
Baish 20-B	639	1007	15	.654	21	36
Baish 21-B	637	1124	15	.671	21	36
Baish 22-B	647	1050	15	.663	21	36
Baish 23-B	722	1064	15	.556	18	33
Baish 24-B	611	1086	15	.671	21	36
Baish 25-B	663	1165	15	.685	22	37
Baish 26-B	607	1079	15	.671	21	36
Baish 27-B	700	1000	15	.654	21	36
Baish 28-B	462	1148	15	.820	26	41
Baish 29-B	---	1437	---	Gas Input Well		
Baish 30-B	727	1058	15	.653	18	33
Baish 31-B	950	1005	15	.472	15	30
Miller 5-A	1230	1097	18*	---	---	18
Miller 6-A	---	1199	---	Gas Input Well		
Miller 7-A	1326	647	15	.221	7	22
Miller 8-A	1000	388	8	---	---	8
Miller 9-A	875	848	15	.481	15	30
Miller 10-A	680	856	15	.495	16	31
Miller 11-A	1000 Est.	970 Est.	15	.446	14	29
Miller AX-5	1710	871	6	---	---	6
Miller AX-6	1000 Est.	970 Est.	15	.446	14	29
Miller 1-B	1070	932	15	.446	14	29
Miller 3-B	1250	294	2	---	---	2
Miller 4-B	656	889	12	---	---	12
Miller 5-B	1190	829	15	.345	11	26
Miller 6-B	1000 Est.	970 Est.	15	.446	14	29
Mitchell 1-B	1250	268	5	---	---	5
Mitchell 2-B	3700	689	8	---	---	8
Mitchell 3-B	2520	594	16*	---	---	16
Mitchell 4-B	1000 Est.	970 Est.	15	.446	14	29

<u>COMPANY AND LEASE</u>	<u>GAS-OIL RATIO</u>	<u>BOTTOM HOLE PRESSURE</u>	<u>BASIC ALLOWABLE</u>	<u>GOR-BHP FACTOR</u>	<u>GOR-BHP ALLOWABLE</u>	<u>TOTAL ALLOWABLE</u>
<u>Keweenaw Oil Company (Cont'd)</u>						
Pearsall 3-A	990	647	14	---	--	14
Pearsall 4-A	1110	834	15	.345	11	28
Pearsall 5-A	1010	801	15	.383	12	27
Pearsall 6-A	1040	910	15	.422	13	28
Pearsall 7-A	1250	131	10	---	--	10
Pearsall 8-A	725	1023	15	.543	17	32
✓ Pearsall 9-A	---	---	20	Red Sand Well	--	20
Pearsall 10-A	---	---	20	" " "	--	20
✓ Pearsall AX-1	---	---	22	Red Sand Well	--	22
✓ Pearsall AX-2	---	---	5	" " "	--	5
C -- Pearsall 1-B	1540	888	15	.287	9	24
Pearsall BX-2	1120	659	20*	---	--	20
Pearsall BX-5	1910	200	--	---	--	--
Pearsall BXY-1	930	655	15	.305	10	25
Pearsall BXY-3	1000	970	15	.446	14	29
Sears 1-A	1689	645	15	.194	6	21
Sears 2-A	1250	237	10	---	--	10
State 1-0	3620	541	12	---	--	12
State 2-0	2510	355	12	---	--	12
✓ State 3-0	1000	970	15	.446	14	29
TOTAL	62		390		780	1660

Maljamar Oil & Gas Corp.

Baish 1-A	---	1060	--	Gas Input Well		
Baish 2-A	1040	921	15	.422	13	28
Baish 3-A	775	975	15	.543	17	32
Baish 4-A	750	1040	15	.556	18	33
Baish 5-A	---	---	22	Yates Sand Well	--	22
Baish 6-A	730	723	15	.403	13	28
Baish 7-A	---	---	10	Yates Sand Well	--	10
Baish 8-A	---	1178	--	Gas Input Well	--	--
Baish 9-A	1100	955	19*	---	--	19
Baish 10-A	1100	1111	12	---	--	12
Baish 11-A	1180	898	15	.364	12	27
Baish 12-A	640	1118	15	.671	21	36
Baish 13-A	925	1146	15	.515	16	31
Baish 14-A	920	1033	15	.485	15	30
Baish 15-A	1440	1139	15	---	--	15
Baish 16-A	875	1021	15	.543	17	32
Baish 2-B	2060	1182	15	.338	11	26
Baish 3-B	1810	939	15	.308	10	25
Baish 4-B	1390	949	15	.342	11	26
Baish 5-B	1360	1028	15	.382	12	27
Baish 6-B	---	1401	--	Gas Input Well	--	--
Baish 7-B	3100	853	15	.154	5	20
Baish 8-B	1530	909	15	.332	11	26
Baish 9-B	1000 Est.	970 Est.	15	.446	14	29
Baish 10-B	1000 "	970 "	15	.446	14	29
Baish 11-B	1000 "	970 "	15	.446	14	29
✓ Hudson 1	1030	809	15	.383	12	27

<u>COMPANY AND LEASE</u>	<u>GAS-OIL RATIO</u>	<u>BOTTOM HOLE PRESSURE</u>	<u>BASIC ALLOWABLE</u>	<u>GOR-BHP FACTOR</u>	<u>GOR-BHP ALLOWABLE</u>	<u>TOTAL ALLOWABLE</u>
--------------------------	--------------------------	-------------------------------------	----------------------------	---------------------------	------------------------------	----------------------------

Maljamar Oil & Gas Corp. (cont'd)

Mitchell 3-A	830	1062	15	.556	18	33
Mitchell 4-A	1100	1005	15	.472	16	30
Mitchell 5-A	1720	571	12	---	--	12
Mitchell 6-A	545	1085	15	.671	21	36
Mitchell 7-A	570	1184	15	.685	22	37
Mitchell 8-A	635	1197	15	.694	22	37
Mitchell 9-A	770	1189	15	.606	19	34
Mitchell 10-A	715	1132	15	.588	19	34
Mitchell 11-A	740	831	15	.481	16	30
Mitchell 12-A	1340	873	15	.302	10	25
Mitchell 15-A	1000 Est.	970 Est.	15	.446	14	29
Mitchell 16-A	615	1187	15	.694	22	37
Mitchell 17-A	1000 Est.	970 Est.	15	.446	14	29
Mitchell 18-A	1000 "	970 "	15	.446	14	29

Mitchell 1-B	1300	1172	15	.459	15	30
Mitchell 2-B	1080	1187	15	.535	17	32
Mitchell 3-B	945	1202	15	.535	17	32
Mitchell 4-B	---	1128	--	Gas Input Well	--	--
Mitchell 5-B	730	1146	15	.588	19	34
Mitchell 6-B	760	1175	15	.606	19	34
Mitchell 7-B	860	1224	15	.606	19	34
Mitchell 8-B	520	1233	15	.704	22	37
Mitchell 9-B	2030	1224	15	.338	11	26
Mitchell 10-B	815	1235	15	.633	20	35
Mitchell 11-B	825	1089	15	.571	18	33
Mitchell 12-B	---	1268	--	Gas Input Well	--	--
Mitchell 13-B	990	1193	15	.535	17	32
Mitchell 14-B	580	1233	15	.704	22	37
Mitchell 15-B	830	1054	15	.556	18	33
Mitchell 16-B	2640	1203	15	.277	9	24
Mitchell 17-B	4500	820	15	.097	3	18
Mitchell 18-B	1000 Est.	970 Est.	15	.446	14	29

State 1-A	3100	709	15	.118	4	19
-----------	------	-----	----	------	---	----

State 1-B	775	874	22 ¹	---	---	22
-----------	-----	-----	-----------------	-----	-----	----

TOTAL	56		847		745	1592
-------	----	--	-----	--	-----	------

Wallingford & Smith

Over 11-11-44
Pres. Sec. 1
St 1. ✓ State 1-A 1500 825 8

Weller Drilg. Co.

✓ Johns 1-A --- --- 15 Red Sand Well -- 15

✓ Miller 1-A 1725 905 15 .269 8 23

TOTAL	2		30		8	38
-------	---	--	----	--	---	----

Woods, E. G.

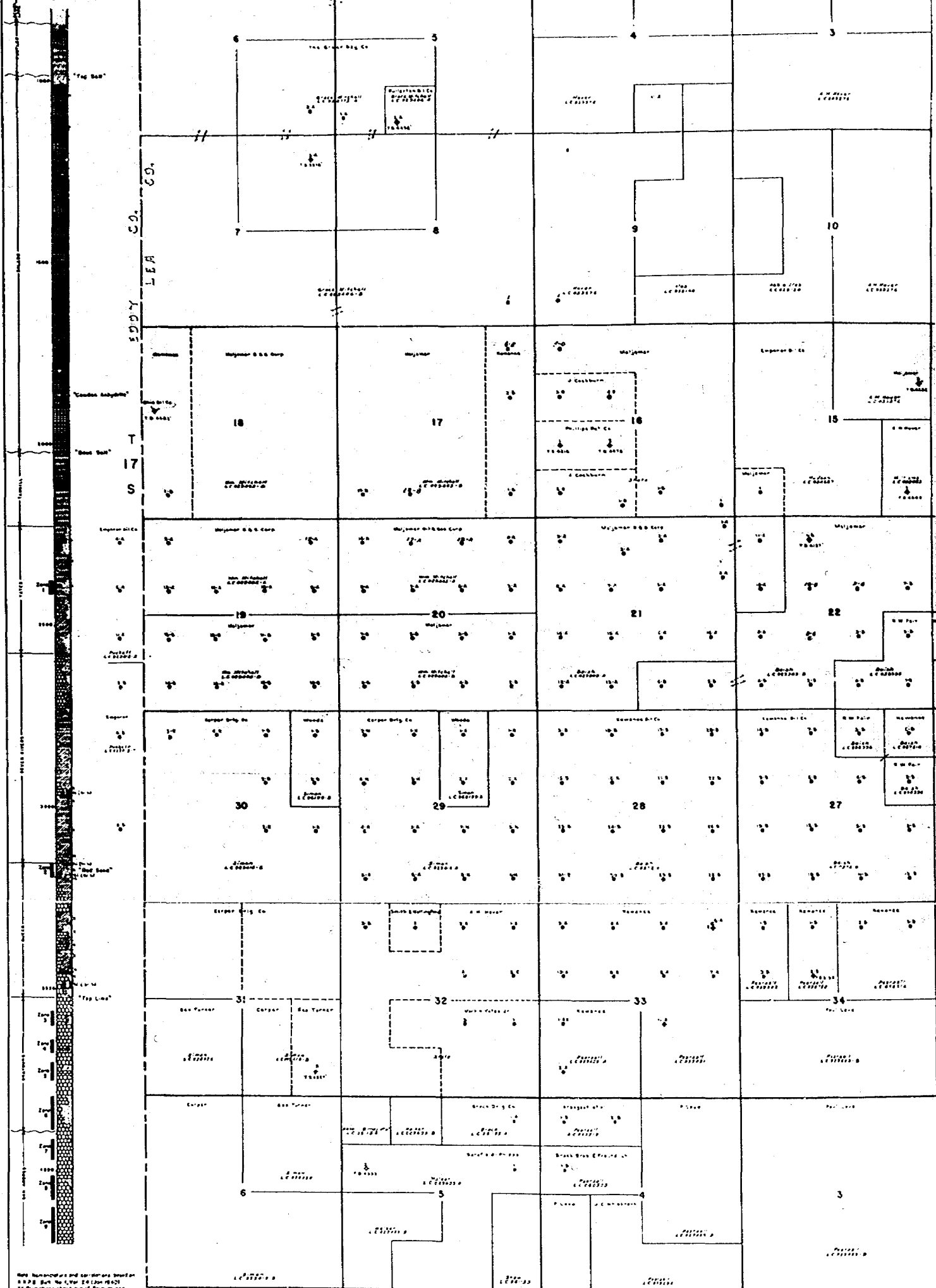
Simon 1-A	750	1135	15	.588	19	34
Simon 2-A	820	1040	15	.556	18	33

Simon 1-B	810	1138	15	.588	19	34
Simon 2-B	960	1234	15	.556	18	33

TOTAL	4		60		74	134
-------	---	--	----	--	----	-----










<u>COMPANY AND LEASE</u>	<u>GAS-OIL RATIO</u>	<u>BOTTOM HOLE PRESSURE</u>	<u>BASIC ALLOWABLE</u>	<u>GOR-BHP FACTOR</u>	<u>GOR-BHP ALLOWABLE</u>	<u>TOTAL ALLOWABLE</u>
<u>Yates, Martin, Jr., et al</u>						
✓ { State 1-A	---	----	30	Red Sand Well	--	30
State 3-A	---	----	6	" " "	--	6
TOTAL	2		36		--	36
FIELD						
TOTAL	162		2401		2083	4484

Note: * Denotes Intermediate Well



THIS INFORMATION IS NOT TO BE RELEASED
 TO THE PUBLIC (50 USC 3024)
 ALL INFORMATION SHOULD BE KEPT SECRET

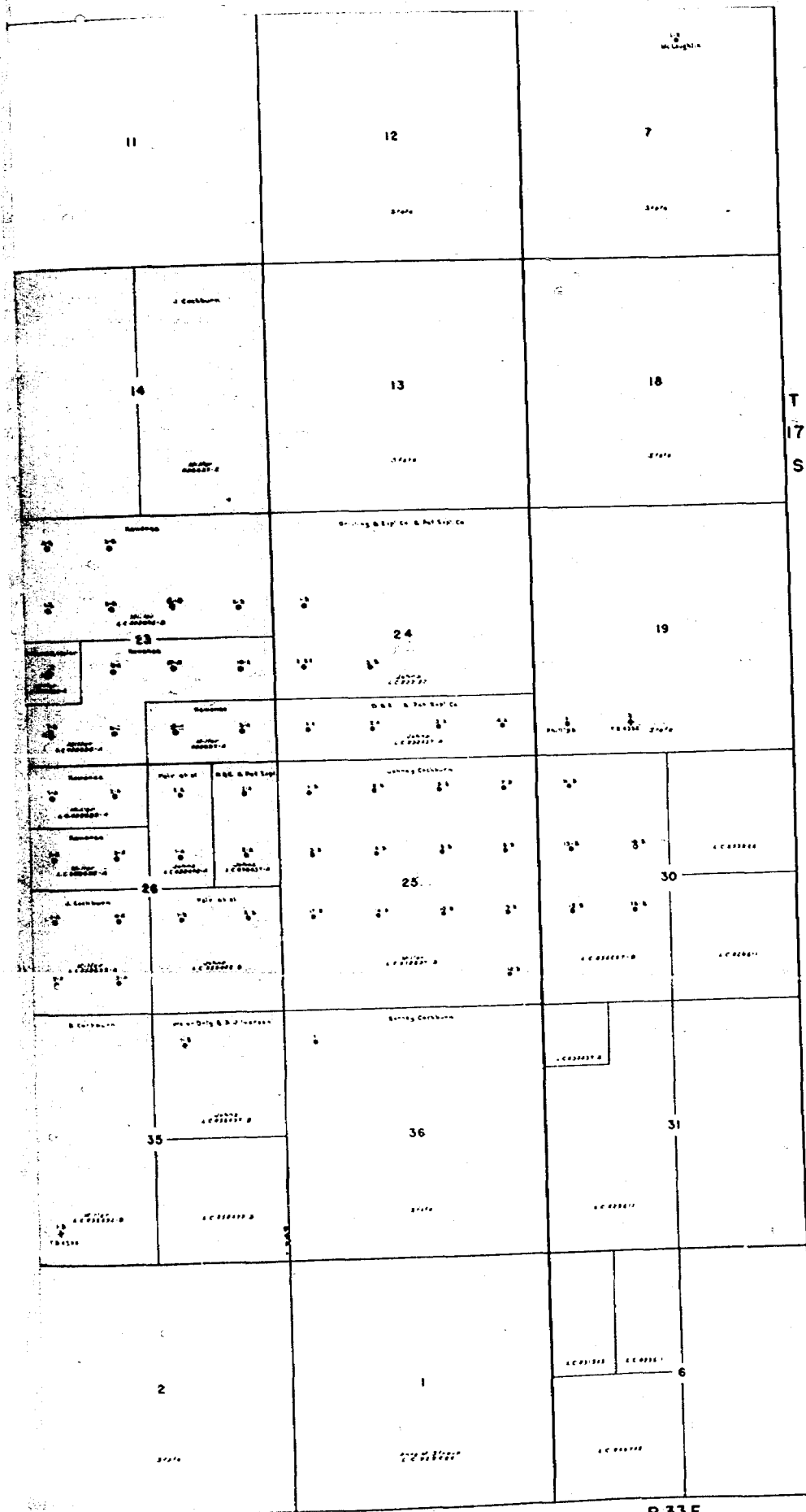
EXPLANATION

	Lime or asphaltum		Red shale, red clay or red bed
	Alumina		Sand & sandstone (tan red)
	Gyps. salt		Red sand & sandstone
	Silt		Siltstone
	Shale or clay		

152545

- ☐ Excitation
- ☐ Abandoned Excitation
- ☐ Drilling Well
- ☐ Drilling Well Abandoned
- ☐ Prefacing 3-5 Well
- ☐ Abandoned 3-5 Well

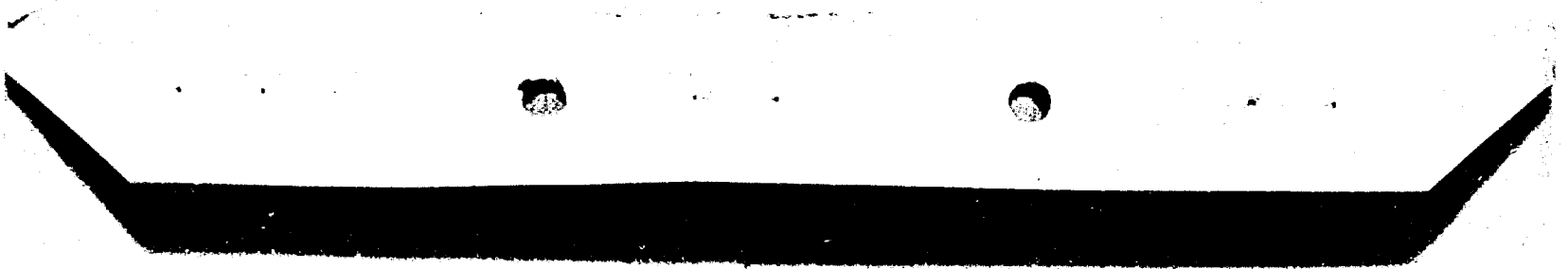
See No. 1
 Abandoned See No.
 Come 4: 5 See No. 1
 Abandoned Come 4: 5 See No. 1
 Big Hole



R 33 E

REVISIONS		
NO.	DATE	REVISIONS BY
1	10/1/52	Maljamar Oil Field
2		
3		
4		
5		

MAP OF
MALJAMAR OIL FIELD
LEA COUNTY, NEW MEXICO
SCALE 1"=1000'
DRAWN BY W.L. APRIL 1952



NEW MEXICO
OIL CONSERVATION COMMISSION

GOVERNOR JOHN J. DEMPSEY
CHAIRMAN

LAND COMMISSIONER H. R. RODGERS
MEMBER

STATE GEOLOGIST JOHN M. KELLY
SECRETARY



DIRECTOR
JOHN M. KELLY

ADDRESS ALL COMMUNICATIONS
TO THE DIRECTOR

Santa Fe, New Mexico

December 11, 1944

John:

I have gone into this matter. It appears as though the revised plan may have been devised in Washington. Some of the refinements, I fear, are more theoretical than practical and I wonder if the operators' committee and the operators really have taken this plan apart and fully understood it.

I doubt seriously whether the attorney who drew the petition, using the plan as an exhibit, fully understands the plan. I think the petition should be re-drawn.

I should be happy to discuss this matter with you at any time convenient to you.

Charles Livingston
Charles Livingston

CL:LMS

EXECUTIVE COMMITTEE

EMERY CARPER
M. E. BAISH
BARNEY COCKBURN
J. B. STEELE
JACK SHAW

MALJAMAR COOPERATIVE
REPRESSURING AGREEMENT

EMERY CARPER
CHAIRMAN
F.M. Jacobson
--S. J. SHUGART
SECRETARY

ARTESIA, NEW MEXICO

November 30, 1944

Oil Conservation Commission,
Santa Fe, New Mexico.

Gentlemen:

We are enclosing the original and one copy of Petition of Operators' Committee under Maljamar Cooperative Repressuring Agreement for an Allocation of Oil Production Plan for the Maljamar Cooperative Repressuring Area.

This plan is based on Gas Oil Ratios and Bottom Hole Pressures, and we request that you give the plan some study and any suggestions that you care to make and / or revision will be considered by the Committee of the Maljamar Cooperative Repressuring Agreement.

We trust that you will be able to set an early date for a hearing on this matter.

Very truly yours,

MALJAMAR COOPERATIVE
REPRESSURING AGREEMENT.

Emery Carper
Chairman-