Application, Transcript, Small Exhibits, Etc. Const. - Conte this reach to Will working phateuries to any to the West to Proportion to Starter - Spacing in grant and the wife of the War attacher.

January, 1936, by and stwoor the undersigned owners and observes of oil and had leases in what is known as the Robbs Cil Poll or Field in Lea County, New Pexico, covering lands in Townships 18 and 19 South, Ranges 37 and 38 East, joined berein by the Commissioner of Public Lands of the State of New Maxico, representing the mineral interests of said State in the lands belonging to the State and affected by this agreement, all of the parties herein acting pursuant to the provisions of Section 12 of Chapter 72 of the laws of New Mexico enacted at the 1935 Regular Session of the Legislature of the State of New Mexico.

WITNESSETH THAT RHEREAS the State of New Haxido is the owner of certain of the lands embraced in the said Hobbs Pool and the other parties hereto are the owners respectively of producing wil and gas leases and/or oil and gas leases upon lands located in the present and probable oil and gas producing area in said field, and said field contains a large potential oil and gas producing eran now capable of producing large quantities of oil, and the parties hereto recognize that the daily quantity of oil that can be produced from said field for a considerable period of time will be largely in excess of the account that can be marketed and transported through the available transportation and marketing facilities from said field. It is the concensus of opinion of all parties hereto that a program of unrestrained drilling and production would result in a serious waste of gas above ground and a waste of both oil and gas underground and that an extensive storage program would be necessitated resulting in large Yoss to the operators and others interested, including the State of New Mexico. It is, therefore, believed to be in the interest of all parties herefor and of all royalty owners in the land involved, and in the interest of the furtherance of consorvetion and the prevention of waste of oil and has that the difference outlet of oil Yron said field to market be prorated on a fair and equitable basis as bereineffer outlined enough the several perbias hereto coming and crowning oil and gas leaced in G. said cool

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tracts in the form of a square, constituting requier subdivisions of sections according to the Covernment surveys. Each such tract shall be considered a unit for the purposes of protection bereunder. It it should develop that there are tracts of land owned by individual operators or lease helders constituting less than a unit as above defined or in such form as not to constitute a unit as above defined, then the constitute a unit as above defined, then the constitute is hereby eatherised to create and outline fractional units or units of a form other than a square, and the castion are fractional countries to constitute in so constituting units or fractional

- (b) The daily potential production of a well is the quantity of oil said well is capable of producing, as hereinafter determined, during a period of twenty-four (24) hours if pumped or if operated naturally under usual methods.
- shall mean the average daily potential production of all wells thereon obtained by dividing the aggregate daily potential production of all wells on such unit or fractional unit by the number of wells thereon. The average daily potential production of the field shall be the sum of the average daily potential production and fractional units in the field.
- (d) The daily allowable runs to common carrier pipe lines or other market facilities for any party hereto during any proration period as herein provided shall be the amount such party is entitled to run daily from all units and fractional units owned by such party in the field during a given proration period.
- (e) Beginning at seven (7) a.m. o'clock on the first day and ending at seven (7) a.m. o'clock on the sixteenth (16th) day of each month, and beginning at seven (7) a.m. o'clock on the sixteenth (16th) day and ending at seven (7) a.m. o'clock on the first (1st) day of each following month shall be taken as the proration period; provided that the General Committee Boreline for constituted is hereby authorised to constitute each entender month the provided.

2. The parties nerve name and constitute the following as a committee to be known as the General Committee, whose duty it shall be to carry out the details of the proration program herein agreed upon and the other provisions hereof:

011

IL H. Karsh

Amerada Fotrolews Comporation

E. H. Bluzi

Atlantic Oil Producing Occupany

H. B. Sincox

Continental Oil Company

M. R. Shaffer

Empire Gas & Fuel Company

L. R. Manning

Getty Oil Company

S. G. Senderson

Gypsy Oil Company

J. R. Suman

E. A. Landrath

Landreth Production Corporation

Humble Cil & Refining Company

C. L. Gladden

Magnolia Petroleum Company

G. U. Moody

Mid-Continent Petroleum Corporation

Glenn Bish

Ohio Oil Company

Earl Cunningham

011 Well Brilling Company

Glen Harroun

Repollo QLA Company

Lloyd Noble

Samedan Oil Corporation

D. B. Collins

Shell Petroleum Corporation

J. N. Dunlavey

Skelly Oil Company

A, M/McCorkle

Stanolind Oil and Ges Company

C. E. Keager

Texas Pacific Coal & Oil Company

H. J. Hawley

The California Company

C. B. Williams

The Teles Company

T: A. Ball

Tide Water Oil Company

T. J. Sweeney

Twin States Oil Company

Harry W. Walker

Walker Oil Corporation

It is understood and agreed that any party hereto may substitute for the representative of such party above newed some other representative, to movinging all the other parties hereto in writing. This Committee shall have the nowers and functions hereivafted set forth. Said Committee shall select its own Chairman.

3. An Executive Counities is hereby constituted, composed of C. B. Williams, J. N. Dumlavey, D. B. Collins, E. A. Landreth, H. E. March, A. M. McCorkle, J. R. Suman, S. G. Sanderson, and Hermy W. Walker, and the Consideration of Public Lands and the State Geologist of New Mexico, whom obsiming wholl be the chairman of Sumanal Counities, main Considerat, ambient to the control of the General Counities above named, shall be charged with the mesonsibility of Laurying out the defails

of the provetion program herein agreed upon and shell have the duties hereinafter named. Vacancies in Said Committee shall be filled by election by the Conoral Committee. Any party hereto may appeal from any action or decision taken by the Executive Committee hereunder to the General Committee.

Trom said field upon the following basis: The Umpira, as provided for in Paregraph The Committee the average daily potential production of the field and of each producing unit and fractional unit therein on the basis of gauges or other tests as hereinafter provided and under the direction and control of the Executive Committee at such times as may be decided upon by said Executive Committee. The Executive Committee shall also ascertain from time to time the allowable outlet and/or fair proportion of the state attowable to be allocated to this field, and shall recommend such fair proportion to the State Oil Committee to this field, and shall recommend

ALLOCATION OF ALLOWABLE CUTLET

Except in the of water units as hereinefter defined, the field allowable shall be allocated among the verious units on the following basis: of the daily allowable outlet from the field shall be prorated among the several producing units and fractional units without reference to the producing ability thereof, each fractional unit participating to the extent of its prorata part of a full unit. The other three-fourthe fall of the delly allowable public shall be proveded to each producing unit in the ratio that the average daily potential production of each unit bears to the average daily potential production of the field; each producing fractional unit shall be entitled to the part it would get as a full unit on the above basis multiplied by the fraction obtained by using the number of acres therein as a mulerator and the figure forty "40" as a denominator. In the event cold sircumstances should arise under which the division of allowable outlet as herein provided skould work an undue hardship upon the owner of any unit or fractional unit, the Executive Committee is authorized to neke special adjustments after hearing upon notice to all parties concerned; and, subject to the fight of enecal to the General Commistee, such redinstrants when wade shall be firel and binding upon all parties

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after, any unit (herein styled "Water Unit") which during any preceding thirty (30) day pariod has produced a gross quantity of fluid, containing at least 25 water shall at the election of the operator in the manner hereinafter provided, be entitled to receive an allocation of the daily allowable outlet, based withou on an allowance of 20% for acreage and 75% for average unit notential or 40% for acreage and 60% for average unit potential. Any observor controlling such water unit desiring to change the method of allocation shall deliver to the Unpire on or before the 10th dev of any calendar month a written request for a change in allocation, which request shall also contain necessary data to qualify such unit as a "Mater Unit" as hereinabove defined.

The allocation to such unit in the Hobbs Pool shall first be computed exactly as prescribed in Paragraph (b) of this Agraement, viz., using 20% as the acreage factor and 75% as the potential factor. A second computation shall next be made in like margier using top as the acrosse radger and top as the petential eactor. The Umpire shall then assign to sach water unit the larger of the two allowables thus computed for each such water unit. The total of all allowables for water units thus computed shall be deducted from the delly allowable outlet, and the remaining daily allowable outlet shall be allocated to the non-water units exactly as prescribed in said paragraph 4 (b) of this Agreement, using 25% as the acreage factor and 75% as the potential factor. To illustrate: Assume 200 units in the Hobbs Pool of which 40 units are water units; assume a daily allowable outlet of 30,000 barrels; and 2000 home to have been allocated to the water units. Twenty-five percent of this 24,000 barross or 6,000 barrels, shall be allocated ratably to each of the 160 non-water units, which would give an "Acreage allowance" of 37.5 barrels to each non-mater unit. The remaining 18,000 barrels shall be allocated to the several nonwater units in the ratio that the sterage dails not ential production of the coveral non-water unita bears to total everage daily botential production of the 160 non-water units

.>6. UNITS NOT CAPABLE OF PRODUCTION ALLOWABLES

If any pair connet product the spacest chiberton to it, the exects of the ellowedule over the producing caresty of the rest which be distributed to the rest. maining units by first deducting the delig production of the units from the delly field chlorable end, size by lifectly the quaker of med units fice the total timber of units in the field, then ellocation the remainier field allowable to the remaining Little of the state of the second state of the second umits as Leroingbove-ซาวังชีวิจอล์

In lieu of oven flow or tubing potential tests the operators garee to adjust potentials and thereby withdrawals in such assumer as to approach a uniform bottom bole pressure for all wells in the pool.

Adjusted potentials on all wells, excepting packer wells as hereinafter defined and provided for, heretofore completed shall be determined at six month intervals as follows:

The operators have heretofore unanimously adopted and approved a method of declining potentials known as Plan 2A. This method is hereby approved, re-adopted and is applied as follows:

Beginning December 1, 1930, the potential of each well shell be readjusted every six months thereafter using the average bottom hole pressure of all wells at the beginning of said six months period as a denominator and the new bottom hole pressure of each well as a numerator, both readings being reduced by two-thirds (2/3) the average field pressure, and the quotient multiplied by the potential of said well at the beginning of said six months period shall be the adjusted potential of said well to be effective for the succeeding six months' period; provided that the average bottom hole pressure of the field shall be assigned to each packer well and its new potential arrived at as provided for herein for non-packer wells.

The Umpire shall each six months determine the bottom hole pressure of each well in the field, provided that for each well in which the bottom hole pressure cannot be safely determined for mechanical reasons, such well shall have assigned to it the bottom hole pressure of the mearest well in which a bottom hole pressure is taken, or if equidistant from two or more wells in which bottom hole pressures are taken said well shall have assigned to it the average of the bottom hole pressures of said equidistant wells. All packer wells may be bombed and the pressure obtained shall be used in determining the field average pressure. Potential of packer wells shall be declined as in the past.

As the hottom hole pressures of the entire field decline the executive.

Committee shall have sutherity to edjust from time to time the fractional part of the average field pressures to be subtracted from the bottom hole pressures in determining the numerator and denominator of the fraction used in adjusting potentials under Plan 24.

The potential of no well shall be adjusted below the unit allowable on someons, and this shall be considered to be the potential of the well, should it be necessary to make an upward revision of the potential fine to an increased bottom balo

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A packer well, as referred to horein, is any well in which a formation packer has been set for the purpose of conserving reservoir energy.

- 8. POTE:TIALS OF WELLS COMPLETED BURSEQUENT TO JANUARY 1, 1937:
- be produced through the tubing for a period of two (2) hours. The first hour's production shall be disregarded, but the last hour's production shall be gauged. The one hour tubing test multiplied by 24 shall constitute the tubing potential. The casing shall then be opened and the well produced through casing and tubing for a period of one hour. The quantity of oil so produced multiplied by 24 will give the open flow potential, which will be used in determining the allowable unit production. It shall be the privilege of any operator to use the tubing potential herein provided for in connection with the current tubing casing potential curve as approved by the Engineering Committee, as hereinefter provided for, to ascertain the open flow potential of any well without taking the combined casing and tubing flow as provided for herein. Pumping wells shall be tested for a period of six hours and this figure when multiplied by four will be considered the potential for determining the allowable production.
- (b) The Chairman of the General Committee, upon recommendation of a majority of the Engineering Committee is authorized to make any variations in the rules set out in Paragraphs ? and 6, to make the plan workable, and such changes shall be promptly submitted to the Executive Committee for approval.
 - 9. SHOOTING, DEEPENING AND ACID TREATMENT:

The parties hereto agree, that no well in said field shell be shot with explosives without first obtaining the written permission of the Executive Counittee.

All applications for permission to treat wells with acid shall be submitted
in writing through the Unpire to the State Geologist. The potential of a well deepened and/or treated with acid shall be the potential of the well before acid treatment
and/or deepening modified by declining at each potential period at the same rate as
the average potential decline of the field. I middly with markety acid to the field markety acid, 1937
acid, the pertion has the field markety acid field shall be not on

nittee and further saves not to use such gas lift for the purpose of taking potentials. The perties i which agree not to operate any waite in such ranner no number assuring to margarenably to paste eas or material? To utseize the natural proscure

- to level the sand with and make the

thereof and to follow the instructions of the Executive domnities promptly is correct-

11. The parties hereby express the view that a policy of drilling only one well in a given horizon to the unit, or fractional unit, as far as it is practicable in the judgment of the individual operator, is highly desirable, and they hereby agree that in any event no well shall be drilled nearer than 330 fact to the boundary line of any separately owned tract.

12. It is recognized that the Executive Committee requires a secretary and umpire to aid it in carrying out the program herein outlined and may be required to incur additional expenditures in carrying out said program. It is understood that the expense shall be borne by the parties hareto prorate on the basis of their proportionate participations in the allowable outlet as herein provided, and they severally agree to pay to the Chairman of the Executive Committee such prorate immediately upon receipt of statements; provided, however, that neither the Commissioner of Public Lands nor the State of New Mexico shall be required to pay any part of such expenses.

- 13. Each operator shall be entitled to name one Petroleum Engineer as a member of the Field Engineering Committee of which the Umpire shall be Chairman.
- 14. This agreement shall not be binding upon any of the parties hereto unless and until it is executed by all of the parties whose names appear in paragraph 2 hereof and is approved by the Oil Conservation Commission of the State of New Mexico, but if and when so executed and approved, same shall be binding upon all parties hereto and their respective successors and assigns, and shall be and remain in full force and effect for a term of twelve months from the said date of January 1, 1936, and may be renewed or extended for successive periods of time thereafter by the agreement of all parties hereto in writing with the consent in writing of the Oil Conservation Commission of New Mexico, provided, however, that any party hereto, including members of the State Oil Conservation Commission, may at any time, withdraw from this agreement upon giving thirty (30) days notice in writing to all of the other parties hereto, and, in that event, this agreement shall, from and after the date specified in said notice, be considered as terminated.

THIS AGREEMENT may be executed in counterpart and when so executed the several counterparts shall be desaid to be a single agreement.

IN TESTIMONY MIERROF WITHERSETH the signature of the respective parties hereto by their respective officers and agents hereunto duly authorized.

AMERADA PETROLEUM CORPORATION C. V. MILLIKAN	OIL WELL DRILLING COMPANY
By: Proxy: H. E. MARSH	BY: W. E. CUNNINGHAM
ATLANTIC OIL PRODUCING COMPANY	REPOLLO OIL COMPANY
BY: E. H. BLUM	BY: GLEN HARROUN
CONTINENTAL OIL COMPANY	SAMEDAN OIL CORPORATION
BY: A. B. SILCOX	BY: LLOYD NOBLE
MAPIRE GAS & FUEL COMPANY	SHELL PETROLEUM CORPORATION
BY: M. R. SHAFFER	BY: T. E. SWIGERT
CETTY OIL COMPANY	SKMLLY OIL COMPANY
BY: DEG E. MARNING	BY: J. S. FRESIAN
GYPSY OIL COMPANY	STANOLIND OIL AND GAS COMPANY
BY: RUSH GREENSLADE	BY A. M. McCORKLE
Vice-President HUMBLE OIL & REFINING COMPANY	TEXAS PACIFIC COAL & OIL COMPANY
BY: JOHN R. SUMAN	BY: C. A. YAGER
LANDRETH PRODUCTION CORPORATION	THE CALIFORNIA COMPANY
BY: E. A. LANDRETH	BY: H. J. HANLEY
NAGNOLIA PETROLEUM COMPANY	THE TEXAS COMPANY
MAGNOLIA PETROLEUM COMPANY BY: C. L. GLADDEN	THE TEXAS COMPANY BY: C. B. WILLIAMS
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION	
BY: C. L. GLADDEN LID-CONTINENT PETROLEUM CORPORATION (7 BY: C. O. MOODY	BY: C. B. WILLIAMS
BY: C. L. GLADDEN LID-CONTINENT PETROLEUM CORPORATION (7	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION (7 BY: C. O. MOONY Vice-President	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY BY: T. A. HALL
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION G. O. MOODY Vice-President OHIO OIL COLPANY	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY DY: T. A. HALL TWIN STATES OIL COMPANY
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION G. O. MOODY Vice-President OHIO OIL COLPANY	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY DY: T. A. HALL TWIN STATES OIL COMPANY BY: F. E. HEATH
BY: C. L. GLADDEN LID-CONTINENT PETROLEUM CORPORATION BY: C. O. MOORY CHIO OID COLPANY BY: GLENN BISH	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY BY: T. A. HALL TWIN STATES OIL COMPANY BY: F. E. HEATH WALKER OIL CORPORATION BY: B. A. BOWERS FRANK VESELY
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION BY: C. O. MOODY Vice-President OHIO OID COMPANY BY: GLEWN BISH APPROVED THIS 22nd day of January,	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY BY: T. A. HALL TWIN STATES OIL COMPANY BY: F. E. HEATH WALKER OIL CORPORATION BY: B. A. BOWERS
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION BY: C. O. MOODY Vice-President OHIO OIL COMPANY BY: CLEAN BISH APPROVED THIS 22nd day of January, 1936, as of the First day of January, 1936: CLYDE TINGLEY	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY DY: T. A. HALL TWIN STATES OIL COMPANY BY: F. E. HEATH WALKER CIL CORPCRATION BY: B. A. BOWERS FRANK VESELY Commissioner of Fublic Lands
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION BY: C. O. MOONY Vice-President OHIO OIL COMPANY BY: GLENN BISH APPROVED THIS 22nd day of January, 1936, as of the First day of January, CLYDE TINGLEY Chairman	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY DY: T. A. HALL TWIN STATES OIL COMPANY BY: F. E. HEATH WALKER CIL CORPCRATION BY: B. A. BOWERS FRANK VESELY Commissioner of Fublic Lands
BY: C. L. GLADDEN MID-CONTINENT PETROLEUM CORPORATION BY: C. O. MOODY Vice-President OHIO OIL COMPANY BY: CLEAN BISH APPROVED THIS 22nd day of January, 1936, as of the First day of January, 1936: CLYDE TINGLEY	BY: C. B. WILLIAMS TIDE WATER OIL COMPANY DY: T. A. HALL TWIN STATES OIL COMPANY BY: F. E. HEATH WALKER CIL CORPCRATION BY: B. A. BOWERS FRANK VESELY Commissioner of Fublic Lands

MINUTES OF THE HOBBS POOL GENERAL COMMITTEE MEETING HELD AT SANTA FE, NEW MEXICO ON DECEMBER 10th, 1936.

MEMBERS PRESENT:

T. J. Slavik Lloyd L. Gray G. S. Bays m. Albertson F. E. Heath J. P. Cusack E. A. Wahlstrom Glenn Bish H. L. Johnston P. M. Colliston James Murray, Sr. B. A. Bowers W. E. Hubbard G. L. Shoemaker L. W. Biddick A. A. Kemnitz E. H. Wells J. W. Jordan Jack H. Kankin C. B. Williams B. D. Bodie W. E. Cunningham Luther A. Neal Leo k. Manning Ernest A. Hanson Harvey mardison Lucius M. Lamar R. S. Christie C. N. Millikan Edgar Kraus Herman R. Crile F. J. Vesely J. N. Dunlavey

Gulf Oil Corp. Gulf Oil Corp. Stanolind Oil & Gas Co. Shell Petroleum Corp. Sun Oil Company J. P. Cusack, Inc. Stanolini Oil & Gas Co. Ohio Oil Co. Continental Oil Co. Continental Oil Co. A. P. Correspondent Walker Oil Corp. Humble Oil & Refining Co. Shell Pet. Corp. Samedan Samedan State Geologist Repollo Oil Co. Repollo Oil Co. The Texas Co. Empire Vil & Ref. Co. Oil Well Drilling Co. Landreth Production Corp. Geo. F. Getty Oil Co. U. S. Geological Survey The California Co. The California Co. Amerada Petroleum Corp. Amerada Petroleum Corp. Atlantic Refining Co. Oil Well Drilling Co. State of New Mexico Skelly Oil Co.

Mr. McCorkle asked Mr. Hubbard to preside, minutes of the last meeting read and accepted as read.

Mr. uubbard:

You have had the expense report, that would take the place of any treasurer's report. That is the only report on finances ever had. Any reports of standing committees and special committees?

As you know, every year the hobbs Agreement must be signed again if to remain in effect. That time is now here. I would like to throw the whole subject open to discussion. Sincerely nope we can adjust any difficulties we have. I will entertain any motions or discussions you sentlemen may desire.

Mr. McCorkie:

I want to say I have here a copy of the two plans that were circulated last year. I can give each operator a copy if they would

like to see them.

(Mr. McCorkle distributes agreements.)

Mr. nubbard:

anybody here who wishes to make any statement concerning either of these plans or any other plan acceptable for the coming year?

Mr. Wahlstrom:

As far as Stanolind is concerned, not necessary to say anything. We are consistant not to see potentials used in any plan in the Hobbs pool.

Mr. Hubbard:

You have any specific plan in mind?

Mr. Wanlstrom:

Not particularly no.

Mr. Hubbard:

Think it might be well for discussion on that point. Mather an important step. Have you any ideas on the subject, Mr. Gray?

Mr. Gray:

No, I haven it. Not very much to discuss until something put on the board as evidence that the plan should be changed. We have been going along five and one-half rears operating on the present plan. It is rather a major step to jump from that to any other. Must have something to shoot at before I could discuss it.

Mr. Hubbard:

It might be well to make a discussion revolve around some definite point, have someone make a motion concerning the recommended plan for 1937. Then we could have general discussion.

Mr. Wahlstrom:

I make a motion the Hobbs Operators adopt an acreage plan of proration presented.

Mr. Bowers:

Second the motion.

Mr. hubbard:

The motion is now open for discussion.

Mr. Cusack:

Put to a vote first as to sentiment.

Mr. Hubbard:

Have discussion first. After voted on, no discussion submitted.

Mr. Albertson:

I would like to ask Mr. Wahlstrom whether he would outline the reasons which indicate to him the acreage plan is more reasonable, equitable, and desirable than the present plan.

Mr. Wanlstrom:

of hearings held before the Commission in regard to the fields. There is no mention made of potentials in any of these hearings. No company requested consideration of potentials in any form in other fields in Lea County. At the resent time there are two standards of proration in the Lea County fields, Potential at Hoobs and acreage in the other pools. Operators should get a system and accept one or the other in all fields.

Mr. Bodie:

Isn't it true the other fields have more similarity between themselves they do in regard to the Hophs Pool. Isn't it true all wells of the other fields prorated principally on well acreage pasis alone, more or less have uniform potentials close together?

Mr. Wahlstrom:

I don't believe that is true.

Mr. Heath:

When we consider the question before us, we cannot afford to pass on without consideration of what was benind us in this particular field. The time we first had proration in the hobbs field, no company or individual felt the acrease system of proration a proper system. We set up the system here, operated under it and controlled the field, which is today one of the outstanding fields as far as conservation and progress is concerned. I believe it might be quite valuable for all of us to consider that certain equities have been established under

this method, royalty owners receive royalties under this method. A great deal of questions and troubles arise from any drastic change as a complete removal of the present plan and the adoption of a new plan. Should very carefully consider any step from the present plan or any large step away from it. I feel if at this meeting, if we find we cannot agree, it would be well for us not to try to settle it here, but go at it on a proper basis and see after analysis of the matter very carefully we cannot agree on some plan.

Mr. nubbard:

Will ask Mr. Milligan if ne cares to make a statement concerning this matter.

Mr. Milligan:

The only objection in continuing the present plan in question is it is inconsistent to the rest of Lea County, but so far as I know there is no State in the country that has followed any particularly consistent rule on establishing the equalization of various pools and distribution within the various pools on one common basis, even as closely as here.

I think the fact you have an established method here, I don't see a thing wrong with the method, I think had the other pools been brought in and had to be prorated at the time of the Hobbs Pool, I think that would have been some system similar to the Hobbs Pool.

As far as the potential factor is concerned, have and still feel the potential factor comes nearer to approaching an equitable basis of proration. I have not held to the potential method in other fields of the btate of New Mexico, not because I did not feel it right, but rather because of the abuses of the wells to obtain better potentials, and therefore perhaps from an equity stand, inequitable potentials. To put that potential method similar to hoobs into effect in new pools under development would probably result in a waste which ultimately would be a greater proportion than the waste involved under a potential method, which would probably bring to ultimate recovery a better relationship between units of the fields.

Hoobs was developed in most part at a time when we either did

not know how or did not take advantage, if we did know, of means of establishing such inequitable potentials, and there are some later wells which have probably lost. But all in all not a major portion of the field by any means, and while it brings in a certain amount of inequitable proration, it is less than enanging the present proration method to the same basis established in the rest of the pools in Lea County.

I think a study of the history of the pressures primarily have shown that the units of low capability roduced, generally speaking, have had greater withdrawal than apportionate reserves as evidenced by the pressure.

Some two years ago, we put into hobos bottom hole pressure adjustment for those potentials and those pressure adjustments resulted in larger adjustments of potentials both ways, which is on the same theory in Hobbs as we had in effect in Monument field at the present time, and since we have put in that bottom hole pressure adjustment, there has been less divergents between low potential units and high potential units, as class individual. Exceptions both ways, but less divergent than those existed to the time bottom hole pressure was put into adjustment.

It may be we want to change the method of adjustment, either up or down, perhaps some other things to bring better equity, and by looking over the condition of the field as a whole, it seems to me the field is in excellent condition from a content tion condition, at the present time, as a result of the progress of the present provation agreement, and while we have no specific evidence as to what would happen to the condition of the pool if we make a major change in the provation agreement and allocation method, I think from the history we have had from various conditions in other fields that would be comparable to hobos, the evidence is in favor that we would upset the equilibrium much more in making a major change in the agreement as suggested than we would by maintaining the present allocation system.

Mr. Hubbard:

Were you through?

ar. dilligan:

Don't know anything else to say.

Mr. Bodie:

The matter of acreage now would very likely undo what we have done during the past to establish equal portom note pressures.

Mr. Dewey:

I want Mr. Wanlstrom or Mr. Milligan to enlighten me whether either the operators or commission run any legal dangers on potentials due to the fact the only test case we have ever had on proration in New Mexico on the Hobbs Field, and am under the impression the case made upneld 75 potentials and 25 acreage, the case of the Stanolind in the Federal Court. Don't know what the legal implications are.

Mr. Lamar:

Don't remember that case. The only standard in the law reasonable says the tendency of any plan shall be to give each operator his proportionate total recoverable oil there. As to each of these two plans giving the operator that, I don't know.

Mr. Dewey:

That decision was before the present law was placed on the Statute book.

Mr. Wahlstrom:

That was a drainage case. The proration features not defined. The Stanolind did not get on the stand.

Mr. Lamar:

Mexico Commission acted on this matter under the present statute, it was purely a voluntary agreement, and by all of us signing the agreement through a course of several years, we may have assumed some legal responsibility to maintain a somewhat similar proposition in regard to the royalty owners. In other words, if we change around, some royalty owners may pop up and say what about these past years. Before it was voluntary. Don't know the law, but it strikes me there is an element of danger in that.

Mr. Hubbard:

Tell me for point of information whether two plans that aren't wholly dissimilar could both be called reasonable by the Court? Mr. Lamar:

Yes, no question about that. The Commission can adopt one reasonable plan in Monument and another in Hopbs and still another for Jal. Things are not so completely cut and dried that you cannot do that. Mr. Hubbard:

Possibly would apply to plans in a single pool?

Mr. Lamar:

Yes, I think so.

Mr. Hunbard:

In the case of Hobbs or Monument?

Mr. Lamar:

Yes.

Mr. Hubbard:

Any other discussion on this important question?

Mr. Bowers:

One point I want to bring out. Don't if anybody thought about it. The plan that was first used in Hobbs was conceived under the old idea or practice of Law of Capture. Had not heard anything about anything else and doubtless under that would consider the equity fair plan of arrangement in New Mexico. We have graduated from that and worked around to a **xx** view point more of an effort to locate the oil in place and there is a difference considering those plans under those two conceptions as I see it.

Mr. Hubbard:

Does that agree with your ideas, Mr. Lamar?

dr. Lamar:

Don't know if the statement was to agree or not. There is a difference on the stan of allocation placed to two different theories. A pretty hard matter to draw the line.

Mr. nubbard:

Any of our arbitrary features have to draw any line.

Designation of any ideas of two plans equally successful in pusiness.

One man runs his business under one plan and runs it enecessfully and another man runs his business under another plan, and there is a difference of the conception of oil recovered, whether making an effort to get the oil in place or following the old practice of getting all you can.

Mr. Wahlstrom:

The old agreement based entirely on law of capture and since new law enacted recoverable oil in place have two entirely different standards of proration than in the past.

Mr. Milligan:

bon't think that follows. Don't think that evidence a change is necessary. Under the so called system of law of capture which so far has not been drilled under a uniform method protected the best we knew how. We know to establish too great potential is running hazard during completion and great expense. Lunning danger of oring wells too rapidly on to water or gas and other conditions familiar to all of us. Put those things into effect and we establish our allocation on basis of the capacity of the well to produce. Since then nowever with our conservation measures, they permit us to establish potential and when established determine the ultimate recovery from that unit by our practice even at hobbs. What is the difference what we do to bring well on to water, drilling too deep or too much acid, we still get just as much oil, does not change potential.

can get oil out at the potential established at completion. It is not the fault of the potential method when applied to particularly new fields. The potential method not wrong, but the abuses of it result in excessive waste under the whole potential method. It results in waste out of proportion of inequities established a allocation masis of potential.

take advantage of those things we are so prone to do to give us that unfair advantage relative to units at the present time, so I don't see that the notes agreement which has been in effect and established and then the field developed under one condition, which condition of development is entirely different than that we had to go through in developing the other fields. If the same system of allocation used in the other fields as in Hobbs, certain amount in mobbs due to recent development.

Mr. Hubbard:

Want to ask an Engineering question based strictly on waste. It is your opinion if the total outlet of the field were need down very low, it is possible that anyone of a great number of proration plans might satisfy the simple condition preventing waste?

Mr. Milligan:

Yes, with certain modifications, which are bound to come in. Mr. Bowers:

I believe that is true. That is extremely true the rate of withdrawal is very slow if a very small percent of the field produce ammost under any plan to eliminate waste. The total withdrawal of ordinary physical conditions of the field so slow and constant as not to trap oil at a later recoverable date.

Mr. Hubbard:

The reason I ask that is this. We have a great many / is in Texas where they apparently have considerable difficulty to prove underground waste in the field. In great many cases, inequities very close but at the same time they cannot prove waste.

Mr. Milligan:

Inequity in allocation out not waste. I think probably if we would go to the acrease plan, I don't know if it would create waste, but it would establish greater inequities to units than that which exists at the present time.

ir. nubbard:

Any other discussion? Call for a question or discussion. Expect we have all forgotten the motion.

Mr. Williams:

One point. I agree in general with Mr. Milligan's discussion of the question that a radical change would cause some radical readjustments in the reservoir conditions and this matter of ratable takings or rate of recoverable oil in place is based on the pool being a common reservoir and our development of the Hobbs plan has heretofore been directed along that line to recover the proper amount of oil from the reservoir or the oil in place. That was the reason of course for adopting the bottom hole pressure correction to the potential factor, and as I understand it, the units in the field which would gain by changing now to the acreage plan have been penalized, as you might call it, due to that bottom hole pressure correction, and I am not sure what the bottom hole pressure map shows. I have not seen recent map, but I assume the continued drop in the bottom hole pressure wells on those units have reduced the allowables and if you increase the rate of taking from those units from that existing present plan, there would still be further and greater drop in the bottom hole pressures in those wells which would, in my opinion, tend to cause drainage to those units from higher pressure units, contrary to shooting it in our development heretofore, so that I think it would be dangerous to make a change unless we were very sure such a change would be directed toward equalizing or holding up bottom hole pressures in low pressure areas, rather than increasing the drop.

Another thing I think should not be lost sight of which is this. That Hobbs, as we all agree, has been operated in a very efficient manner and I think this has been due to the cooperative action of operators in that pool. It seems to me the operators in the Hobbs pool made a wholehearted effort to conserve reservoir energy for the benefit of the pool as a whole than generally applies to oil fields all over. So I believe it is highly important if possible to do so, if we reach some unanimous agreement in order to continue the good work. I would very

much dislike to see us have to go ahead under some plan where there would not be a unit agreement. I think another thing comes in along that line. The water encroachment has generally come in on the South west portion of the pool, but nevertheless due to conservation efforts, wells which first started making water are still producing oil, and as yet we have not had any portion of that field flooded out and the wells lost.

We had one well which was among the first making water in a large percentage and that well by efforts of ourselves and others restrained the water and is now producing its allowable with a very small percentage of water, which possibly may be due to a slight leek in the packer. Tested that packer several times but are not able to get complete shut off. That percentage has not increased and indicates it may be a slight leak. So I believe that any radical change in the method of proration in the handling of the pool might easily result in great danger of encroachment of the water than what we have now.

Mr. Hubbard:

Wonder if it is the opinion of this group that it would be in order to have a test vote. Have had the question very well discussed I think certainly from both sides. We quite often, as you know, have test votes. Sometimes they show an impasse reached and another motion is in order. We have a motion before the house.

Mr. Lamar:

Want to ask Mr. Williams a question. Do you think the map units which have been situated under the present plan have perhaps gained a more healthy reservoir condition that lost?

Mr. Williams:

That is my opinion. Of course we only know what has been accomplished under our present method of operating the field. In our own case, I believe there is no question that the cooperative efforts of operators to control the gas-oil ratio and control water benefited our lease. I think it must have benefited others who have had water encroachment.

mr. Bowers:

I believe probably the greatest benefit had out of that plan is the benefits primarily accrued under the plan through this slow rate of withdrawal.

Mr. Hardison:

Has anyone said the present plan is inequitable as between units?

Mr. Hubbard:

I don't believe so.

Mr. Rankin:

We think the present plan is inequitable in resulting in withdrawals between units.

Mr. Wahlstrom:

The Stanolind believes they have not gotten their share of oil in place today.

Mr. Rankin:

Can show you proof here.

Mr. Bowers:

Want to say we have received very good and considerate treatment by the operators and have met our requirements. Have not anything to kick about, but do want to go on record saying that for the last two years, have been fully convinced that an acreage method of withdrawal is more equitable than the one in effect.

Mr. Hubbard:

Almost comes down to the question how the different members present are going to vote on this motion.

Mr. Kraus:

Not necessarily so. Take the Atlantic. Our general conviction to restrict the production of fields, the acrease plan is more equitable, cheaper to operate and supervise and will give substantial equity, but in view of the fact that the Hobbs Agreement has been in force as long as it has and it seems to be the agreement under the old plan, we would probably vote to continue the present plan.

Mr. Lamar:

Want to point out in my opinion, acreage is a very large factor in the present plan, not only 25% straight factor and is ultimately one of the two elements in the potential factor. It is stated in the formula that the adoption of a unit is a certain size. Take an average potential. In case more than one well does actually produce, the acreage is not considered, 75% factor, gives you a very large total place of acreage in the present plan.

Mr. Bowers:

Supposing a man had in East Texas a well drilled on a three acre tract, another man on a ten acre tract, and another 20 acre tract. The potential under a plan 25-75 would allow him to produce twice as much as the man on the 20 acre tract. Would you feel that an equitable justification that ratio of production.

Mr. Lamar:

Sure hate to get into East Texas. I made the assumption that ultimately applies in this situation to equal size of tracts.

Mr. Bowers:

There is a certain point where that is equitable. Potential can throw your ratio of acreage completely out of kilter.

Mr. Gray:

In the Hobbs pool, we have established two pay zones in certain areas and in some three or four and in some five actual zones, all entirely separate from each other. In general, wells around each pool produce from one or occasionally two of those pays. Certain wells have pressure of approximately one thousand pounds. Other wells, incidently the one with one thousand pounds is producing from one pay zone. Other wells producing from more than one pay zone the bottom hole pressure is thirteen hundred and some pounds open to three of the zones. The actual flowing pressure of the well with more than one zone open exceeds shut in pressure of the single zone. Under an acreage plan, both of those wells allowed the same amount of production. I cannot see how it is possible to keep drainage from one to another in that

condition where all allowed to produce the same amount.

Mr. Hubbard:

I would like to revert back to that statement of Mr. Lamer's. It is highly important and gives me an idea. It is conceivable that where spacing restrictions such as only one well produce in forty acres, and it does because we have unit proration, it is conceivable that your 75 potential plus 25 acreage in Hobbs can be looked upon A x P - A which conceivably might have more acreage in the formula than the API formula. We have a situation in West Texas the allowable we prorate on a potential basis and have a marginal low acreage 50-50, that part gives potential approximately half the total allowable. Think that a very important point. I am not sure what I said about A x P - A is true, but it is a possibility.

Mr. Lamar:

Believe it is true.

Mr. Hubbard:

I would say so. Any more discussion? It might be well to have a vote on this motion if the group is ready for it. Don't want to cut down this discussion at all however.

Question.

Mr. Hubbard:

Ohio

You have heard motion, better vote down the list.

Amerada No. Atlantic No. Continental No. Empire No. No. Getty Gulf No. Humble No. Landreath No. Not present Magnolia Mid-Continent Not present

No.

Oil Well No. Repollo Yes. Samedan No. Shell Not voting Skelly No Stanolind Yes Sun No California No Texas No Texas & Pacific No. Tide Water Not Present. Twin-States-Sun No. Walker Yes.

Mr. Aubbard:

We have three yes, one not voting, one absent.

Mr. Albertson:

Want to make an explanation. We are evenly balanced on interests concerned and we would vote anyway necessary to make an unanimous plan.

Mr. Bodie:

Take that to mean to vote with the majority?

Mr. Albertson:

No, reserving our vote for the moment.

Mr. Hubbard:

That motion has been killed, any other motions?

Mr. Williams:

How many voted no?

Mr. Hubbard:

Have not figured the percent. That will be done Seventeen voted no. The meeting is ready for another motion and discussion. Any statement anyone wishes to make about the course of this motion?

Wr. Milligan:

May I suggest the Stanolind have made their position clear,

but the Repollo stated their position quickly. Do you care to elaborate on it?

Mr. Rankin:

The Repollo favors any plan which does away entirely with potential, and takes the acreage factor as much as it can approaching one hundred percent.

Mr. Hardison:

For what reason?

Mr. Rankin:

The inequities existing between fields. We have several wells that have daily allowable far in excess of given potential.

Mr. Gray:

That would prove the other way. I don't think that is well founded engineering practice.

Mr. Milligan:

I don't quite get that.

Mr. Gray:

There are certain wells in the field that have a daily allowable and can produce far in excess of the assigned potential due to the present plan in force. Wells have actual potential of several thousands of barrels per day.

Mr. Bowers:

On actual test can produce several barrels, and assigned much less.

Mr. Gray:

Favor the use of bottom hole pressure for potentials.

Mr. Kankin:

We favor any plan that approaches 100% straight acreage total against potentials of any kind.

Mr. Bayes:

There were seventeen operators voted for the continuation of the present plan, fourteen operators for material advantage and the other three have no material advantage.

Mr. Hubbard:

That may be quite true. It seems to me as long as this meeting was called, I believe to discuss whether or not the present plan be continued for another year, it might be well to have a motion on that particular point. It might be the voting would not quite agree with the voting on the first motion. Wonder if it would not be well to have that in a form of a motion.

Mr. Bowers:

I make a motion that the old plan be continued for 1937.

Mr. Hubbard:

Have a motion that the present Hobbs plan be continued for 1937 for a test vote.

Mr. Biddick:

Second the motion.

Mr. Hubbard:

A motion made and seconded that the present plan be continued. Any discussion?

Mr. Hardison:

I believe it possible in a new plan adopted to take care of any inequities which may be caused by present method of correcting potentials by bottom hole pressure. I believe that is the only thing holding up the plan.

Mr. Hubbard:

Do you not feel it would be helpful to have this vote?

Mr. mardison:

I da. Question

Mr. Hubbard:

Amerada	Yes
Atlantic	Yes
Continental	Yes
Empire	Yes
Getty	Yes
Gulf	Ves

			The state of the sta
Humple –	# Jan 1	Yes	
Landreath		Yes	
Magnolia		Do 1	not care to vote
Mid-Contin	nent		present
Ohio		Yes	
Oil Well		Yes	
Repollo		No	
Samedan		Yes	
Shell		Yes	
Skelly		Yes	
Stanolihd		No —	
Sun		Yes	
California	(A) The control of th	Yes	
Texas		Yes	
Texas-Pacif	fic	Yes	
Tide Water		Yes.	This morning would have voted for Acreage
Walker		No.	

Mr. Hubbard:

This vote came out exactly the reverse order of the previous vote. We know at least how the group stands on this question. We have made some progress certainly. I think Mr. Hardison made a suggestion that possibly certain inequities of the present plan sould and should be worked out by a different use of bottom hole pressure.

Mr. Hardison:

I believe the present correction adopted two or three years ago at that time we felt that sooner or later there would be some inequities show up and we figured it would probably be necessary to make some changes in those corrections.

Mr. Bowers:

Did not you make a change last year in the factor applicable to bottom hole pressures?

Mr. Rankin:

Changed from 1000 lbs. to 2/3

Mr. Milligan:

Reduced adjustment a little.

Mr. Hardison:

No doubt by changing that some equitable correction could be made in wiping potentials out entirely.

Mr. Rankin:

Regardless of how we reduce this reduction, we still have these old potentials established during the years have not declined, and seems that they should be.

Dr. Wells made a statement off the record.

Mr. Hubbard:

I wonder if there is a possibility of reconciling our differences here as there are a few voted no on the second motion. There are three nos to second motion and three yes on first motion. Would like to ask in turn those who voted no on the second motion if they feel from what they have heard this morning whether or not there is a possibility of reconciling what differences we have had this morning. The Stanolind?

Mr. McCorkle:

Mr. Wahlstrom is doing all the taling for the Stanolind so far. We have in the past as the records show, never been in favor of the present plan, although we voted for it in the spirit of harmony. I would like to hear from Mr. Wahlstrom if he has any further remarks. Mr. Wahlstrom:

I don't believe I have anything further to say. Definitely no. Mr. McCorkle:

He has stated already we were not in favor of the continuance of potentials in any form.

Mr. Hubbard:

Will ask Sinclair?

Mr. Rankin:

Not present.

Mr. Hubbard:

Mr. Bowers?

Mr. Bowers:

Whenever an agreement can be reached, we will not block it. Solong as there is a plan for straight acreage, expect to support it.

Mr. Hubbard:

There appears to be considerable portion of acreage in the Hobbs plan. Some opposed to the continuation of the use of potentials. Frankly, don't know what to do about it. You heard what Dr. Wells said on the question. That he will consider certainly a majority vote, but he cannot indicate what weight will be given to it. Wonder if anybody has a suggestion what to do in this emergency. It seems to me to be somewhat serious.

Mr. Milligan:

Stanolind and Repollo are the principal opposers and wonder if either one or both are willing to discuss the thing further or whether they want to sit on their present position and throw the thing before the Commission.

Mr. Hubbard:

Tried to bring that point out and it struck me they did not want potentials in the formula.

Mr. Milligan:

That may be. I may want 100% or are we willing to discuss it or sit tight on the two positions and take before the Commission. Stanolind and Repollo taking the position they do not want to discuss any further. That is one thing.

Mr. Rankin:

We are not iron bound in saying we won't consider any other plan. However I think the reason for all discrepancies and various variation are due to the establishment of these potentials. I think any in plan that acreage should be given a great deal of consideration and potential no consideration.

Mr. Hubbard;

Can I interpret your remarks to mean you do not wish to continue the discussion as to whether or not potentials remain or that

you are willing to discuss some other factor put in to take its place?

Mr. Rankin:

True.

Mr. McCorkle:

We agree with Mr. Mankin. We dislike being arbitrary or to take an arbitrary position but I feel Mr. Rankin has stated the position well.

Mr. Willigan:

Neither of you willing to discuss any agreement with anything about potentials in it?

Mr. Hubbard:

Yes. That answers your question Mr. Milligan.

Mr. Cusack:

If you eliminate potential, what other factor enters into it except acreage?

Mr. Hubbard:

Marginal factor, bottom hole pressure factor.

Mr. Cusack:

What would you apply bottom hole pressure factor in?

Mr. Hubbard:

Probably by such engineering committee.

May I understand it is the wish of this group or not for the record to go to the Commission as made or does anybody feel we should have further discussion?

Mr. Lamar:

Is the plan which has so far been proposed identical to the one of last year?

Mr. McCorkle:

That is a copy of the present plan.

Mr. Lamar:

In the main, is the plan exactly the same or any changes. Wonder if it is necessary to prepare something for the Commission or do you want last year's plan?

Mr. Hubbard: As I understand it, the exact copy of the present plan.

Mr. Milligan:

Probably some minor changes if we were to continue the plan.

Mr. Hubbard:

Seems to me we have two courses open. Go on and discuss this matter or turn over this vote and record to the Commission for their decision. Anybody any motion to make in that regard in line with statements of the Sinclair and Stanolind?

Mr. Kraus:

In view of the success in prorating Hobbs field in the past with a voluntary agreement approved by the Commission and in view of possible changes in the Administration this coming year, I move that the operators attempt first to reach an agreement that will be unanimous and present such unanimous agreement to the Commission rather than go before the Commission as a divided body.

Mr. Bowers:

Second.

Mr. Hubbard:

You have heard the motion made and seconded, any discussion?

Mr. Lamar:

What is your idea, form a group committee to try to reach some agreement or thrashing out the trouble here as we did before going before the Commission.

Mr. Hardison:

We have a definite statement that two operators would not consider anything other than straight acreage with bottom hole pressure correction.

Mr. McCorkle:

We would not consider any potential.

Mr. Hubbard:

Taken strictly on bottom hole pressure marginal allowance.

Mr. Hardison:

Marginal allowance practically the same as acreage. Seems to me that is the use of having units.

Mr. Hubbard:

That is true.

Mr. Rankin:

I think taking the factor of bottom hole pressure, if we made corrections in a small degree with bottom hole pressures, you will get the factor of ultimate recovery on time.

Mr. Hubbard:

Gentlemen, we have this motion. I don't think we have discussed everything in connection with this question. Would like to ask Repollo and Stanolind if they would object to discussing it some more. Stanolind and Repollo do not object.

Motion carried.

Mr. Hubbard:

Leaves wide open for further discussion. There are other factors that can be used.

Mr. Hardison:

Could we recess?

Mr. Lamar:

Move we recess until 2:00 o'clock.

Mr. Rankin:

Second.

Motion carried.

Meeting called to order at 2:15 P.M.

Me. Hubbard:

I would like to say this, I believe the oil industry or any portion of the oil industry should be able to manage itself in its business if possible. Of course with that in view, we are having further session this afternoon. You recall some progress was made this morning. We found out where we stood and what the differences are. This afternoon, I do hope some real rogress may be made in working out a satisfactory solution to this. May be in the form of some kind of a compromise. Don't know how it would be done. The chair is open to any suggestions anyone might offer.

Mr. Albertson:

I make a motion the chairman appoint a committee of three. This committee to canvass the situation and see whether anything can be worked out acceptable to the entire group. This committee to be chosen of the companies who neither gain nor lose with either the acreage or potential plan.

Mr. Kraus:

I think sometimes that not accurate. Wells have interest that do not appear. For example, the Atlantic has an interest in the Ohio wells.

Mr. Sanderson:

Some of us here now that were not here this morning. Would you briefly outline the results of this morning?

Mr. Hubbard:

First had motion to the effect that the Hobbs plan for 1937 should ignore potential and be based upon acreage with not the intention necessary to have acreage alone. No potential used in proration formula. After a great deal of discussion a vote was taken and there were three in favor of the motion, one not voting, seventeen opposed. When that motion was out of the way, a second motion was made to the effect that the present Hobbs Agreement or plan 2-A should be adopted for 1937 and the vote for that was the exact reverse of the first motion. Seventeen in favor, three opposed, one not voting. Also in cach case, three not present. That is about the osition at which we closed at noon. Would like to say Dr. Wells made a statement to the effect, off the record, that the Commission might or might not insist upon a hundred percent majority for any plan the operators offered. In other words, The Commission is not necessarily bound by law to accept any plan because it was 100 percent from the operators. We closed at noon at substantially that position. Finally a motion was passed to the effect we would continue this afternoon with more discussion with the attempt to find some way out of the dilemma. The Sinclair and Stanolind expressed themselves very clear to the effect that they would not enter into a discussion if the use of potentials in the formula was to be considered.

That is the situation we are in now.

You heard Mr. Albertson's motion, is there a second to it?

R. Lamar:

Second.

Mr. Hubbard:

I take that to mean that a committee of three be appointed and they will approach the Stanolind and the Sinclair in a small group and discuss the whole matter.

Mr. Albertson:

Their obligation to canvass the situation to see whether a means can be found to get a hundred percent agreement.

Mr. Hubbard:

I am sure we could get an unbiased committee and it might expedite matters. Have the committee report back here say four o'clock. Wonder if it is all right with Stanolind or Repollo to enter into a discussion?

Mr. McCorkle:

O.I. With Stanolind.

Mr. Hubbard:

Mr. McCorkle, I wonder this, if at that meeting you would be disposed to have Mr. Wahlstrom simply show what your position is in regard to your apparent losses under the present system. Not with the idea of furnishing ammunition to some other camp.

Mr. MCCOrnie:

I feel such information that we have all the other operators should have. They have been getting our records from the Hobbs Umpire office.

Mr. Hubbard:

I don't think the situation is entirely hopeless. If this committee were to ask specific questions, you could answer them or not as you chose and I don't see how it could not be information for that particular committee alone.

Mr. McCorkle:

I feel our position on this matter has been consistent for a number of years.

Mr. Eubbard:

True.

Mr. McCorkle:

We certainly don't like to take an arbitrary position, neither do we want to embarrass the Commission, but we have made our thoughts along this line known a number of years.

Mr. Williams:

Question.

Mr. Hubbard:

You have heard the motion made and seconded, all in favor say yes.

Mr. Sanderson:

If you vote for this motion, it does not indicate you are binding yourself to agree to the findings of the committee?

Mr. Albertson:

The Committee will report back to the general group.

Mr. Hubbard:

Seems there might be some little thing ironed out very quickly while it would take all afternoon in a group like this. All in favor say yes.

Motion carried.

I expect that should close the matter for the time being. We all perhaps need to put more study on the question. Might have to have a little help in getting this committee. On this committee I would like to appoint----

Mr. Heath:

Make a motion the chair adjourn this meeting and the committee will be notified.

Mr. Hubbard:

Meeting adjourned until 4:30 P. M.

Mr. Sanderson:

We are very seriously involved in this matter and don't know if our position is understood.

We have attempted to find what was the correct answer to this matter and it goes without saying that we are for potential and for the present basis. As I say, we have attempted to find the correct answer for this problem. In investigating, we find with this proration on one hundred percent acreage basis, which I understand is one of the plans presented this morning, provides that sixty-five percent of the wel whose allowable would be increased by this new plan, would be wells which are now producing from one zone in the field. We know we have two definite zones and perhaps three producing zones in the major part of the field.

It seems to us unfair and inequitable to arbitrarily assign the same allowable to wells producing in one zone in this field as wells producing in two or three. We find in terms of barrels increase that under the acreage plan, $88\frac{1}{2}\%$ increase would occur to wells which are producing from the single zone.

We find that considering the bottom hole pressure that 78% of the wells in the areas which have bottom hole pressure of less than the average bottom hole pressure would be increased under the acreage plan and only 22% lose. We feel to increase these wells that now have less than average bottom hole pressure for the field would result in additional gas coming out of solution and in the end would result in waste, which would be contrary to the law and conservation.

We also feel to increase the allowable from wells that now have bottom hole pressure less than the average, would also cause drainage across boundary lines which we think also would be unfair. We think also it would increase the fingering of water which would not be to the best interests of the field.

For these reasons we feel very strongly the potential factor we now have should be continued. I make this statement so you know our position in the matter.

Mr. Hubbard:

Thank you Mr. Sanderson.

Mr. Hubbard:

Mr. Hubbard called meeting to order at 4:30.

I believe the committee is ready to report.

Mr. Kraus:

A committee consisting of myself, Mr. Albertson and Mr. Bowers met with the Stanolind and Repollo representatives, and we found no basis of agreement acceptable. No plan found at the time to be presented which would meet with the unanimous consent of all operators. The Committee therefore can report nothing but failure to bring about any compromise or modification. Can only recommend therefore, if thought advisable, that the voting and discussion of this general group be made known to the Commission. Other than that, no report.

Mr. Hubbard:

Would you make that in a form of a motion, nothing more be done by this group except report the procedure of the day to the Commission.

Mr. Kraus:

Move in view of the findings of the committee that the operators here assembled make no further attempt to present an unanimous agreement on Hobbs proration to the Oil Conservation Commission.

Mr. Bodie:

Amend that, we present as a majority agreement for the Commission the present agreement.

Mr. Kraus:

Would not be agreement, but plan approved by the majority.

Mr. Hubbard:

Mean by that, give them results of votes this morning?

Mr. Kraus:

Included that in my recommendation in the motion. The acceptance of the report by the committee would automatically cause that to be done.

Mr. Lamar:

Suggest further amendment that the chairman prepare a memorandum in writing to the Commission very briefly stating the facts mentioned here as a result of the vote.

Mr. Williams:

Make a suggestion we have copy of the minutes of the meeting today. I would suggest the minutes of the meeting today be presented to the Commission to show what has been done.

Mr. Hubbard:

Would you wish to incorporate that in this particular motion.

Would you like that an amendment or a separate motion.

Mr. Williams:

Either way. Would like to have the Commission have the advantage of our discussion and that the minutes of the meeting today be given to the Commission for whatever consideration they want to give them.

Mr. Hubbard:

Wonder if that is in such form if the motion be made with amendments. Somewhat indefinite now as to form.

Mr. Kraus:

Accept amendments.

Mr. Hardison:

The minutes of today's meeting would not be very connected because the discussion has been haphazard and if presented should be proof read.

Mr. Hubbard:

We have a motion before us.

Dr. Wells:

Mr. Chairman, don't know whether I am being helpful or not.

There is a hearing tomorrow before the Commission, and the Commission acts largely on the testimony presented at the regular hearing. That might be worthy of thought.

Mr. Kraus:

I would like to clear the record of all motions made and start

over again with one single motion. I move that the report of the Committee be accepted.

Mr. Bodie:

Second the motion.

Motion carried.

Mr. Lamar:

Before making motion, will say my idea to get before the Commission in as concrete form as possible the gist of what happened could be accomplished by a simple statement in writing by you stating the facts or supplemented with minutes of the meeting and in veiw of the difficulty of preparing the minutes, will offer my motion in this form. I move that the temporary acting chairman of this meeting be authorized to prepare a statement in writing showing the results of the votes on the two suggested plans this morning and stating that efforts were made to adjust the difficulties and these efforts were not successful and the temporary chairman present this motion to the Commission.

Mr. Bodie:

Second the motion.

Motion carried.

Mr. Hubbard:

I think that is about all.

Mr. Williams:

I appreciate Dr. Wells' statement, but I think it should be borne in mind that heretofore this has been a cooperative agreement and if we continue this cooperative agreement, it would be quite in order to present the Commission a copy of the minutes of our meeting today showing the effort which has been made as shown by the minutes to arrive at some cooperative agreement. Seems to me if the Commission given only the votes, it would not give them as broad an aspect of the thing as they would get if they get the minutes if shown the reasons taken by different companies by these votes. They could hardly analyze these votes without the discussion. Make a motion a copy of the

minutes, after being read and ehecked for errors, be presented as evidence at the hearing. You would have them prepared and offered into the records when prepared.

Dr. Wells:

The point I am trying to bring out, Miss Kahn mentioned it, I knew a complete draft could not be ready by tomorrow. The Commission is more or less bound by the testimony presented at the hearing and testimony where the witnesses are sworn in. Certainly the Commission will be glad to have a transcript of these minutes. Want to make a further explanation of something mentioned this morning, as far as an unanimous agreement is concerned and other possibilities along that line. The Commission could approve or adopt an agreement that was agreed upon or a plan by the Operators and take as its own, and could say the Commission could adopt as its own with or without changes where as a majority or minority in that case, their own plan. There is nothing which says they cannot adopt as their own, one presented by operators.

Mr. Williams:

What I had more or less in mind was your statement this morning that the Commission would not necessarily require an unanimous agreement.

Mr. Bodie:

Second motion.

Mr. McCorkle:

It always has been customary to furnish the Commission with copies of things.

Motion carried.

Mr. Hardison:

In Mr. Lamar's motion was it also included the presentation of the present plan?

Mr. nubbard:

No.

Mr. Hardison:

Should it be presented as evidence tomorrow, the old plan which we recommend the renewal of.

Mr. Hubbard:

That will probably be essential.

First tell the Commission what happened and second tell the Mr. Lamar: Commission which we as a majority would like them to do.

Mr. Hubbard:

I will take it upon myself, if you think it necessary, that a copy of the present plan will be furnished to the Commission. Meeting adjourned.

ROSE M. KAHN Reporter.

MINUTES OF THE HOBBS POOL GENERAL COMMITTEE MEETING HELD AT SANTA FE, NEW MEXICO ON DECEMBER 10th, 1936.

MEMBERS PRESENT:

T. J. Slavik Lloyd L. Gray G. S. Bays M. Albertson F. E. Reath J. P. Cusack E. A. Wahlstrom Glenn Bish H. L. Johnston P. M. Colliston James Murray, Sr. B. A. Bowers W. E. Hubbard C. L. Shoemaker L. W. Biddick A. A. Kemnitz E. H. Wells J. W. Jordan Jack H. Rankin C. B. Williams B. D. Bodie W. E. Cunningham Luther A. Meal Leo R. Manning Ernest A. Hanson Harvey Hardison Lucius M. Lamar R. S. Christie C. N. Millikan Edgar Kraus Herman R. Crile F. J. Vesely J. N. Dunlavey

Gulf Oil Corp. Gulf Oil Corp. Stanolind Oil & Gas Co. Shell Petroleum Corp. Sun Oil Company J. P. Cusack, Inc. Stanolind Oil & Gas Co. Ohio Oil Co. Continental Oil Co. Continental Oil Co. A. P. Correspondent Walker Oil Corp. Humble Oil & Refining Co. Shell Pet. Corp. Sumedan Samedan State Geologist Repollo Oil Co. Repollo Oil Co. The Texas Co. Empire Oil & Ref. Co. Oil Well Drilling Co. Landreth Production Corp. Geo. F. Getty Oil Co. U. S. Geological Survey The California Co. The California Co. Amerada Petroleum Corp. Amerada Petroleum Corp. Atlantic Refining Co. Oil Well Drilling Co. State of New Mexico Skelly Oil Co.

Mr. McCorkle asked Mr. Hubbard to preside, minutes of the last meeting read and accepted as read.

Mr. Hubbard:

You have had the expense report, that would take the place of any treasurer's report. That is the only report on finances ever had. Any reports of standing committees and special committees?

As you know, every year the Hobos Agreement must be signed again if to remain in effect. That time is now here. I would like to throw the whole subject open to discussion. Sincerely hope we can adjust any difficulties we have. I will entertain any motions or discussions you gentlemen may desire.

Mr. McCorkle:

I want to say I have here a copy of the two plans that were circulated last year. I can give each operator a copy if they would

like to see them.

(Mr. McCorkle distributes agreements.)

Mr. Hubbard:

Anybody here who wishes to make any statement concerning either of these plans or any other plan acceptable for the coming year?

Mr. Wahlstrom:

As far as Stanolind is concerned, not necessary to say anything. We are consistant not to see potentials used in any plan in the Hobbs pool.

Mr. Hubbard:

You have any specific plan in mind?

Mr. Wahlstrom:

Not particularly mo.

Mr. Hubbard:

Think it might be well for discussion on that point. Rather an important step. Have you any ideas on the subject, Mr. Gray?

Mr. Gray:

No, I haven to Not very much to discuss until something put on the board as evidence that the plan should be changed. We have been going along five and one-half years operating on the present plan. It is rather a major step to jump from that to any other. Must have something to shoot at before I could discuss it.

Mr. Hubbard:

It might be well to make a discussion revolve around some definite point, have someone make a motion concerning the recommended plan for 1937. Then we could have general discussion.

Mr. Wahlstrom:

I make a motion the Hobbs Operators adopt an acreage plan of proration presented.

Mr. Bowers:

Second the motion.

Mr. Hubbard:

The motion is now open for discussion.

Mr. Cusack:

Put to a vote first as to sentiment.

Mr. Hubbard:

Have discussion first. After voted on, no discussion submitted.

Mr. Albertson:

I would like to ask Mr. Wahlstrom whether he would outline the reasons which indicate to him the acreage plan is more reasonable, equitable, and desirable than the present plan.

Mr. Wahlstrom:

Would request the operators here to check back into the records of hearings held before the Commission in regard to the fields. There is no mention made of potentials in any of these hearings. No company requested consideration of potentials in any form in other fields in Lea County. At the resent time there are two standards of proration in the Lea County fields, Potential at Hobbs and acreage in the other pools. Operators should get a system and accept one or the other in all fields.

Mr. Bodie:

Isn't it true the other fields have more similarity between themselves they do in regard to the Hobbs Pool. Isn't it true all wells of the other fields prorated principally on well acreage basis alone, more or less have uniform potentials close together?

Mr. Wahlstrom:

I don't believe that is true.

Mr. Heath:

When we consider the question before us, we cannot afford to pass on without consideration of what was behind us in this particular field. The time we first had proration in the Hobbs field, no company or individual felt the acreage system of proration a proper system.

We set up the system here, operated under it and controlled the field, which is today one of the outstanding fields as far as conservation and progress is concerned. I believe it might be quite valuable for all of us to consider that certain equities have been established under

this method, royalty owners receive royalties under this method. A great deal of questions and troubles arise from any drastic change as a complete removal of the present plan and the adoption of a new plan. Should very carefully consider any step from the present plan or any large step away from it. I feel if at this meeting, if we find we cannot agree, it would be well for us not to try to settle it here, but go at it on a proper basis and see after analysis of the matter very carefully we cannot agree on some plan.

Mr. Hubbard:

Will ask Mr. Milligan if he cares to make a statement concerning this matter.

Mr. Milligan:

The only objection in continuing the present plan in question is it is inconsistent to the rest of Lea County, but so far as I know there is no State in the country that has followed any particularly consistent rule on establishing the equalization of various pools and distribution within the various pools on one common basis, even as closely as here.

I think the fact you have an established method here, I don't see a thing wrong with the method, I think had the other pools been brought in and had to be prorated at the time of the Hobbs Pool, I think that would have been some system similar to the Hobbs Pool.

As far as the potential factor is concerned, have and still feel the potential factor comes nearer to approaching an equitable basis of proration. I have not held to the potential method in other fields of the State of New Mexico, not because I did not feel it right, but rather because of the abuses of the wells to obtain better potentials, and therefore perhaps from an equity stand, inequitable potentials. To put that potential method similar to Hobbs into effect in new pools under development would probably result in a waste which ultimately would be a greater proportion than the waste involved under a potential method, which would probably bring to ultimate recovery a better relationship between units of the fields.

Hoobs was developed in most part at a time when we either did

not know how or did not take advantage, if we did know, of means of establishing such inequitable potentials, and there are some later wells which have probably lost. But all in all not a major portion of the field by any means, and while it brings in a certain amount of inequitable proration, it is less than changing the present proration method to the same basis established in the rest of the pools in Lea County.

I think a study of the history of the pressures primarily have shown that the units of low capability roduced, generally speaking, have had greater withdrawal than apportionate reserves as evidenced by the pressure.

adjustment for those potentials and those pressure adjustments resulted in larger adjustments of potentials both ways, which is on the same theory in Hobbs as we had in effect in Monument field at the present time, and since we have put in that bottom hole pressure adjustment, there has been less divergents between low potential units and high potential units, as class individual. Exceptions both ways, but less divergent than those existed to the time bottom hole pressure was put into adjustment.

It may be we want to change the method of adjustment, either up or down, perhaps some other things to bring better equity, and by looking over the condition of the field as a whole, it seems to me the field is in excellent condition from a conservation standpoint, at the present time, as a result of the progress of the present proration agreement, and while we have no specific evidence as to what would happen to the condition of the pool if we make a major change in the proration agreement and allocation method, I think from the history we have had from various conditions in other fields that would be comparable to Hobbs, the evidence is in favor that we would upset the equilibrium much more in making a major change in the agreement as suggested than we would by maintaining the present allocation system.

Mr. Hubbard:

Were you through?

Mr. Milligan:

Don't know anything else to say.

Mr. Bodies

The matter of acreage now would very likely undo what we have done during the past to establish equal bottom hole pressures.

Mr. Dewey:

I want Mr. Wahlstrom or Mr. Milligan to enlighten me whether either the operators or commission run any legal dangers on potentials due to the fact the only test case we have ever had on provation in New Mexico on the Hobbs Field, and am under the impression the case made upheld 75 potentials and 25 acreage, the case of the Stanolind in the Federal Court. Don't know what the legal implications are.

Mr. Lamar:

Don't remember that case. The only standard in the law reasonable says the tendency of any plan shall be to give each operator his proportionate total recoverable oil there. As to each of these two plans giving the operator that, I don't know.

Mr. Dewey:

That decision was before the present law was placed on the Statute book.

Mr. Wahlstrom:

That was a drainage case. The proration features not defined.

The Stanolind did not get on the stand.

Mr. Lamar:

Mexico Commission acted on this matter under the present statute, it was purely a voluntary agreement, and by all of us signing the agreement through a course of several years, we may have assumed some legal responsibility to maintain a somewhat similar proposition in regard to the royalty owners. In other words, if we change around, some royalty owners may pop up and say what about these past years. Before it was voluntary. Don't know the law, but it strikes me there is an element of danger in that.

Mr. Hubbard:

Tell me for point of information whether two plans that aren't wholly dissimilar could both be called reasonable by the Court?

Mr. Lamar:

Yes, no question about that. The Commission can adopt one reasonable plan in Monument and another in Hobbs and still another for Jal. Things are not so completely cut and dried that you cannot do that.

Mr. Hubbard:

Possibly would apply to plans in a single pool?

Mr. Lamar:

Yes, I think so.

Mr. Hubbard:

In the case of Hobbs or Monument?

Mr. Lamer:

Yes.

Mr. Hubbard:

Any other discussion on this important question?

Mr. Bowers:

One point I want to bring out. Don't if anybody thought about it. The plan that was first used in Hobbs was conceived under the old idea or practice of Law of Capture. Had not heard anything about anything else and doubtless under that would consider the equity fair plan of arrangement in New Mexico. We have graduated from that and worked around to a xx view point more of an effort to locate the oil in place and there is a difference considering those plans under those two conceptions as I see it.

Mr. Hubbard:

Does that agree with your ideas, Mr. Lamar?

Mr. Lamar:

Don't know if the statement was to agree or not. There is a difference on the plan of allocation placed to two different theories. A pretty hard matter to draw the line.

Mr. Hubbard:

Any of our arbitrary features hard to draw any line.

Designation of any ideas of two plans equally successful in business.

One man runs his business under one plan and runs it successfully and another man runs his business under another plan, and there is a difference of the conception of oil recovered, whether making an effort to get the oil in place or following the old practice of getting all you can.

Mr. Wahlstrom:

The old agreement based entirely on law of capture and since new law enacted recoverable oil in place have two entirely different standards of proration than in the past.

Mr. Milligan:

Don't think that follows. Don't think that evidence a change is necessary. Under the so called system of law of capture which so far has not been drilled under a uniform method protected the best we knew how. We know to establish too great potential is running hazard during completion and great expense. Eunning danger of bring wells too rapidly on to water or gas and other conditions familiar to all of us. Put those things into effect and we establish our allocation on basis of the capacity of the well to produce. Since then however with our conservation measures, they permit us to establish potential and when established determine the ultimate recovery from that unit by our practice even at Hobbs. What is the difference what we do to bring well on to water, drilling too deep or too much acid, we still get just as much oil, does not change potential.

Material good is had to produce that well just as long as we can get oil out at the potential established at completion. It is not the fault of the potential method when applied to particularly new fields. The potential method not wrong, but the abuses of it result in excessive waste under the whole potential method. It results in waste out of proportion of inequities established by allocation basis of potential.

Hobbs was developed at the time we did not have knowledge to take advantage of those things we are so prone to do to give us that unfair advantage relative to units at the present time, so I don't see that the Hobbs agreement which has been in effect and established and then the field developed under one condition, which condition of development is entirely different than that we had to go through in developing the other fields. If the same system of allocation used in the other fields as in Hobbs, certain amount in Hobbs due to recent development.

Mr. Hubbard:

Want to ask an Engineering question based strictly on waste. It is your opinion if the total outlet of the field were held down very low, it is possible that anyone of a great number of proration plans might satisfy the simple condition preventing waste?

Mr. Milligan:

Yes, with certain modifications, which are bound to come in.

Yr. Bowers:

I believe that is true. That is extremely true the rate of withdrawal is very slow if a very small percent of the field produce amost under any plan to eliminate waste. The total withdrawal of ordinary physical conditions of the field so slow and constant as not to trap oil at a later recoverable date.

Mr. Hubbard:

The reason I ask that is this. We have a great many pools in Texas where they apparently have considerable difficulty to prove underground waste in the field. In great many cases, inequities very close but at the same time they cannot prove waste.

Mr. Milligan:

Inequity in allocation but not waste. I think probably if we would go to the acreage plan, I don't know if it would create waste, but it would establish greater inequities to units than that which exists at the present time.

Mr. Hubbard:

Any other discussion? Call for a question or discussion. Expect we have all forgotten the motion.

Mr. Williams:

One point. I agree in general with Mr. Milligan's discussion of the question that a radical change would cause some radical readjustments in the reservoir conditions and this matter of ratable takings or rate of recoverable oil in place is based on the pool being a common reservoir and our development of the Hobbs plan has heretofore been directed along that line to recover the proper amount of oil from the reservoir or the oil in place. That was the reason of course for adopting the bottom hole pressure correction to the potential factor, and as I understand it, the units in the field which would gain by changing now to the acreage plan have been penalized, as you might call it, due to that bottom hole pressure correction, and I am not sure what the bottom hole pressure map shows. I have not seen recent map, but I assume the continued drop in the bottom hole pressure wells on those units have reduced the allowables and if you increase the rate of taking from those units from that existing present plan, there would still be further and greater drop in the bottom hole pressures in those wells which would, in my opinion, tend to cause drainage to those units from higher pressure units, contrary to shooting it in our development heretofore, so that I think it would be dangerous to make a radical change unless we were very sure such a change would be directed toward equalizing or holding up bottom hole pressures in low pressure areas, rather than increasing the drop.

Another thing I think should not be lost sight of which is this. That Hobbs, as we all agree, has been operated in a very efficient manner and I think this has been due to the cooperative action of operators in that pool. It seems to me the operators in the Hobbs pool made a wholehearted effort to conserve reservoir energy for the benefit of the pool as a whole than generally applies to oil fields all over. So I believe it is highly important if possible to do so, if we reach some unanimous agreement in order to continue the good work. I would very

much dislike to see us have to go ahead under some plan where there would not be a unit agreement. I think another thing comes in along that line. The water encroachment has generally come in on the South west portion of the pool, but nevertheless due to conservation efforts, wells which first started making water are still producing oil, and as yet we have not had any portion of that field flooded out and the wells lost.

We had one well which was among the first making water in a large percentage and that well by efforts of ourselves and others restrained the water and is now producing its allowable with a very small percentage of water, which possibly may be due to a slight leek in the packer. Tested that packer several times but are not able to get complete shut off. That percentage has not increased and indicates it may be a slight leak. So I believe that any radical change in the method of proration in the landling of the pool might easily result in great danger of encroachment of the water than what we have now.

Mr. Hubbard:

Wonder if it is the opinion of this group that it would be in order to have a test vote. Have had the question very well discussed I think certainly from both sides. We quite often, as you know, have test votes. Sometimes they show an impasse reached and another motion is in order. We have a motion before the house.

Mr. Lamar:

Want to ask Mr. Williams a question. Do you think the map units which have been situated under the present plan have perhaps gained a more healthy reservoir condition that lost?

Mr. Williams:

That is my opinion. Of course we only know what has been accomplished under our present method of operating the field. In our own case, I believe there is no question that the cooperative efforts of operators to control the gas-oil ratio and control water benefited our lease. I think it must have benefited others who have had water encroachment.

Mr. Bowers:

I believe probably the greatest benefit had out of that plan is the benefits primarily account under the plan through this slow rate of withdrawal.

Mr. Hardison:

Has anyone said the present plan is inequitable as between units?

Hr. Hubbard:

I don't believe so.

Mr. Rankin:

We think the present plan is inequitable in resulting in withdrawals between units.

Mr. Wahlstrom:

The Stanolind believes they have not gotten their share of oil in place today.

Mr. Rankin:

Can show you proof here.

Mr. Bowers:

Want to say we have received very good and considerate treatment by the operators and have met our requirements. Have not anything
to kick about, but do want to go on record saying that for the last two
years, have been fully convinced that an acreage method of withdrawal
is more equitable than the one in effect.

Mr. Hubbard:

Almost comes down to the question how the different members present are going to vote on this motion.

Mr. Kraus:

Not necessarily so. Take the Atlantic. Our general conviction to restrict the production of fields, the acreage plan is more equitable, cheaper to operate and supervise and will give substantial equity, but in view of the fact that the Hobbs Agreement has been in force as long as it has and it seems to be the agreement under the old plan, we would probably vote to continue the present plan.

Mr. Lamar:

Want to point out in my opinion, acreage is a very large factor in the present plan, not only 25% straight factor and is ultimately one of the two elements in the potential factor. It is stated in the formula that the adoption of a unit is a certain size. Take an average potential. In case more than one well does actually produce, the acreage is not considered, 75% factor, gives you a very large total place of acreage in the present plan.

Mr. Bowers:

Supposing a man had in East Texas a well drilled on a three acre tract, another man on a ten acre tract, and another 20 acre tract. The potential under a plan 25-75 would allow him to produce twice as much as the man on the 20 acre tract. Would you feel that an equitable justification that ratio of production.

Mn wagert

Sure hate to get into East Texas. I made the assumption that ultimately applies in this situation to equal size of tracts.

Mr. Bowers:

There is a certain point where that is equitable. Potential can throw your ratio of acreage completely out of kilter.

Mr. Gray:

In the Hobbs pool, we have established two pay zones in certain areas and in some three or four and in some five actual zones, all entirely separate from each other. In general relations and pool recommendate from one or occasionally two of those pays. Certain wells have pressure of approximately one thousand pounds. Other wells, incidently the one with one thousand pounds is producing from one pay zone. Other wells producing from more than one pay zone the bottom hole pressure is thirteen hundred and some pounds open to three of the zones. The actual flowing pressure of the well with more than one zone open exceeds shut in pressure of the single zone. Under an acreage plan, both of those wells allowed the same amount of production. I cannot see how it is possible to keep drainage from one to another in that

condition where all allowed to produce the same amount.

Mr. Huppard:

I would like to revert back to that statement of Mr. Lamar's. It is highly important and gives me an idea. It is conceivable that where spacing restrictions such as only one well produce in forty acres, and it does because we have unit proration, it is conceivable that your 75 potential plus 25 acreage in Hobbs can be looked upon A x P - A which conceivably might have more acreage in the formula than the API formula. We have a situation in West Texas the allowable we prorate on a potential basis and have a marginal low acreage 50-50, that part gives potential approximately half the total allowable. Think that a very important point. I am not sure what I said about A x P - A is true, but it is a possibility.

Mr. Lamar:

Believe it is true.

Mr. Hubbard:

I would say so. Any more discussion? It might be well to have a vote on this motion if the group is ready for it. Don't want to cut down this discussion at all however.

Question.

Mr. Hubbard:

You have heard motion, better vote down the list.

Amerada ::	No.
Atlantic	No.
Continental	No.
Empire	No.
Getty	No.
Guif	No.
Humole	No.
Landreath	No.
Magnolia	Not present
Mid-Continent	Not present
Ohio	Ño.

No. 011 Well Yes. Repollo No. Samedan Not voting Shell No Skelly Yes Stanolind No Sun No California No Texas No. Texas & Pacific Not Present. Tide Water No. Twin-States-Sun

Mr. Hubbard:

We have three yes, one not voting, one absent.

Yes.

Mr. Albertson:

Walker

Want to make an explanation. We are evenly balanced on interests concerned and we would vote anyway necessary to make an unanimous plan.

Mr. Bodie:

Take that to mean to vote with the majority?

Mr. Albertson:

No, reserving our vote for the moment.

Mr. Hubbard:

That motion has been killed, any other motions?

Mr. Williams:

How many voted no?

Mr. Hubbard:

Have not figured the percent. That will be done. Seventeen voted no. The meeting is ready for another motion and discussion. Any statement anyone wishes to make about the course of this motion?

Mr. Milligan:

May I suggest the Stanolind have made their position clear,

but the Repollo stated their position quickly. Do you care to elaborate on it?

Mr. fiankin:

The Repollo favors any plan which does away entirely with potential, and takes the acreage factor as much as it can approaching one hundred percent.

Mr. Hardison:

For what reason?

Mr. Rankin:

The inequities existing between fields. We have several wells that have daily allowable far in excess of given potential.

Mr. Gray:

founded engineering practice.

Mr. Milligan:

I don't quite get that.

Mr. Gray:

There are certain wells in the field that have a daily allowable and can produce far in excess of the assigned potential due to the present plan in force. Wells have actually otential of several thousands of barrels per day.

Mr. Bowers:

On actual test can produce several barrels, and assigned much less.

Mr. Gray:

Favor the use of bottom hole pressure for potentials.

Mr. Rankin:

We favor any plan that approaches 100% straight acreage total against potentials of any kind.

Mr. Bayes:

There were seventeen operators voted for the continuation of the present plan, fourteen perators for material advantage and the other three have no material advantage.

Mr. Rubbard:

That may be quite true. It seems to me as long as this meeting was called, I believe to discuss whether or not the present plan be continued for another year, it might be well to have a motion on that particular point. It might be the voting would not quite agree with the voting on the first motion. Womler if it would not be well to have that in a form of a motion.

Mr. Bowers:

I make a motion that the old plan be continued for 1937.

Mr. Hubbard:

Have a motion that the present Hobbs plan be continued for 1937 for a test vote.

Mr. Biddick:

Second the motion.

Mr. Hubbard:

A motion made and seconded that the present plan be continued. Any discussion?

Mr. Hardison:

I believe it possible in a new plan adopted to take care of any inequities which may be caused by present method of correcting potentials by bottom hole pressure. I believe that is the only thing holding up the plan.

Mr. Hubbard:

Do you not feel it would be helpful to have this vote?

Mr. Hardison:

I da. Question

Mr. Hubbard:

Amerada	Yes
Atlantic	Yes
Continental	Yes
Empire	Yes
Getty	Yes
Gulf	Yes

Humble	Yes
Landreath	Ye s
Magnolia	Do not care to vote
Mid-Continent	Not present
0hio	Yes
Oil Well	Yes
Repollo	No
Samedan	Yes
Shell	Yes
Skelly	Yes
Stanolind	No
Sun	Yes
California	Yes
Texas	Yes
Texas-Pacific	Yes
Tide Water	Yes. This morning would have voted for Acreage
Walker	No.

Mr. Hubbard:

This vote came out exactly the reverse order of the previous vote. We know at least how the group stands on this question. We have made some progress certainly. I think Mr. Hardison made a suggestion that possibly certain inequities of the present plan could and should be worked out by a different use of bottom hole pressure.

Mr. Hardison:

I believe the present correction adopted two or three years ago at that time we felt that sooner or later there would be some inequities show up and we figured it would probably be necessary to make some changes in those corrections.

Mr. Bowers:

Did not you make a change last year in the factor applicable to bottom hole pressures?

Mr. Rankin:

Changed from 1000 lbs. to 2/3

Mr. Milligan:

Reduced adhustment a little.

Mr. Hardison:

No doubt by changing that some equitable correction could be made in wiping potentials out entirely.

Mr. Rankin:

Regardless of how we reduce this reduction, we still have these old potentials established during the years have not declined, and seems that they should be

Dr. Wells made a statement off the record.

Mr. Hubbard:

here as there are a few voted no on the second motion. There are three nos to second motion and three yes on first motion. Would like to ask in turn those who voted no on the second motion if they feel from what they have heard this morning whether or not there is a possibility of reconciling what differences we have had this morning. The Stanolind?

Mr. McCorkle:

Mr. Wahlstrom is doing all the taling for the Stanolind so far. We have in the past as the records show, never been in favor of the present plan, although we voted for it in the spirit of harmony. I would like to hear from Mr. Wahlstrom if he has any further remarks. Mr. Wahlstrom:

I don't believe I have anything further to say. Definitely no. Wr. McCorkle:

He has stated already we were not in favor of the continuance of potentials in any form.

Mr. Hubbard:

Will ask Sinclair?

Mr. Rankin:

Not present.

Mr. Hubbard:

Mr. Bowers?

Mr. Bowers:

Whenever an agreement can be reached, we will not block

it. Solong as there is a plan for straight across, expect to

support it.

Mr. Hubbard:

There appears to be considerable portion of acreage in the Hobbs plan. Some opposed to the continuation of the use of potentials. Frankly, don't know what to do about it. You heard what Dr. Wells said on the question. That he will consider certainly a majority vote, but he cannot indicate what weight will be given to it. Wonder if anybody has a suggestion what to do in this emergency. It seems to me to be somewhat serious.

Mr. Milligan:

Stanolind and Repollo are the principal opposers and wonder if either one or both are willing to discuss the thing further or whether they want to sit on their present position and throw the thing before the Commission.

Mr. Hubbard:

Tried to bring that point out and it struck me they did not want potentials in the formula.

Mr. Milligan:

That may be. I may want 100% or are we willing to discuss it or sit tight on the two positions and take before the Commission. Stanolind and Repollo taking the position they do not want to discuss any further. That is one thing.

Mr. Rankin:

We are not iron bound in saying we won't consider any other plan. However I think the reason for all discrepancies and various variation are due to the establishment of these potentials. I think any in plan that acreage should be given a great deal of consideration and potential no consideration.

Mr. Hubbard:

Can I interpret your remarks to mean you do not wish to continue the discussion as to whether or not potentials remain or that

you are willing to discuss some other factor put in to take its place?

Mr. Rankin:

True.

Mr. McCorkle:

We agree with Mr. mankin. We dislike being arbitrary or to take an arbitrary position but I feel Mr. Rankin has stated the position well.

Mr. Milligan:

Neither of you willing to discuss any agreement with anything about potentials in it?

Mr. Hubbard:

Yes. That answers your question Mr. Milligan.

Mr. Cusacki

If you eliminate potential, what other factor enters into it except acreage?

Mr. Hubbard:

Marginal factor, bottom hole pressure factor.

Mr. Cusack:

What would you apply bottom hole pressure factor in?

Mr. Hubbard:

Probably by such engineering committee.

May I understand it is the wish of this group or not for the record to go to the Commission as made or does anybody feel we should have further discussion?

gr. Lamar:

Is the plan which has so far been proposed identical to the one of last year?

Mr. McCorkle:

That is a copy of the present plan.

Mr. Lamari

In the mair, is the plan exactly the same or any changes. Wonder if it is necessary to prepare something for the Commission or do you want last year's plan?

As I understand it, the exact copy of the present plan. Mr. Hubbard:

Hr. Milligan:

Probably some minor changes if we were to continue the plan.

Mr. Hubbard:

Seems to me we have two courses open. Go on and discuss this matter or tunn over this vote and record to the Commission for their decision. Anybody any motion to make in that regard in line with statements of the Sinclair and Stanolind?

Mr. Kraus:

In view of the success in prorating Hobbs field in the past with a voluntary agreement approved by the Commission and in view of possible changes in the Administration this coming year, I move that the operators attempt first to reach an agreement that will be unanimous and present such unanimous agreement to the Commission rather than go before the Commission as a divided body.

Mr. Bowers:

Second.

Mr. Hubbard:

You have heard the motion made and seconded, any discussion?

Mr. Lamar:

What is your idea, form a group committee to try to reach some agreement or thrashing out the trouble here as we did before going before the Commission.

Mr. Hardison:

We have a definite statement that two operators would not consider anything other than straight acreage with bottom hole pressure correction.

Mr. McCorkle:

We would not consider any potential.

Mr. Hubbard:

Taken strictly on bottom hole pressure marginal allowance.

Mr. hardison:

Marginal allowance practically the same as acreage. Seems to me that is the use of having units.

Mr. Hubbard:

That is true.

Mr. Rankin:

I think taking the factor of bottom hole pressure, if we made corrections in a small degree with bottom hole pressures, you will get the factor of ultimate recovery on time.

Mr. Hubbard:

Gentlemen, we have this motion. I don't think we have discussed everything in connection with this question. Would like to ask Repollo and Stanolind if they would object to discussing it some more. Stanolind and Repollo do not object.

Motion carried.

Mr. Hubbard:

Leaves wide open for further discussion. There are other factors that can be used.

Mr. Hardison:

Could we recess?

Mr. Lamar:

Hove we recess until 2:00 o'clock.

Mr. Rankin:

Second.

Motion carried.

Meeting called to order at 2:15 P.M.

Mr. Hubbard:

I would like to say this, I believe the oil industry or any portion of the oil industry should be able to manage itself in its business if possible. Of course with that in view, we are having further session this afternoon. You recall some progress was made this morning. We found out where we stood and what the differences are. This afternoon, I do nope some real rogress may be made in working out a satisfactory solution to this. May be in the form of some kind of a compromise. Don't know how it would be done. The chair is open to any suggestions anyone might offer.

Mr. Albertson:

I make a motion the chairman appoint a committee of three. This committee to canvass the situation and see whether anything can be worked out acceptable to the entire group. This committee to be chosen of the companies who neither gain nor lose with either the acreage or potential plan.

Er. Kraus:

I think sometimes that not accurate. Wells have interest that do not appear. For example, the Atlantic has an interest in the Ohio wells.

Mr. Sanderson:

Some of us here now that were not here this morning. Would you briefly outline the results of this morning?

Mr. Hubbard:

First had motion to the effect that the Hobbs plan for 1937 should ignore potential and be based upon acreage with not the intention necessary to have acreage alone. No potential used in provation formula. After a great deal of discussion a vote was taken and there were three in favor of the motion, one not voting, seventeen opposed. When that motion was out of the way, a second motion was made to the effect that the present Hobbs Agreement or plan 2-A should be adopted for 1937 and the vote for that was the exact reverse of the first motion. Seventeen in favor, three opposed, one not voting. Also in each case, three not present. That is about the osition at which we closed at noon. Would like to say Dr. Wells made a statement to the effect, off the record, that the Commission might or might not insist upon a hundred percent majority for any plan the operators offered. In other words, The Commission is not necessarily bound by law to accept any plan because it was 100 percent from the operators. We closed at noon at substantially that position. Finally a motion was passed to the effect we would continue this afternoon with more discussion with the attempt to find some way out of the dilamma. The Sinclair and Stanolind expressed themselves very clear to the effect that they would not enter into a discussion if the use of potentials in the formula was to be considered.

That is the situation we are in now.
You heard Mr. Albertson's motion, is there a second to it?

IR. Lamar:

Second.

Hr. Hubbard:

I take that to mean that a committee of three be appointed and they will approach the Stanolind and the Sinclair in a small group and discuss the whole matter.

Xz. Albertson:

Their obligation to canvass the situation to see whether a means can be found to get a hundred percent agreement.

Mr. Hubbard:

I am sure we could get an unblased committee and it might expedite matters. Have the committee report back here say four o'clock. Womder if it is all right with Stanolini or Repollo to enter into a discussion?

Mr. McCorkle:

O.I. With Stanoling.

Er. Hubbard:

Mr. McCorkle, I wonder this, if at that meeting you would be disposed to have Mr. Wahlstrom simply show what your position is in regard to your apparent losses under the present system. Not with the idea of furnishing ammunition to some other camp.

Mr. McCorkle:

I feel such information that we have all the other operators should have. They have been getting our records from the Hobbs Umpire office.

Mr. Rubbard:

I don't think the situation is entirely hopeless. If this committee were to ask specific juestions, you could answer them or not as you cause and I don't see for it could not be information for that particular committee alone.

Mr. McCorkle:

I feel our position on this matter has been consistent for a number of years.

Mr. Hubbard:

True .-

Mr. McCorkle:

We certainly don't like to take an arbitrary position, neither do we want to embarrass the Commission, but we have made our thoughts along this line known a number of years.

Mr. Williams:

Question.

Mr. Hubbard:

You have heard the motion made and seconded, all in favor say

Mr. Sanderson:

If you vote for this motion, it does not indicate you are binding yourself to agree to the findings of the committee?

Mr. Albertson:

The Committee will report back to the general group.

Mr. Hubbard:

Seems there might be some little thing ironed out very quickly while it would take all afternoon in a group like this. All in favor say yes.

Motion carried.

Mr. Hubbard:

I expect that should close the matter for the time being. We all perhaps need to put more study on the question. Might have to have a little help in getting this committee. On this committee I would like to appoint----

Mr. Heath:

Make a motion the chair adjourn this meeting and the committee will be notified.

Mr. Hubbard:

Meeting adjourned until 4:30 P. M.

Mr. Sanderson:

We are very seriously involved in this matter and don't know if our position is understood.

We have attempted to find what was the correct answer to this matter and it goes without saying that we are for potential and for the present basis. As I say, we have attempted to find the correct answer for this problem. In investigating, we find with this proration on one hundred percent acreage basis, which I understand is one of the plans presented this morning, provides that sixty-five percent of the well whose allowable would be increased by this new plan, would be wells which are now producing from one zone in the field. We know we have two definite zones and perhaps three producing zones in the major part of the field.

It seems to us unfair and inequitable to arbitrarily assign the same allowable to wells producing in one zone in this field as wells producing in two or three. We find in terms of barrels increase that under the acreage plan, 88½% increase would occur to wells which are producing from the single zone.

We find that considering the bottom hole pressure that 78% of the wells in the areas which have bottom hole pressure of less than the average bottom hole pressure would be increased under the acreage plan and only 22% lose. We feel to increase these wells that now have less than average bottom hole pressure for the field would result in additional gas coming out of solution and in the end would result in waste, which would be contrary to the law and conservation.

We also feel to increase the allowable from wells that now have bottom hole pressure less than the average, would also cause drainage across boundary lines which we think also would be unfair. We think also it would increase the fingering of water which would not be to the best interests of the field.

For these reasons we feel very strongly the rotential factor we now have should be continued. I make this statement so you know our position in the matter.

Mr. Hubbatd:

Thank you Mr. Sanderson.

Mr. Hubbard:

Mr. Hubbard called meeting to order at 4:30.

I believe the committee is ready to report.

Mr. Kraus:

A committee consisting of myself, Mr. Albertson and Mr./
Bowers met with the Stanolind and Repollo representatives, and we
found no basis of agreement acceptable. No plan found at the time to
be presented which would meet with the unanimous consent of all operators.
The Committee therefore can report nothing but failure to bring about
any compremise or modification. Can only recommend therefore, if thought
advisable, that the voting and discussion of this general group be made
known to the Commission. Other than that, no report.

Mr. Hubbard:

Would you make that in a form of a motion, nothing more be done by this group except report the procedure of the day to the Commission.

Mr. Kraus:

Move in view of the findings of the committee that the operators here assembled make no further attempt to present an unanimous agreement on Hobbs provation to the Oil Conservation Commission.

Mr. Bodie:

Amend that, we present as a majority agreement for the Commission the present agreement.

Mr. Kraus:

Would not be agreement, but plan approved by the majority.

Mr. Hubbard:

Mean by that, give them results of votes this morning?

Mr. Kraus:

Included that in my recommendation in the motion. The acceptance of the report by the committee would automatically cause that to be done.

Mr. Lamar:

Suggest further amendment that the chairman prepare a memorandum in writing to the Commission very briefly stating the facts mentioned here as a result of the vote.

Mr. Williams:

Make a suggestion we have copy of the minutes of the meeting today. I would suggest the minutes of the meeting today be presented to the Commission to show what has been done.

Mr. Hubbard:

Would you wish to incorporate that in this particular motion.

Would you like that an amendment or a separate motion.

Mr. Williams:

Either way. Would like to have the Commission have the advantage of our discussion and that the minutes of the meeting today be given to the Commission for whatever consideration they want to give them.

Mr. Hubbard:

Wonder if that is in such form if the motion be made with amendments. Somewhat indefinite now as to form.

Mr. Kraus:

Accept amendments.

Mr. Hardison:

The minutes of today's meeting would not be very connected because the discussion has been haphazard and if presented should be proof read.

Mr. Hubbard:

We have a motion before us.

Dr. Wells:

Mr. Chairman, don't know whether I am being helpful or not.

There is a hearing tomorrow before the Commission, and the Commission acts largely on the testimony presented at the regular hearing.

Mr. Kraus:

I would like to clear the record of all motions made and start

over again with one single motion. I move that the report of the Committee be accepted.

Mr. Bodie:

Second the motion.

Motion carried.

Mr. Lamar:

Before making motion, will say my idea to get before the Commission in as concert form as possible the gist of what happened could be accomplished by a simple statement in writing by you stating the facts or supplemented with minutes of the meeting and in veiw of the difficulty of preparing the minutes, will offer my motion in this form. I move that the temporary acting chairman of this meeting be authorized to prepare a statement in writing showing the results of the votes on the two suggested plans this morning and stating that efforts were made to adjust the difficulties and these efforts were not successful and the temporary chairman present this motion to the Commission.

Mr. Bodie:

Second the motion.

Motion carried.

Mr. Hubbard:

I think that is about all.

Mr. Williams:

I appreciate Dr. Wells' statement, but I think it should be borne in mind that heretofore this has been a cooperative agreement and if we continue this cooperative agreement, it would be quite in order to present the Commission a copy of the minutes of our meeting today showing the effort which has been made as shown by the minutes to arrive at some cooperative agreement. Seems to me if the Commission given only the votes, it would not give them as broad an aspect of the thing as they would get if they get the minutes if shown the reasons taken by different companies by these votes. They could hardly analyze these votes without the discussion. Make a motion a copy of the

minutes, after being read and ehecked for errors, be presented as evidence at the hearing. You would have them prepared and offered into the records when prepared.

Dr. Wells:

The point I am trying to bring out, Miss Kahn mentioned it, I knew a complete draft could not be ready by tomorrow. The Commission is more or less bound by the testimony presented at the hearing and testimony where the witnesses are sworn in. Certainly the Commission will be glad to have a transcript of these minutes. Want to make a further explanation of something mentioned this morning, as far as an unanimous agreement is concerned and other possibilities along that line. The Commission could approve or adopt an agreement that was agreed upon or a plan by the Operators and take as its own, and could say the Commission could adopt as its own with or without changes where as a majority or minority in that case, their own plan. There is nothing which says they cannot adopt as their own, one presented by operators.

Mr. Williams:

What I had more or less in mind was your statement this morning that the Commission would not necessarily require an unanimous agreement.

Mr. Bodie:

Second motion.

Mr. McCorkle:

It always has been customary to furnish the Commission with copies of things.

Motion carried.

Mr. Hardison:

In Mr. Lamar's motion was it also included the presentation of the present plan?

Mr. Hubbard:

No.

Mr. Hardison:

Should it be presented as evidence tomorrow, the old plan which we recommend the renewal of.

Mr. Hubbard:

That will probably be essential.

u. Lamar:

First tell the Commission what happened and second tell the Commission which we as a majority would like them to do.

Mr. Hubbard:

I will take it upon myself, if you think it necessary, that a copy of the present plan will be furnished to the Commission. Meeting adjourned.

> ROSE M. KAHN Reporter.

BEFORE 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 MEN MEXICO FOR THE)	Case No. 6
PURPOSE OF CONSIDERING: "PROPATION		-	
AGREEMENT OF OPERATORS FOR THE HOBBS	:)	Order No. 48
FIELD, LEA COUNTY, NEW MEXICO, OR			and the second s
OTHER TAX OF ORODATION FOR THE PITTE H)	

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10:00 c'clock A.M. on the llth day of December, 1936, in the Supreme Court Room in the State Capitol, Santa Fe, New Mexico, upon the call of the Commission in the above designated matter.

Now, on this 29th day of December, 1936, the Commission, having before it for consideration the evidence adduced at the hearing in said case, and being fully advised in the premises, therefore orders:

PRORATION PLAN FOR HOBBS FIELD, LEA COUNTY

Sec. 1. The total allowable production of oil in the Hobbs Field shall be allocated within the field by productive units. Units shall not be allocated more oil than they can produce without unreasonable waste.

- Sec. 2. Productive units shall be classified as marginal and non-marginal units, a marginal unit being one that cannot produce the acreage unit allowable, and a non-marginal unit one with an average daily potential production equal to or larger than the acreage unit allowable. Marginal units shall be allocated approximately the amount of oil they can produce.
- Sec. 3. The total allocation to marginal units shall be deducted from the total daily field allowable and the resulting number of barrels shall be designated as the total daily non-marginal field allowable.
- Sec. 4. As far as possible, the field shall be divided into forty (40) acre tracts in the form of a square, constituting regular subdivisions of sections according to the Government surveys. Each such tract shall be considered a unit for the purposes of proration hereunder. If it should develop that there are tracts of land owned by individual operators or lease holders constituting less than a unit as above defined or in such form as not to constitute a unit as above defined, then the Commission shall create and outline fractional units or units of a form other than square.
- Sec. 5. The following 40-acre units not in the form of a square shall be considered as regular units for proration purposes:

Walker Terry G, N2SW1SE1 and N2SE1SE1 Sec. 10, T.19S., R. 38E. Walker Terry G-a, S2SW1SE1 and S2SE1SE1 Sec.10, T.19S., R. 38E. Repollo Crump B, N2NW1NE1 and N2NE1NE1 Sec.15, T.19S., R. 38E. Repollo Crump B-a, S2NW1NE1 and S2NE1NE1 Sec.15, T.19S., R. 38E. Stanolind State C, N2NE1NW1 and N2NW1NW1 Sec.15, T.19S., R. 38E. Stanolind State C-a, S2NW1NW1 and S2NE1NW1 Sec.15, T.19S., R. 38E.

Sec. 6. The daily potential production of a well is the quantity of oil said well is capable of producing, as hereinafter determined.

Sec. 7. The average daily potential production of any unit or fractional unit shall mean the average daily potential production of all wells thereon obtained by dividing the aggregate daily potential production of all wells on such unit or fractional unit by the number of wells thereon. The average daily potential production of the field shall be the sum of the average daily potential production of all units and fractional units in the field.

Sec. 8. The Commission shall determine the average daily potential production of the field and of each producing unit and fractional unit therein on the basis of gauges or other tests as hereinafter provided.

Sec. 9. The total daily non-marginal field allowable shall be allocated among the various units on the following basis: Sixty (60) per cent of the non-marginal allowable shall be allocated to units without reference to their producing ability; all 40-acre units participating equally and each fractional unit receiving an allocation, as compared to the allocation of a 40-acre unit, in the ratio that its area in acres bears to 40 acres. This allocation to each unit shall be designated as the acreage unit allowable.

Sec. 10. Forty (40) per cent of the total daily non-marginal field allowable shall be allocated to each producing unit in the ratio that the average daily potential production of each unit bears to the average daily potential production of the field. Each producing fractional unit shall be entitled to the part it would get as a full unit on the above basis multiplied by the fraction obtained by using the number of acres therein as a numerator and the figure forty (40) as a denominator. This allowable shall be designated as the potential unit allowable.

Sec. 11. The potentials in effect December 16, 1936, shall be the potentials used at the beginning of the present plan.

Sec. 12. In lieu of the open flow or tubing potential tests, potentials shall be adjusted in such manner as to approach a uniform bottom hole pressure for all wells in the pool.

Sec. 13. Adjusted potentials on all wells, excepting packer wells as hereinafter defined and provided for, heretofore completed shall be determined at six month intervals as follows: Beginning March 1, 1937, and at six month intervals thereafter, the potential of each well shall be readjusted, using the average bottom hole pressure of all wells at the beginning of the previous six-month period as a denominator and the new bottom hole pressure of each well as a numerator, both readings being reduced by two-thirds (2/3) the average field pressure, and the quotient multiplied by the potential of said well at the beginning of said six months period shall be the adjusted potential of said well to be effective for the succeeding six-months period; provided that the average bottom hole pressure of the field shall be assigned to each packer well and its new potential arrived at as provided for herein for non-packer wells.

Sec. 14. The Commission each six months shall determine the bottom hole pressure of each well in the field, provided that for each well in which the bottom hole pressure cannot be determined for mechanical reasons, such well shall have assigned to it the bottom hole pressure of the nearest well in which a bottom hole pressure is taken, or if equidistant from two or more wells in which bottom hole pressures are taken such well shall have assigned to it the average

of the bottom hole pressures of said equidistant wells. Packer wells may be bombed, in which event the pressure obtained shall be used in determining the field average pressure, but said wells shall be assigned the average pressure of all wells at the beginning of said six-month period.

Sec. 15. The potential of no well shall be adjusted below the acreage unit allowable, and said allowable shall be considered to be the potential of the well should it be necessary to make an upward revision thereof due to an increased bottom hole pressure of the well.

Sec. 16. A packer well, as referred to herein, is any well in which a formation packer has been set for the purpose of conserving reservoir energy.

Sec. 17. New wells shall be tested in the following manner: The well shall be produced through the tubing for a period of two (2) hours. The first hour's production shall be disregarded, but the last hour's production shall be gauged. The one-hour tubing test multiplied by 24 shall constitute the tubing patential. The casing shall then be opened and the well produced through casing and tubing for a period of one hour. The quantity of oil so produced multiplied by 24 shall be the open flow potential, which shall be used in determining the potential unit allowable. It shall be the privilege of any operator to use the tubing potential herein provided for in connection with the current tubing-casing potential curve as approved by the Commission, to ascertain the open flow potential of any well without taking the combined casing and tubing flow as provided for above. Pumping wells shall be tested for a period of six hours and the number of barrels of oil produced multiplied by four shall be the potential.

Sec. 18. Permission to treat wells with acid shall be obtained from the Commission. The potential of a well deepened and/or treated with acid shall be the potential of the well before acid treatment and/or deepening; provided, with respect to any well now completed and which has not heretofore been treated with acid, the operator shall have the right prior to April 1, 1937, to treat the same with acid, and the potential of the well shall be its potential after treating with acid.

Sec. 19. The Commission shall notify the operator of the day and hour that a well is to be shut in for bottom hole pressure test. The bottom hole pressure shall be measured not less than 24 hours nor more than 36 hours following said specified time. Notice to the operator shall be given not less than 24 hours before the time for the well to be shut in. The well shall produce its regular allocation during the 24 hour period ending at the time the well is shut in.

Sec. 20. The pressure shall be measured as near as possible to a point in the well 400 feet below sea level.

Sec. 21. This order shall become effective January 1, 1937.

Sec. 22. Allocations to the Hobbs Field as a whole shall be determined according to the plan of Order No. 1 of the Commission, "General State Proration Order", adopted June 29, 1935 and Order No. 45, "Revision of Order No. 1 of the Commission 'General State Proration Order'", adopted November 12, 1936. Allocations for the field and the wells therein shall be included in "General State Proration Orders" of the Commission. This order supersedes any provisions of Order No. 1 with which it is in conflict.

OIL CONSERVATION COMMISSION Clyde Tingley, Governor Frank Vesely, Commissioner of Public Lands E. H. Wells, State Geologist. MINUTES OF THE MEETING OF THE OIL CONSERVATION COMMISSION HELD IN THE OFFICE OF THE OIL CONSERVATION COMMISSION ON DECEMBER 29th, 1936.

The Commission met in the office of the Oil Conservation Commission at 3:00 O'clock p.m.
Thuesday, December 29th, 1936.

Present: Commissioner of Public Lands, Frank Vesely, Acting Chairman and Secretary State Geologist, E.H. Wells.

The Commission having been informed that the market demand for the Monument Field, beginning January 1st, 1937, is 22,000 barrels of oil per day, the Commission adopted Order No. 51 allocating to the State of New Mexico 92,800 barrels of oil per day for the period Lanuary 1-15-1937, including 22,000 barrels of oil per day to the Monument Field and Orders Nos. 49 and 50 are hereby cancelled.

The Commission also adopted the following Order No. 48.

BEFORE 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)	Case No. 6
PURPOSE OF CONSIDERING: "PRORATION		
AGREEMENT OF OPERATORS FOR THE HOBBS)	Order No. 48
FIELD, LEA COUNTY, NEW MEXICO, OR	•	
OTHER PLAN OF PROBATION FOR THE FIELD."	f	

ORDER OF THE COMMISSION

BY THE COMMISSION:

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- Sec. 3. The total allocation to marginal units shall be deducted from the total daily field allowable and the resulting number of barrels shall be designated as the total daily non-marginal field allowable.
- Sec. 4. As far as possible, the field shall be divided into forty (40) acre tracts in the form of a square, constituting regular subdivisions of sections according to the Government surveys. Each such tract shall be considered a unit for the purposes of proration hereunder. If it should develop that there are tracts of land owned by individual operators or lease holders constituting less than a unit as above defined or in such form as not to constitute a unit as above defined, then the Commission shall create and outline fractional units or units of a form other than square.
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- Sec. 10. Forty (40) per cent of the total daily non-marginal field allowable shall be allocated to each producing unit in the ratio that the average daily potential production of each unit bears to the average daily potential production of the field. Each producing fractional unit shall be entitled to the part it would get as a full unit on the above basis multiplied by the fraction obtained by using the number of acres therein as a numerator and the figure forty (40) as a denominator. This allowable shall be designated as the potential unit allowable.
- Sec. 11. The potentials in effect December 16, 1936, shall be the potentials used at the beginning of the present plan.
- Sec. 12. In lieu of the open flow or tubing potential tests, potentials shall be adjusted in such manner as to approach a uniform bottom hole pressure for all wells in the pool.
- Sec. 13. Adjusted potentials on all wells, excepting packer wells as hereinafter defined and provided for, heretofore completed shall be determined at six month intervals as follows: Beginning March 1, 1937, and at six month intervals thereafter, the potential of each well shall be readjusted, using the average bottom hole pressure of all wells at the beginning of the previous six-month period as a denominator and the new bottom hole pressure of each well as a numerator, both readings being reduced by two-thirds (2/3) the average field pressure, and the quotient multiplied by the potential of said well at the beginning of said six months period shall be the adjusted potential of said well to be effective for the succeeding six-months period; provided that the average bottom hole pressure of the field shall be assigned to each packer well and its new potential arrived at as provided for herein for non-packer wells.
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Sec. 15. The potential of no well shall be adjusted below the acreage unit allowable, and said allowable shall be considered to be the potential of the well should it be necessary to make an upward revision thereof due to an increased bottom hole pressure of the well.

Sec. 16. A packer well, as referred to herein, is any well in which a formation packer has been set for the purpose of conserving reservoir energy.

Sec. 17. New wells shall be tested in the following manner:
The well shall be produced through the tubing for a period of two (2) hours. The first hour's production shall be disregarded, but the last hour's production shall be gauged. The one-hour tubing test multiplied by 24 shall constitute the tubing potential. The casing shall then be opened and the well produced through casing and tubing for a period of one hour. The quantity of oil so produced multiplied by 24 shall be the open flow potential, which shall be used in determining the potential unit allowable. It shall be the privilege of any operator to use the tubing potential herein provided for in connection with the current tubing-casing potential curve as approved by the Commission, to ascertain the open flow potential of any well without taking the combined casing and tubing flow as provided for above. Pumping wells shall be tested for a period of six hours and the number of barrels of oil produced multiplied by four shall be the potential.

Sec. 18. Permission to treat wells with acid shall be obtained from the Commission. The potential of a well deepened and/or treated with acid shall be the potential of the well before acid treatment and/or deepening; provided, with respect to any well now completed and which has not heretofore been treated with acid, the operator shall have the right prior to April 1, 1937, to treat the same with acid, and the potential of the well shall be its potential after treating with acid.

Sec. 19. The Commission shall notify the operator of the day and hour that a well is to be shut in for bottom hole pressure test. The bottom hole pressure shall be measured not less than 24 hours nor more than 36 hours following said specified time. Notice to the operator shall be given not less than 24 hours before the time for the well to be shut in. The well shall produce to regular allocation during the 24 hour eriod ending at the time the well is shut in.

Sec. 20. The pressure shall be measured as near as possible to a point in the well 400 feet below sea level.

Sec. 21. This order shall become effective January 1, 1937.

Sec. 22. Allocations to the Hobbs Field as a whole shall be determined according to the plan of Order No. 1 of the Commission, "General State Proration Order", adopted June 29, 1935 and Order No. 45, "Revision of Order No. 1 of the Commission 'General State Proration Order'", adopted wovember 12, 1936. Allocations for the field and the wells therein shall be included in "General State Proration Orders" of the Commission. This order supersedes any provisions of Order No. 1 with which it is in conflict.

OIL CONSERVATION COMMISSION Clyde Tingley, Governor Frank Vesely, Commissioner of Public Lands E. H. Wells, State Geologist. There being no further business, the meeting adjourned.

(Signed) Frank Vesely Acting Chairman and Secretary

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

In the Matter of the Hearing called by the Cil Conservation Commission of the State of New Mexico for the purpose of considering: "Proration Agreement of Operators for the Hobbs-Field, Lea County, New Mexico, or other plan of proration for the field."

Case No. 6
Order No. 48

responde to

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ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10:00 o'clock A.M. on the 11th day of December, 1936, in the Supreme Court Room in the State Capitol, Santa Fe, New Mexico, upon the call of the Commission in the above designated matter.

Now, on this _____ day of December, 1936, the Commission, having before it for consideration the evidence adduced at the hearing in said case, and being fully advised in the premises, therefore orders:

PRORATION PLAN FOR HOBBS FIELD, LEA COUNTY

- Sec. 1. The total allowable production of oil in the Hobbs field shall be allocated within the field by productive units. Units shall not be allocated more oil than they can produce without unreasonable waste.
- Sec. 2. Productive units shall be classified as marginal and non-marginal units, a marginal unit being one that cannot produce the acreage unit allowable, and a non-marginal unit one with a daily potential equal to or larger than the acreage unit allowable. Marginal units shall be allocated approximately the amount of oil they can produce.
- Sec. 3. The total allocation to marginal units shall be deducted from the total daily field allowable and the resulting number of barrels shall be designated as the total daily non-marginal field allowable.

Sec. 4. As far as possible, the field shall be divided into forty (40) acre tracts in the form of a square, constituting regular subdivisions of sections according to the Government surveys. Each such tract shall be considered a unit for the purposes of proration hereunder. If it should develop that there are tracts of land owned by individual operators or lease holders constituting less than a unit as above defined or in such form as not to constitute a unit as above defined, then the Commission shall create and outline fractional units or units of a form other than a square.

Sec. 5. The following 40-acre units not in the form of a square shall be considered as regular units for proration purposes: Walker Terry G, N\(\frac{1}{2}\) SW\(\frac{1}{2}\)SE\(\frac{1}{2}\) and N\(\frac{1}{2}\)SE\(\frac{1}{2}\)SE\(\frac{1}{2}\)Section 10, T. 19 S., R. 38 E. Walker Terry G-A, S\(\frac{1}{2}\)SW\(\frac{1}{2}\)SE\(\frac{1}{2}\)SE\(\frac{1}{2}\)Sec. 10, T. 19 S., R. 38 E. Repollo Crump B, N\(\frac{1}{2}\)NW\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NE\(\frac{1}{2}\)NW\(\fr

Sec. 6. The daily potential production of a well is the quantity of oil said well is capable of producing, as hereinafter determined.

Sec. 7. The average daily potential production of any unit or fractional unit shall mean the average daily potential production of all wells thereon obtained by dividing the aggregate daily potential production of all wells on such unit or fractional unit by the number of wells thereon. The average daily potential production of the field shall be the sum of the average daily potential production of all units and fractional units in the field.

Sec. 8. The Commission shall determine the average daily potential production of the field and of each producing unit and fractional unit therein on the basis of gauges or other tests as hereinafter provided.

Sec. 9. The field allowable shall be allocated among the various units on the following basis: Sixty (60) per cent of the daily allowable outlet from the field shall be allocated equally among the several producing units and fractional units without reference to the producing to units without the producing and the second of the second

unit president of the second o

designated as the acreage unit allowable.

Sec. 10. Forty (40) per cent of the daily wathet shall be allocated to each producing unit in the ratio that the average daily potential production of each unit bears to the average daily potential production of the field. Each producing fractional unit shall be enproduction of the field. Each producing fractional unit shall be entitled to the part it would get as a full unit on the above basis multitled by the fraction obtained by using the number of acres therein tiplied by the fraction obtained by using the number of acres therein as a numerator and the figure forty (40) as a denominator. This allowable shall be designated as the potential unit allowable.

Sec. 11. The potentials in effect December 16, 1936, shall be the potentials used at the beginning of the present plan.

Sec. 12. In lieu of the open flow or tubing potential tests, potentials shall be adjusted in such manner as to approach a uniform bottom hole pressure for all wells in the pool.

wells as hereinafter defined and provided for, heretofore completed shall be determined at six month intervals as follows: Beginning March 1, 1937, and at six month intervals thereafter, the potential of each well shall be readjusted, using the average bottom hole pressure of all wells at the beginning of the previous six-month period as a denominator and the new bottom hole pressure of each well as a numerator, both readings being reduced by two-thirds (2/3) the average field pressure, and the quotient multiplied by the potential of said well at the beginning of said six months period shall be the adjusted potential of said well to be effective for the succeeding six-months period; provided that the average bottom hole pressure of the field shall be assigned to each packer well and its new potential arrived at as provided for herein for non-packer wells.

Sec. 14. The Commission each six menths shall determine the bottom hole pressure of each well in the field, provided that for each well in which the bottom hole pressure cannot be determined for

mechanical reasons, seem well shall have assigned to it the bottom hole pressure of the nearest well in which a bottom hole pressure is taken, or if equidistant from two or more wells in which bottom hole pressures are taken well shall have assigned to it the average of the bottom hole pressures of said equidistant wells. Packer wells may be bombed, in which event the pressure obtained shall be used in determining the field average pressure, but said wells shall be assigned the average pressure of all wells at the beginning of said six-month period.

Sec. 15. The potential of no well shall be adjusted below the acreage unit allowable, and this shall be considered to be the potential of the well, should it be necessary to make an upward revision of the potential due to an increased bottom hole pressure of the well.

Sec. 16. A packer well, as referred to herein, is any well in which a formation packer has been set for the purpose of conserving reservoir energy.

Sec. 17. New wells shall be tested in the following manner:
The well shall be produced through the tubing for a period of two
(2) hours. The first hour's production shall be disregarded, but the
last hour's production shall be guaged. The one-hour tubing test
multiplied by 24 shall constitute the tubing potential. The casing
shall then be opened and the well produced through casing and tubing
for a period of one hour. The quantity of oil so produced multiplied
by 24 shall be the open flow potential, which shall be used in determining the potential unit. It shall be the privilege of any operator
to use the tubing potential herein provided for in connection with the
current tubing-casing potential curve as approved by the Commission, to
ascertain the open flow potential of any well without taking the combined casing and tubing flow as provided for above. Pumping wells shall
be tested for a period of six hours and the number of barrels of oil
produced multiplied by four shall be the potential.

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and/or treated with acid shall be the potential of the well before acid

treatment and/or deepening; provided, with r spect to any well now completed and which has not heretofore been treated with acid, the operator shall have the right prior to April 1, 1937, to treat the same with acid, and the potential of the well shall be its potential after treating with acid.

Sec. 19. The Commission shall notify the operator of the day and hour that a well is to be shut in for bottom hole pressure test. The bottom hole pressure shall be measured not less than 24 hours nor more than 36 hours following said specified time. Notice to the operator shall be given by:

The well shall produce its regular allocation during the 24-hour period ending at the time the well is shut in.

Sec. 20. The pressure shall be measured as near as possible to a point in the well 400 feet below sea level.

Sec. 21. This order shall become effective January 1st, 1937.

Sec. 22. Allocations to the Hobbs field as a whole shall be determined according to the plan of Order No. 1 of the Commission, "General State Proration Order", adopted June 29, 1935 and Order No. "Pavision of State Provation Order", adopted June 29, 1935 and Order No. "Pavision of State Provation of State Provation State Provation State Provation of the Wells therein 1936, shall be included in "General State Provation Orders" of the Commission. This order supersedes any provisions of Order No. 1 with which it is in conflict.

OIL CONSERVATION COMMISSION

CLYDE TINGLEY
Governor

FRANK VESH: Commissioner of Public Lands

E. H. AELLS State Geologist TRANSCRIPT OF THE PROCEEDINGS OF THE HEARTHO CALLED FOR DECEMBER 11th and DECEMBER 12, 1936.

(The Commission was in session all day December 12th, 1936 and the morning of December 12th, 1936. When they convened at 2:00 o'clock in the afternoon of December 12th, it was unanimously the afternoon of December 12th, it was unanimously agreed all the testimony presented up to that time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the testimony presented up to the time agreed all the time agreed all the

REGISTRATION

NAME

Frank Vesely E. H. Wells

F. J. Vesely Carl E. Livinston

Leo R. Manning J. E. Roth Harvey Hardison Lucius M. Lamar M. Albertson C. B. Williams R. Van A. Mills J. C. Johnston H. L. Johnston E. A. Bowers Ernest A. Hanson S. P. Hannifin R. S. Dawey W. E. Hubbard Lather A. Neal T. E. Heath Edgar Kraus Colin C. Roe J. N. Dunlavey D. D. Bodie W. E. Cunningham J. P. Cusack J. W. Jordan Glenn Bish J. S. Griffith James M. Murray Robt. S. Christie J. K. Hufindick Paul N. Colliston J. C. Seth S. Sanderson Lloyd L. Cray Jack H. Rankin George W. Selinger C. H. Fillikan Faul A. Folerwott

COMPANY

Commissioner of Public Lands) For the State Geologist) Commission

State Oil and Gas Inspector Attorney

Geo. F. Getty Oil Co. Tide Water Associated 011 Co. The California Company The California Company Shell Petroleum Corp. The Texas Company Continental Oil Co. Continental Oil Co. Continental Oil Co. Walker Oil Corp. U. S. C. S. Magnolia Pet. Co. Humble Oil & Rfg. Co. Humble 0:1 & Rfg. Co. Landreth Production Corp. Sun Oil Company Atlantic Rfg. Co. Skelly Oil Co. Skelly Oil Co.
Empire Oil & Rfg. Co. Oil Well Brilling Co. J. P. Cusack, Inc. Repollo Cil Co. The Ohio Oil Co. Humble Oil & R. Co. Te-Tex Co. Amerada The Texas Co. Continental Gil Co. Stanolind Oil Co. Gulf Gulf Repollo Skelly Oil Co. Amerada Pet. Corp. Repollo Cil Co.

Meeting called to order by Mr. Vesely, Commissioner of Public Lands, The call of the meeting was read:

NOTICE FOR PUBLICATION

STATE OF NEW MENTOC

OIL CONSERVATION COMMISSION

Pursuant to Chapter 72, Session Laws of 1935, State of New Lexico, by which act the Gil Conservation Commission of New Lexico was created, investing said Commission with the jurisdection and authority over all matters relating to the conservation of cil and gas in this State and of the enforcement of all provisions of said Act, notice is hereby given that a public hearing will be held at the Capitol, Santa Fe, New Mexico on the 11th day of December, 1936 at 10:00 o'clock A.M., for the purpose of considering the following:

Case No. 6. Proration Agreement of Operators for the Hobbs Field, Lea County, New Mexico, or other plan of proration for this field.

Given under the seal of said Commission at Santa Fe, New Mexico on November 12th, 1936.

OHL CONSERVATION COMMISSION

Clyde Tingley Governor

(SEAL)

Frank Vesely Commissioner of Public Lands

E. H. Wells
State Geologist

JUDGE SETH: Offer in evidence the existing Hobbs Fromation Agreement: (Copy of Hobbs Promation Agreement in the files of the Oil Conservation Commission.)

Mr. Wahlstrom of the Stanolind Gil Company sworn in. Judge Seth examining Mr. Wahlstron:

- Q. Are Mr. Wahlstrom's qualifications admitted?
- Mr. Vesely: Yes.
- Q. How many years experience have you had in the oil nools in Southeastern New Yekico, and those closely related to Texas?
- A. Hine years.
- Q. Have you made a study of the limestone for ations?
- A. I have.
- G. Are you Cardliar with the present icchs! proration plan?
- A. I am.

- have you made a detailed study of the effect of the present Robbs Proration Plan?
- Α.
- Have you a plan you think would result in a more equitable recoverable oil in place under each unit?
- ⊻es. A٠
- What plan is that?
- I would recommend use of straight acreage plan of proration.
- Eased on conditions now existing in Hobbs?
- You believe such plan would result in more equitable distribution of oil now remaining in pool?
- Q. Has it been suggested that a plan based on sixty percent acreage and forty percent potential would be more equitable than the present plan?
- I believe a move in the right direction.
- You believe 100% acreage would more nearly approach a real equitable distribution of the remaining oil in place?
- yes∙ Α.
- MR. VESELY: That is all, thank you.
- MR. GRAY SWORN IN.

JUDGE LINE EXALENCE UE. CRAY:

- Q. How long have you been connected with the development of the production of oil in Southeastern New Mexico, particularly the Hobbs Area?
- A. Approximately five years.
- Q. How close a centact?
- Locally in the Hobbs Pool for a period of 45 years.
- You are familiar with all surrounding conditions in the field?
- You are familiar with the plan under which the fiel was developed and produced?
- I sh
- Mon think that plan resulted in the conservation of the resurces

and equitable withdrawals of the fields properties according to the reserves?

- A. I do.
- Q. Your contention that the plan would result in equitable withdrawal?
- A. Yes.
- You suggest that we continue operation of that field under what plan?
- A. I believe the present plan would be best we could have to continue operations.
- Q. Any other plan might work an inequity?
- A. It is difficult to definitely state any plan would work inequities.
- C. If there is to be any modification of the plan, should it be gradual or the old plan overthrown at once?
- A. Very gradual.
- Q. That way we feel our way along?
- A. Yes.
- Q. It has been suggested that we reduce the potential feature to 40 and increase acreage to 60, do you think that preferable to discarding potential entirely?
- A. Yes, I do.
- Q. Think that would be a step in the right direction?
- A. Yes.

That is all.

GLERN STALEY SWORN IN.

JUDGE SETH EXAMINING MR. STALEY:

- 6. State your name.
- A. C. G. Staley.
- Q. You have been proration umpire at Hobbs under the previous proration plan and the present one?
- A. Yes.
- Q. How many years in Hobbs?
- A. 65 years.
- Q. Has there been any schedule units in the field in use under the proration plan?
- . There has.

- All units have letter and reference section, is there a regular scale designating units in section.
- A. Yes, it is done this way. Each unit has a letter beginning with A in the Northeast 40 acres, lettered back and from letter A to
- Q. Does the key appear on the Hobbs Engineering Plan recently issued?
- A. No, on all maps made.

(Exhibiting map*

- C. There letters beginning in the Northeast last fall, same system in the sections and townships from East to West and back and forth?
- What is a unit in Hobbs under the present system, what size?
- In the main, according to purpose rather than survey? Α. Q.
- Are one or two direct angular units in scale following late survey? yes. Α.
- Are the units set out in proration schedule 154 fair and equitable? Α. €.
- We offer that portion of the proration schedule in evidence, but only that portion showing actual units.
- MR. MCCORKLE FXAMINING MR. STALEY:
- Have the greater part of the wells in the Hobbs Pool been acidized?
- They have.
- Acidication help potentials? Ç.,
- In regard to such leases not acidized, would you consider it fair and Yes. A . reasonable for the Commission now to permit within a reasonable time such lease to be acidized?
- A. I do think it fair.

JUDGE LOWE EXACTRACE NR. STATEY:

- Q. You have been umpire, how many years?
- Q. During that period of time you closely observed all wells?

- A. Yes.
- Q. How are present potentials determined?
- A. Determined by three hour test, using last hour potential of the well.
- C. How adjusted from time to time?
- A. Drop bottem hole pressure of individual wells.
- Q. You think the potentials you now have substantially reflect the potentials of those wells?
- A. Using what information we have, yes.
- Q. We introduce these in evidence.

JUDGE SETH:

- G. When were potentials last taken?
- A. About three years ago, I think.

JUDGE LOWE:

- Q. You believe from your observation and knowledge of the field, taking potentials determined which you have arrived at, taking the original potentials, declaring the connection of bottom hole pressure, do equity between operators in that field and result in substantial equal withdrawal of the various units on the basis of 60-40?
- A. I think relatively, it would be fair plan of distribution for market outlet.

Hearing adjourned.

December 15th, 1937, hearing pursuant to adjournment before the Commission.

JUDGE SETH FXAMINING MR. WAHLSTRON WHO BAS BEEN PREVIOUSLY SWORM IN.

- Q. Have you and your committee of engineers considered a set of field rules for the Hobbs Pool?
- A. Yes.
- Q. These rules relate to the engineering, the taking of potentials and similar matters?
- A. Various proration matters.
- Q. Did this committee agree to such rules?
- A. Yes, they did.
- Q. Has a copy of these rules been delivered to Mr. Wells, State Seclogist?

- A. Yes. He has a copy.
- Q. In your opinion, these rules are proper for carryingout any provation order the Commission may put into effect in the Nobbs. Pool?
- A. Yes.
- Q. Will these rules have the effect of permitting proper production of cil in the manner that is fair and equitable to all operators in the pool and in such manner to prevent waste?
- A. I believe they would.
- Q. Would these rules give an opportunity to effectively carry out any order of the Commission which they may put into effect which has the taking of well potential as any part of the basis of proration:
- A. Don't quite understand.
- Q. Will these rules provide for the taking of potentials of wells in the event the Commission makes well potential a factor in any ellocation used ?
- A. Yes.
- Q. Will provide the taking of potentials in a matter fair and equitable among the various owners in the field?
- A. Yes.
- Q. Did the Engineer's Committee agree to recommend the adoption of these rules?
- A. Yes.
- Q. There has been in effect in the Hobbs Pool for some time rule

 No. q-A covering the plan decark declaring the manner and adjusted

 wells potentials, a copy of which is tendered herewith as an

 Exhibit?
- A. Yes.

(Exhibit in the files of the Oil Conservation Commission)

- Q. Adjustment some basis of bottom hole pressure?
- A. Right.
- C. In your opinion it is the proper one to be adopted considering the conditions of the lob's Pool?
- A. I believe so, yes.
- Q. Would you say the adoption of such further modification by the

Commission as future studies may render necessary? A. That is my idea.

(Hearing adjourned)

By Rose M. Kann February 24th, 1937.

TRANSCRIPT OF THE PROCEEDINGS OF THE HEARING CALLED FOR DECEMBER 11th and DECEMBER 12, 1936.

(The Commission was in session all day December 11th, 1936 and the morning of December 12th, 1936. When they convened at 2:00 o'clock in the afternoon of December 12th, it was unanimously agreed all the testimony presented up to that time be destroyed, which was done, and the following is a short session held on the afternoon of December 12th, 1936.)

REGISTRATION

NAME

Frank Vesely E. H. Wells

F. J. Vesely Carl B. Livingston

Leo k. Manning J. E. noth Harvey Hardison Lucius M. Lamar M. Albertson C. B. Williams R. Van A. Mills J. C. Johnston H. L. Johnston B. A. Bowers Ernest A. Hanson S. P. Hannifin R. S. Dewey W. E. Hubbard Luther A. Neal T. E. Heath Edgar Kraus Colin C. Roe J. N. Dunlavey D. D. Bodie W. E. Cunningham J. P. Cusack J. W. Jordan Glenn Bish J. S. Griffith

James M. Murray

J. O. Seth

S. Sanderson

Lloyd L. Gray

Jack H. Rankin

C. N. Millikan

Robt. S. Christie J. K. Hufindick

Paul N. Colliston

George W. Selinger

Paul A. McDermott

COMPANY

Commissioner of Public Lands) For the State declogist) Commission

State Oil and Gas Inspector Attorney

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Meeting called to order by Mr. Vesely, Commissioner of Public Lands. The call of the meeting was read:

NOTICE FOR PUBLICATION

STATE OF NEW MEXICO

OIL CONSERVATION COMMISSION

Pursuant to Chapter 72, Session Laws of 1935, State of New Mexico, by which act the Oil Conservation Commission of New Mexico was created, investing said Commission with the jurisdiction and authority over all matters relating to the conservation of oil and gas in this State and of the enforcement of all provisions of said Act, notice is hereby given that a public hearing will be held at the Capitol, Santa Fe, New Mexico on the 11th day of December, 1936 at 10:00 o'clock A.M., for the purpose of considering the following:

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Given under the seal of said Commission at Santa Fe, New Mexico on November 12th, 1936.

OIL CONSERVATION COMMISSION

Clyde Tingley Governor

Frank Vesely Commissioner of Public Lands

(SEAL)

E. H. Wells State Geologist

JUDGE SETH: Offer in evidence the existing Hobbs Proration Agreement: (Copy of Hobbs Proration Agreement in the files of the Oil Conservation Commission.)

Mr. Wahlstrom of the Stanolind Oil Company sworn in. Judge beth examining Mr. Wahlstron:

- Q. Are Mr. Wanlstrom's qualifications admitted?
- Mr. Vesely: Yes.
- Q. How many years experience have you had in the oil pools in Southeastern new Mexico, and those closely related to Texas?
- A. Nine years.
- Q. Have you made a study of the limestone formations?
- A. I have.
- Q. Are you familiar with the present hobbs! proration plan?
- À. I am.

- Q. Have you made a detailed study of the effect of the present hobbs' Proration Plan?
- A. Yes.
- Q. Have you a plan you think would result in a more equitable recoverable oil in place under each unit?
- A. Yes.
- Q. What plan is that?
- A. I would recommend use of straight acreage plan of proration.
- Q. Based on conditions now existing in Hobbs?
- A. Yes.
- Q. You believe such plan would result in more equitable distribution of oil now remaining in pool?
- A. Yes.
- Q. Has it been suggested that a plan based on sixty percent acreage and forty percent potential would be more equitable than the present plan?
- A. I believe a move in the right direction.
- Q. You believe 100% acreage would more nearly approach a real equitable distribution of the remaining oil in place?
- A. Yes.
- MR. VESELY: That is all, thank you.
- MR. GRAY SWORE IN.

JUDGE LOWE EXAMINING MR. GRAY:

- Q. How long have you been connected with the development of the production of oil in Southeastern New Mexico, particularly the Hobbs area?
- A. Approximately five years.
- Q. How close a contact?
- A. Locally in the nobbs Pool for a period of 42 years.
- Q. You are familiar with all surrounding conditions in the field?
- A. Yes.
- Q. You are familiar with the plan under which the field was developed and produced?
- n. I am.
- C . You think that plan resulted in -3-

and equitable withdrawals of the fields properties according to the reserves?

- A. I do.
- Q. Your contention that the plan would result in equitable withdrawal?
- A. Yes.
- Q. You suggest that we continue operation of that field under what plan?
- A. I believe the present plan would be best we could have to continue operations.
- Q. Any other plan might work an inequity?
- A. It is difficult to definitely state any plan would work inequities.
- Q. If there is to be any modification of the plan, should it be gradual or the old plan overthrown at once?
- A. Very gradual.
- Q. That way we feel our way along?
- A. Yes.
- Q. It has been suggested that we reduce the potential feature to 40 and increase acreage to 60, do you think that preferable to discarding potential entirely?
- A. Yes, I do.
- Q. Think that would be a step in the right direction?
- A. Yes.

That is all.

GLENN STALEY SWORN IN.

JUDGE SETH EXAMINING MR. STALEY:

- Q. State your name.
- A. C. G. Staley.
- Q. You have been proration umpire at Hobbs under the previous proration plan and the present one?
- A: Yes.
- Q. How many years in Hobbs?
- A. 68 years.
- Q. Has there been any schedule units in the field in use under the proration plan?
- A. There has.

- Q. All units have letter and reference section, is there a regular
- Yes, it is done this way. Each unit has a letter beginning with
 - A. in the Northeast 40 acres, lettered back and from letter A to
 - Q. Does the key appear on the nobbs Engineering Plan recently issued?
 - A. No, on all maps made.
 - C. There letters beginning in the Northeast last fall, same system in the sections and townships from East to West and back and forth?

 - Q. What is a unit in Hobbs under the present system, what size?

 - In the main, according to purpose rather than survey? A. Forty acres.

 - Q. Are one or two direct angular units in scale following late survey?

 - Q. Are the units set out in roration schedule 154 fair and equitable?

 - Q. We offer that portion of the proration schedule in evidence, but only that portion showing actual units.
 - Q. Have the greater part of the wells in the Hopps Pool been acidized? MR. MCCORKLE EXAMINING MR. STALEY:

 - A. They have. Q. Acidization nelp potentials?
 - Á٠
 - In regard to such leases not acidized, would you consider it fair and reasonable for the Commission now to permit within a reasonable time Q. such lease to be acidized?
 - A. I do think it fair.

JUDGE LOWE EXAMINING MAN. STALEY:

- G. You have been umpire, how many years?
- During that period of time you closely observed all wells? 63 years.

- A. Yes.
- Q. now are present potentials determined?
- A. Determined by three nour test, using last nour potential of the well.
- Q. now adjusted from time to time?
- A. Drop bottom hole pressure of individual wells.
- Q. You think the potentials you now have substantially reflect the potentials of those wells?
- A. Using what information we have, yes.
- Q. We introduce these in evidence.

JUDGE SETH:

- Q. When were potentials last taken?
- A. About three years ago, I think.

JUDGE LOWE:

- Q. You believe from your observation and knowledge of the field, taking potentials determined which you have arrived at, taking the original potentials, declaring the connection of bottom hole pressure, do equity between operators in that field and result in substantial equal withdrawal of the various units on the basis of 60-40?
- A. I think relatively, it would be fair plan of distribution for market outlet.

Hearing adjourned.

December 15th, 1937, hearing pursuant to adjournment before the Commission.

JUDGE SETH EXAMINING MR. WAHLSTROM WHO HAS BEEN PREVIOUSLY SWORN IN.

- Q. Have you and your committee of engineers considered a set of field rules for the Hobbs Pool?
- A. Yes.
- Q. These rules relate to the ensineering, the taking of potentials and similar matters?
- A. Various proration matters.
- Q. Did this committee agree to such rules?
- A. Yes, they did.
- Q. has a copy of these rules been delivered to Mr. Wells, State
 Geologist?
 -6-

- A. Yes. He has a copy.
- Q. In your opinion, these rules are proper for carrying out any proration order the Commission may put into effect in the Hobbs Pool?
- A. Yes.
- Q. Will these rules have the effect of permitting proper production of oil in the manner that is fair and equitable to all operators in the pool and in such manner to prevent waste?
- A. I believe they would.
- Q. Would these rules give an opportunity to effectively carry out any order of the Commission which they may put into effect which has the taking of well potential as any part of the basis of proration?
- A. Don't quite understand.
- Q. Will these rules provide for the taking of potentials of wells in the event the Commission makes well potential a factor in any allocation used?
- A. Yes.
- Q. Will provide the taking of potentials in a matter fair and equitable among the various owners in the field?
- A. Yes.
- Q. Did the Engineer's Committee agree to recommend the adoption of these rules?
- A. Yes.
- Q. There has been in effect in the Hobbs Pool for some time rule No. q-A covering the plan declaring the manner and adjusted wells potentials, a copy of which is tendered herewith as an Exhibit?
- A. Yes.

(Exhibit in the files of the Oil Conservation Commission)

- 4. Adjustment some basis of bottom note pressure?
- A. Right.
- Q. In your opinion it is the proper one to be adopted considering the conditions of the nobbs Pool?
- A. I believe so, yes.
- Q. Would you say the adoption of such further modification by the

Commission as future studies may renler necessary?

A. That, is my idea.

(Hearing adjourned)

Cily Day

This in Clembile of Januari and entered into an of the antitude of the antity of the last day of discount, last, by and between the industriant content and country for oil and see leases in what is known as the Nobbe Oil hool or Field in Lea County. New Mexico, covering lands in Teamshipe 16 and 19 Bouth. Ranges 57 and 32 East. joined herein by the Compassioner of Public Lands of the State of New Mexico, representing the mineral interests of said State in the lands belonging to the State and affected by this agreement, all of the parties herein acting pursuant to the provisions of Chapter 132 of the Laws of New Mexico, enacted at the Mint. Regular Sussion of the Legislature of the State of New Mexico.

WITHESSER THAT WHEREAS the State of New Mexico is the owner of certain of the lands embraced in the said Robbs Pool and the other parties hereto are the owners respectively of producing oil and gas leases and/or oil and gas leases upon lends located in the present and probable oil and gas producing area in said field, and acidfield contains a large potential oil and gas producing area now capable of producing large quantities of cil, and the parties hereto recognize that the daily quantity of oil that can be produced from said field for a considerable period of time will be largely in excess of the amount that can be marketed and transported through the available transportation and marketing facilities from said field. It is the concensus of opinion of all parties hereto that a program of unrestrained drilling and production would result in a serious waste of sea above ground and a waste of both oil and gas underground and that an extensive storage program would be necessitated resulting in large loss to the operators and others interested, including the State of New Mexico. It is, therefore, believed to be in the interest of all parties hereto and of all royalty owners in the lend involved, and in the interest of the furtherence of conservation and the prevention of waste of oil and gas that the allowable cutlet of oil from said field to market be promated on a fair and equitable basis as hereinafter outlined among the several parties hereto ording and operating oil and gas leases in the said Pool

IT IS THEREFORE MORRED:

1. For convenience and bravity the following definitions are agreed upon:

- transmin is the ferrice a material that the state of the state and state and sections according to the Covariant surveys. Each such these delikes considered a material transportant of purposes of provided heromoder. If it should develop that there are trusts of the owned by individual operators or leave habiture a material than a unit an above defined or is such four as not to constitute a material above defined, then the Common oral Cormittee heroirefter constituted is largely authorized to create and outling fractional units or units of a form other than a square, and the parties agree to be bound by the action of the General Cormittee in so constitutive units or fractional units.
- (b) The daily potential production of a well is the quantity of cil said well is capable of producing, as hereinafter determined, during a period of twenty-four (24) hours if pumped or if operated naturally under usual methods.
- (c) The everage daily potential production of any unit or fractional unit shall mean the average daily potential production of all wells thereon obtained by dividing the aggregate daily potential production of all wells on such unit or fractional unit by the number of wells thereon. The average daily potential production of the field shall be the sum of the average daily potential production of all units and fractional units in the field.
- (d) The daily allowable runs to common carrier pipe lines or other market facilities for any party hereto during any proration period as herein provided shall be the amount such party is entitled to run daily from all units and fractional units owned by such party in the field during a given proration period.

- (e) Beginning at seven (7) a.m. o'clock on the first day and ending at seven (7) a.m. o'clock on the sixteenth (lith) day of each nonth, and beginning at seven (7) a.m. o'clock on the sixteenth (lith) day and ending at seven (7) a.m. o'clock on the first (lat) day of each following nonth shall be taken as the proration period; provided that the General Condittee hereinafter constituted is hereby authorized to constitute each calendar month the proration period.
- 2. The parties hereto name and constitute the following as a consittee to be known as the General Constitue, whose duty it shall be to carry out the details of the projection program herein agreed upon and the other provisions hereof:

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J. E. Susen	Recall Oil & Ratining Company.
S. a. Landreth.	Lindrath Production Corneration
0 L Glajdsu	impolia Cetralaus Company
G. C. Moody	Mid-Continent Percelage Corporation
Glen Bish	Ohio Cil Company
Mart Commingham	Cil Well Drilling Company
.31en Barroup	Repolto 011 Company
Lloyd Achie	Swieden Cil Corporation
D. B. Collins	Shell Patroleum Comporation
J. C. Greelen	Skully Cil Congany
A. E. McCorkle	Stanolind Cil and Gas Coupeny
C. R. Yenger	Persa Pacific Coal & Gil Commany
R. J. Hawley	The California Company
L. H. Barrows	The Texas Coupery
T. A. Hell	Tide Witer Oil Company

It is understood and agreed that any party hereic may substitute for the representative of such party above usuad some other representative, by notifying all the other parties larged in writing. This Capatites shall have the powers and functions hereinafter set forth. Said Consitted shall said its own Chairman.

Twin States Oil Company

Walker Cil Corporation

T. J. Swaeney

Harry W. Walker

3. An Executive Constitue is hereby constituted, composed of L. S. Eurows, J. C. Gresien, D. B. Collins, H. A. Lundrets, h. E. March, A. M. McCorkie, F. R. Dunc, S. G. Sanderson, and harmy J. Anther and the Journalisations of Februaries and the State Jacobayist of New Mexico, and a resistor shall be the Committee of the General Constitue, while C. March, subject to the control of the Landrel Constitue above wheel, shall be charged at the responsibility of compute out the details

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tenion. Thermales in said on this entire to this to bright the bright tenion of the form of the form of the contract of the co

Rescutive Committee Legander to the Seneral Scottities

4. (a) The parties bereto agree to provide the allocable outlet for cilfrom said field upon the following basis: The Univers as provided for in Parngraph
12, shall determine the average daily potential production of the field and of each
producing unit and fractional unit therein on the basis of gauges or other tests as
hereinafter provided and under the direction and control of the Executive Consistee
at such times as may be decided upon by said Executive Consistee. The Executive
Consistee shall also ascertain from time to time the allowable outlet and/or fair
proportion of the state allowable to be allocated to this field, and shall recommend
such fair proportion to the State Oil Conservation Commission for its adoption.

ALLOCATION OF ALLOWABLE CUTLETT

(b) Except in case of water units as hereinafter defined, the field allowable shall be allocated among the various units on the following basis: One fourth (1/4) of the daily ellowable outlet from the field shall be provated among the several producing units and fractional units without reference to the producing shility thereof, each fractional unit participating to the extent of its program part of a full unit. The other three-fourths (3/2) of the daily allowable outlet shall be promited to each producing unit in the ratio that the average daily potential production of each unit bears to the average daily potential production of the field; each producing fractional unit shall be entitled to the part it would get as a full wait on the above basis multiplied by the fraction obtained by using the number of acres therein as a numerator and the figure forty "40" as a describation. In the event spacial circumstances should arise under which the division of allowable outlet as herein provided should work an undue hardship upon the owner of any unit or fractional unit; the Executive Committee is authorized to make special adjustments after hearing upon notice to all parties concerned; and, subject to the right of appeal to the General Committee, such adjustments when made shall be final and binding upon all parties hereto

5. Water Units

Commencing January 1, 1936 and beginning of any other projection period there-

receive an allocation of the drip raise above a community of the drip raise and all the end of the drip raise and all the end of the drip raise and the community of the end of

The ellocation to and writ in the hobbs fool shall fight ha computed exact ly as preserided in Paragraph 4 (b) of this layers and tize, veing 25% as the coreage Inctor and 75% as the potential factor. .. assend computation shall next by sade in like manner using 40% as the acreage factor and 60% as the potential factor. The Umpire shall then asking to each support whit the last er of one two alkowables thus " computed for each such water unit. The total of all allowables for mater unita thus computed shall be deducted from the daily allowable outlets, and the remaining daily allowable outlet shall be allocated to the constant white exits exactly as prescribed in said paragraph 4 (b) of this Agraement, unity 200 as the sensele factor sad 75% as the potential factor. To illustrate: Assume 200 units in the Lobbs Fool of which 40 units are water units; assume a daily allowable oublet of 50,000 barrels; and assure 5,000 barrals have been allocated to the water units. Twenty-five percent of this 24,000 barrols, or 6,000 barrols, shall be allocated ratably to each of the 130 non-exter units, which would give an "servage allowance" of 37.5 barrels to each non-rater unit. The remaining 19 000 carrels shall be allocated to the several nonwater units in the ratio that the average daily potential production of the several non-water units beers to total everage daily potential production of the 180 non-water . units,

6. UNITS NOT CAPABLE OF PRODUCING ALLOHABLE:

If any unit cannot produce the amount allocated to it, the excess of the allowable over the producing enjacity of the unit shall be distributed to the remaining units by first deducting the daily production of such units from the deily field allowable and also by deducting the number of such units from the total number of units in the field, then allocating the remaining field allocable to the remaining units as hereinabove provided.

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seen an abstraction with the arms a bosonical of each religional be readjusted the beginning of said three rooths partod as a denominator and the new bottom hole pressure of each wall as a non-erator, both readings born voluced by two-thirds (E/3) the average field pressure, and the quotient saitoplies by the potential of said well at the beginning of each wall as a non-erator. So the pressure by the potential of said well at the beginning of each and six conflicted to be the adjusted potential of said well to be affective for the succeeding three contine; sector; provided that the average bottom bote pressure of the field of all be assigned to each pucker well and its new potential arrived at as provided for howein for any-pather wells.

The Unite shall each bix withe detention the bottom hole pressure of each well in the field provided that for oneb sell in which the bottom hole pressure curvet be eafely determined for nechalize behaving each well shall have easigned to it the bottom hole pressure of the search well in which a bottom hole pressure is taken, or if equidistant from the product wells in which bottom hole pressures taken said well shall have used not to be the average of the bottom hole pressures of said equidinatest wells. All pressure rolls may be bonded and the pressure obtained which has used in determining the field represented. Putential of packer wells shall be dealined as in the past.

As the botton hole promotes of the entire field decline the executive Counttine whall have and outly to neglect from time to this the freetimel part of the score is field pressure to the extremal field of a source is field pressure to the extremal field of a source is field december and decomposite of the Country the pressure and decomposite of the Country that the pressure and decomposite of the Country that the entire the continuous set of the Country that the extremal promotes and decomposite of the Country that the entire that the exception of the country that the exception of the country that the exception to the country that the exception of the country that the exception

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(a) new with right to reache is which thinks the contract the first termination of the (b) fermes. The first termination of the (b) fermes. The first termination of the thinks of the termination of all the dissembled, but the last county production shall be ranged.

The county shall thus be exceededed its wall produced shrough over and taking for a period of one hour. The quantity of all so produced in limited by 14 will give the open flow potential, which will be used in determining the allowable unit production. It shall be the privilege of any operator to use the taking petertial curve as approved by the Engineering Condition as a horsine the provided for, to according the open flow potential of any well atthout taking the contined ensure and tuting flow as provided for beautifulated by from will be exceeded the notestial for istermining the allowable production.

(b) The Chairman of the Jeneral Cormittee, upon recommondation of a majority of the Engineering Committee is authorized to make any variations in the rules set out in Paragraphs ? and 8, to make the plan nominule and such changes shall be promptly submitted to the Exemptive Counities for approval.

9. SHOOTING, DECEMBED AND ACID TREATMENT:

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The parties herein space that we well in said field shall be show with explosives without first obtaining the written paradesion of the Executive Committee.

All applications for permission to treat wells with dead shall be submitted in writing hopeach to a United to the Collected. The sort would off, will deepen and ani/or treated with cond shall be the potential of the only before each treatment uni/or despening notified by declining at much pale. If the sort is not note as the evenue potential decline of the field.

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15. Weak eyember whali he estibled to bette one fairthest Injigses so a remove of the Field Engineering Committee of plich the Ungine skales Theiresh.

the fils agreement shall not be binding upon any of the paties hereto unless and until litts executed by all of the parties whose names again in paragraph 2 hereof and is approved by the fil Conservation Constantion of the State of New Newton, but if and them so executed and approved, after shall be indired upon all parties hereto and their respective autorescent and assigns, and shill be and remain in full force and order for a term of their contin from the sid date of January 1, 1935, and any here research or extended for anomalists, with the consent in acting of the cil Conservation Conservation Conservation in which, with the consent in acting of the cil Conservation to the state of the State (is Conservation Conservation and the city time, archive from the conservation continued to the continue

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AFPROVED This say of January,		
1936, as of the First Day of January,	Commissioner of Fublic Lands of the State of New Mexico	
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NOTICE FOR PUBLICATION

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

Presuant to Chapter 72, Session Laws of 1935, State of New Mexico, by which act the 0il Conservation Commission of New Mexico was created, investing said Commission with the jurisdiction and authority over all matters relating to the conservation of oil and gas in this State and of the enforcement of all provisions of said Act, notice is hereby given that a public hearing will be held at the Capitol, Santa Fe, New Mexico on the 11th day of December, 1936 at 10:00 o'clock A.M., for the purpose of considering the following:

Case No. 6. Proration Agreement of Operators for the Hobbs Field, Lea County, New Mexico, or other plan of proration for this field.

Given under the seal of said Commission at Santa Fe, New Mexico on November 12th, 1936.

OIL CONSERVATION COMMISSION

(SEAL)

By Clyde Tingley
GOVERNOR

By Frank Vesely
Commissioner of Public Lands

BY E. H. Wells
State Geologist

Hobbs News, Hobbs, New Hexico Hovember 18, 1938

New Mexico Examiner, Santa Te, lew exico, November 20th, 1936. Casa//o.

Application, Transcript, 5 mill Exhibits, Etc.

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Given under the seal of said Commission at Santa Te, Tev Mexico on November 12th, 1936.

CII GOUSERA LICH BONT IRSION Governor By Commissioner of Jublic Lands _. . Wells State Geologist

TRANSCRIPT OF THE PROCEEDINGS OF THE HEARING CALLED FOR DECEMBER 11th and DECEMBER 12, 1936.

(The Commission was in session all day December 11th, 1936 and the morning of December 12th, 1936. When they convened at 2:00 o'clock in the afternoon of December 12th, it was unanimously agreed all the testimony presented up to that time be destroyed, which was done, and the following is a short session held on the afternoon of December 12th, 1936.)

REGISTRATION

NAME

COMPANY

Frank Vesely E. H. Wells

F. J. Vesely Carl B. Livingston

Leo R. Manning
J. E. Roth
Harvey Hardison
Lucius M. Lamar
M. Albertson
C. B. Williams
R. Van A. Mills
J. C. Johnston
H. L. Johnston

B. A. Bowers
Ernest A. Hanson
S. P. Hannifin
R. S. Dewey
W. E. Hubbard
Luther A. Neal

Edgar Kraus Colin C. Roe J. N. Dunlavey D. D. Bodie W. E. Cunningham

T. B. Heath

J. P. Cusack J. W. Jordan Glenn Bish

J. S. Griffith
James M. Murray
Robt. S. Christie
J. K. Hufindick
Paul N. Colliston

J. O. Seth
S. Sanderson
Lloyd L. Gray
Jack H. Rankin
George W. Selinger
C. N. Millikan
Paul A. McDermott

Commissioner of Public Lands) For the State Geologist Commission

State Oil and Gas Inspector Attorney

Geo. F. Getty Oil Co. Tide Water Associated Oil Co. The California Company The California Company Shell Petroleum Corp. The Texas Company Continental Oil Co. Continental Oil Co. Continental Oil Co. Walker Oil Corp. U. S. G. S. Magnolia Pet. Co. Humble Oil & Rfg. Co. Humble Oil & Rfg. Co. Landreth Production Corp. Sun Oil Company Atlantic Rfg. Co. Skelly Oil Co. Skelly Oil Co. Empire Oil & Rfg. Co. Oil Well Drilling Co. J. P. Cusack, Inc. Repollo Oil Co.

The Ohio Oil Co.
Humble Oil & R. Co.
Me-Tex Co.
Amerada
The Texas Co.
Continental Oil Co.
Stanolind Oil Co.
Gulf
Gulf
Repollo
Skelly Oil Co.

Amerada Pet. Corp.

Repollo Oil Co.

Meeting called to order by Mr. Vesely, Commissioner of Public Lands.

The call of the meeting was read:

NOTICE FOR PUBLICATION

STATE OF NEW MEXICO

OIL CONSERVATION COMMISSION

Pursuent to Chapter 72, Session Laws of 1935, State of New Mexico, by which act the Oil Conservation Commission of New Mexico was created, investing said Commission with the jurisdiction and authority over all matters relating to the conservation of oil and gas in this State and of the enforcement of all provisions of said Act, notice is hereby given that a public hearing will be held at the Capitol, Santa Fe, New Mexico on the 11th day of December, 1936 at 10:00 o'clock A.M., for the purpose of considering the following:

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OIL CONSERVATION COMMISSION

Clyde Tingley Governor

Frank Vesely Commissioner of Public Lands

(SEAL)

E. H. Wells State Geologist

JUDGE SETH: Offer in evidence the existing Hobbs Proration Agreement: (Copy of Hobbs Proration Agreement in the files of the Oil Conservation Commission.)

Mr. Wahlstrom of the Stanolind Oil Company sworn in. Judge Seth examining Mr. Wahlstron:

- Q. Are Mr. Wahlstrom's qualifications admitted?
- Mr. Vesely: Yes.
- Q. How many years experience have you had in the oil pools in Southeastern New Mexico, and those closely related to Texas?
- A. Nine years.
- Q. Have you made a study of the limestone formations?
- A. I have.
- Q. Are you familiar with the present Hobbs! proration plan?
- A. I am.

- Q. Have you made a detailed study of the effect of the present Hobbs' Proration Plan?
- A. Yes.
- Q. Have you a plan you think would result in a more equitable recoverable oil in place under each unit?
- A. Yes.
- Q. What plan is that?
- A. I would recommend use of straight acreage plan of proration.
- Q. Based on conditions now existing in Hobbs?
- A. Yes.
- Q. You believe such plan would result in more equitable distribution of oil now remaining in pool?
- A. Yes.
- Q. Has it been suggested that a plan based on sixty percent acreage and forty percent potential would be more equitable than the present plan?
- A. I believe a move in the right direction.
- Q. You believe 100% acreage would more nearly approach a real equitable distribution of the remaining oil in place?
- A. Yes.
- MR. VESELY: That is all, thank you.
- MR. GRAY SWORN IN.

JUDGE LOWE EXAMINING MR. GRAY:

- Q. How long have you been connected with the development of the production of oil in Southeastern New Mexico, particularly the Hobbs area?
- A. Approximately five years.
- Q. How close a contact?
- A. Locally in the Hobbs Pool for a period of 42 years.
- Q. You are familiar with all surrounding conditions in the field?
- A. Yes.
- Q. You are familiar with the plan under which the field was developed and produced?
- A. I am.
- A. Von think that alon monited in ...?

and equitable withdrawals of the fields properties according to the reserves?

- A. I do.
- Q. Your contention that the plan would result in equitable withdrawal?
- A. Yes.
- Q. You suggest that we continue operation of that field under what plan?
- A. I believe the present plan would be best we could have to continue operations.
- Q. Any other plan might work an inequity?
- A. It is difficult to definitely state any plan would work inequities.
- Q. If there is to be any modification of the plan, should it be gradual or the old plan overthrown at once?
- A. Very gradual.
- Q. That way we feel our way along?
- A. Yes.
- Q. It has been suggested that we reduce the potential feature to 40 and increase acreage to 60, do you think that preferable to discarding potential entirely?
- A. Yes, I do.
- Q. Think that would be a step in the right direction?
- A. Yes.

That is all.

GLENN STALEY SWORN IN.

JUDGE SETH EXAMINING MR. STALEY:

- Q. State your name.
- A. C. G. Staley.
- Q. You have been proration umpire at Hobbs under the previous proration plan and the present one?
- A. Yes.
- Q. How many years in Hobbs?
- A. 62 years.
- Q. Has there been any schedule units in the field in use under the proration plan?
- A. There has.

- Q. All units have letter and reference section, is there a regular scale designating units in section.
- A. Yes, it is done this way. Each unit has a letter beginning with

 A. in the Northeast 40 acres, lettered back and from letter A to

 P in Southeast 40 acres.
- Q. Does the key appear on the Hobbs Engineering Plan recently issued?
- A. No, on all maps made.

(Exhibiting map)

- Q. There letters beginning in the Northeast last fall, same system in the sections and townships from East to West and back and forth?
- A. Yes.
- Q. What is a unit in Hobbs under the present system, what size?
- A. Forty acres.
- Q. In the main, according to purpose rather than survey?
- A. Yes.
- Q. Are one or two direct angular units in scale following late survey?
- A. There are.
- Q. Are the units set out in roration schedule 154 fair and equitable?
- A. I think they are.
- Q. We offer that portion of the provation schedule in evidence, but only that portion showing actual units.
- MR. MCCORKLE EXAMINING MR. STALEY:
- Q. Have the greater part of the wells in the Hobbs Pool been acidized?
- A. They have.
- Q. Acidization help potentials?
- A. Yes.
- Q. In regard to such leases not acidized, would you consider it fair and reasonable for the Commission now to permit within a reasonable time such lease to be acidized?
- A. I do think it fair.

JUDGE LOWE EXAMINING MA. STALEY:

- Q. You have been umpire, how many years?
- A. 62 years.
- Q. During that period of time you closely observed all wells?

- A. Yes.
- Q. How are present potentials determined?
- A. Determined by three nour test, using last hour potential of the well.
- Q. How adjusted from time to time?
- A. Drop bottom hole pressure of individual wells.
- Q. You think the potentials you now have substantially reflect the potentials of those wells?
- A. Using what information we have, yes.
- Q. We introduce these in evidence.

JUDGE SETH:

- Q. When were potentials last taken?
- A. About three years ago, I think.

JUDGE LOWE:

- Q. You believe from your observation and knowledge of the field, taking potentials determined which you have arrived at, taking the original potentials, declaring the connection of bottom hole pressure, do equity between operators in that field and result in substantial equal withdrawal of the various units on the basis of 60-40?
- A. I think relatively, it would be fair plan of distribution for market outlet.

Hearing adjourned.

December 15th, 1937, hearing pursuant to adjournment before the Commission.

JUDGE SETH EXAMINING MR. WAHLSTROM WHO HAS BEEN PREVIOUSLY SWORN IN.

- Q. Have you and your committee of engineers considered a set of field rules for the Hobbs Pool?
- A. Yes.
- Q. These rules relate to the engineering, the taking of potentials and similar matters?
- A. Various proration matters.
- Q. Did this committee agree to such rules?
- A. Yes, they did.
- Q. Has a copy of these rules been delivered to Mr. Wells, State

- Yes. He has a copy.
- Q. In your opinion, these rules are proper for carrying out any proration order the Commission may put into effect in the Hobbs Pool?
- Q. Will these rules have the effect of permitting proper production of oil in the manner that is fair and equitable to all operators in the pool and in such manner to prevent waste?
- I believe they would.
- Q. Would these rules give an opportunity to effectively carry out any order of the Commission which they may put into effect which has the taking of well potential as any part of the basis of proration
- Don't quite understand.
- Q. Will these rules provide for the taking of potentials of wells in the event the Commission makes well potential a factor in any allocation used?
- Yes.
- Q. Will provide the taking of potentials in a matter fair and equitable among the various owners in the field?
- Yes.
- Did the Engineer's Committee agree to recommend the adoption of these rules?
- Yes.
- Q. There has been in effect in the Hobbs Pool for some time rule No. q-A covering the plan declaring the manner and adjusted wells potentials, a copy of which is tendered herewith as an Exhibit?
- Yes. Α.

(Exhibit in the files of the Oil Conservation Commission)

- Adjustment some basis of bottom hole pressure? Ω.
- Q. In your apinion it is the proper one to be adopted considering the conditions of the Hobbs Pool?
- I believe so, yes.
- Would you say the adoption of such further modification by the

Commission as future studies may render necessary?

A. That is my idea.

(Hearing adjourned)

MINUTES OF THE HOBBS POOL GENERAL COMMITTEE MEETING HELD AT SANTA FE, NEW MEXICO ON DECEMBER 10th, 1936.

MEMBERS PRESENT:

T. J. Slavik Lloyd L. Gray G. S. Bays M, Albertson F. E. Heath J. P. Cusack E. A. Wahlstrom Glenn Bish R. L. Johnston P. M. Colliston James Murray, Sr. B. A. Bowers W. E. Hubbard G. L. Shoemaker L. W. Biddick A. A. Kemmitz R. H. Wells J. W. Jordan Jack H. Renkin C. B. Williams D. D. Bedie W. E. Cunningham Luther A. Real Lee R. Manning Ernest A. Hanson Harvey Rardison Lucius M. Lemar R. S. Christie C. N. Hillikan Edgar Kraus Herman R. Crile F. J. Vesely J. N. Dunlavey

Gulf Oil Corp. Gulf Gil Corp. Stanolind 011 & Cas Co. Shell Petroleum Corp. Sun Cil Company J. P. Cusack, Inc. Ohio Oil Co. Continental Oil Co. Continental Oil Co. A. P. Correspondent Walker Oil Corp. Humble Oil & Refining Co. Shell Pet. Corp. Samedan Samedan State Geologist Repollo Oil Co. Repollo 011 Co. The Texas Co. Empire Oil & Ref. Co. Oil Well Drilling Co. Landreth Production Comp. Geo. F. Getty Oil Co. U. S. Geological Survey The California Co. The California Co. Amerada Petroleum Corp. Amerada Petroleum Corp. Atlantic Refining Co. Oil Well Drilling Co. State of New Mexico Skelly 011 Co.

Mr. McCorkle asked Mr. Hubbard to preside, minutes of the last meeting read and accepted as read.

Mr. Hubbard:

You have had the expense report, that would take the place of any treasurer's report. That is the only report on finances ever had.

Any reports of standing committees and special committees?

As you know, every year the Hobbs Agreement must be signed again if to remain in effect. That time is now here. I would like to throw the whole subject open to discussion. Sincerely hope we can adjust any difficulties we have. I will entertain any motions or discussions you Gentleman may desire.

Mr. McCorkle:

I want to say I have here a copy of the two plans that were circulated last year. I can give each operator a copy if they would

like to see them.

(Mr. McCorkle distributes agreements.)

Mr. Hubbard:

Anybody here who wishes to make any statement concerning either of these plans or any other plan acceptable for the coming year?

Mr. Wahlstron:

As far as Stanolind is concerned, not necessary to say enything. We are consistant not to see potentials used in any plan in the Hobbs peol.

Mr. Eubbard:

You have any specific plan in mind?

Mr. Sahlatrom:

Not particularly no.

Mr. Bubbard:

Think it might be well for discussion on that point. Rather an important step. Have you any ideas on the subject, Mr. Gray?

Mr. Gray:

No, I haven't. Not very much to discuss until something put on the board as evidence that the plan should be changed. We have been going along five and ore -half years operating on the present plan. It is rather a major step to jump from that to any other. Must have something to shoot at before I could discuss it.

Mr. Hubbard:

It might be well to make a discussion revolve around some definite point, have someone make a motion concerning the recommended plan for 1937. Then we could have general discussion.

Mr. Wahlstrom:

I make a motion the Hobbs Operators adopt an screage plan of provation presented.

Hr. Bowers:

Second the motion.

Mr. Hubbard:

The motion is now open for discussion.

Mr. Cusack:

Put to a vote first as to sentiment.

Mr. Hubbard:

Have discussion first. After voted on, no discussion submitted.

Mr. Albertson:

I would like to ask Mr. Wahlstrom whether he would outline the reasons which indicate to him the acreage plan is more reasonable, equitable, and desirable than the present plan.

Mr. Wahlstrom:

Would requise the operators here to check back into the records of hearings held before the Commission in regard to the fields. There is no mention made of potentials in any of these hearings. No company requested consideration of potentials in any form in other fields in Lea County. At the present time there are two standards of proration in the Lea County fields, Potential at Hobbs and acreage in the other pools. Operators should get a system and accept one or the other in all fields.

Mr. Bodie:

Isn't it true the other fields have more similarity between themselves they do in regard to the Hobbs Pool. Isn't it true all wells of the other fields prorated principally on well acreage basis alone, more or less have uniform potentials close together?

Mr. Wahlstrom:

I don't believe that is true.

Mr. Heath:

when we consider the question before us, we cannot afford to pass on without consideration of what was behind us in this particular field. The time we first had proration in the Hobbs field, no company or individual felt the acreage system of proration a proper system.

We set up the system here, operated under it and controlled the field, which is today one of the outstanding fields as far as conservation and progress is concerned. I believe it might be quite valuable for all of us to consider that certain equities have been established under

this method, royalty owners receive royalties under this method. A great deal of questions and troubles arise from any drastic change as a complete removal of the present plan and the adoption of a new plan. Should very carefully consider any step from the present plan or any large step away from it. I feel if at this meeting, if we find we cannot agree, it would be well for us not to try to settle it here, but go at it on a proper basis and see after analysis of the matter very carefully we cannot agree on some plan.

Mr. Hubbard:

Will ask Mr. Milligan if he cares to make a statement concorning this matter.

Mr. Milligan:

The only objection in continuing the present plan in question is it is inconsistent to the rest of Lea County, but so far as I know there is no State in the country that has followed any particularly consistent rule on establishing the equalization of various pools and distribution within the various pools on one common basis, even as closely as here.

I think the fact you have an established method here, I don't see a thing wrong with the method, I think had the other pools been brought in and had to be provated at the time of the Hobbs Pool, I think that would have been some system similar to the Hobbs Pool.

As far as the potential factor is concerned, have and still feel the potential factor comes nearer to approaching an equitable basis of provetion. I have not held to the potential method in other fields of the State of New Mexico, no because I did not feel it right, but rather because of the abuses of the wells to obtain better potentials, and therefore perhaps from an equity stand, inequitable potentials. To put that potential method similar to Hobbs into effect in new pools under development would probably result in a waste which ultimately would be a greater proportion than the weste involved under a potential method, which would probably bring to ultimate recovery a better relationship between units of the fields.

Hobbs was developed in most part at a time when we either did

not know how or did not take advantage, if we did know, of means of stablishing such inequitable potentials, and there are some later wells which have probably lost. But all in all not a major portion of the field by any means, and while it brings in a certain amount of inequitable proration, it is less than changing the present proration inequitable proration, it is less than changing the present proration method to the same basis established in the rest of the pools in Lea

I think a study of the bistory of the pressures primarily have shown that the units of low capability produced, generally speaking, have had greater withdrawal than apportionate reserves as evidenced by the pressure.

Some two years ago, we put into Hobbs bottom hole pressure adjustments and those pressure adjustments of potentials both ways, which is on resulted in larger adjustments of potentials both ways, which is on the same theory in Hobbs as we had in effect in Monument field at the pressure present time, and since we have put in that bottom hole pressure adjustment, there has been less divergents between low potential units adjustment, there has been less divergents between low potential units and high potential units, as class individual. Exceptions both ways, and high potential units, as class individual. Exceptions both ways, but less divergent than those existed to the time bottom hole pressure put into adjustment.

It may be we want to change the method of adjustment, either up or down, perhaps some other things to bring better equity, and by looking over the condition of the field as a whole, it seems to me the field is in excellent condition from a conservation standpoint, at the present time, as a result of the progress of the present proration agreement, and while we have no specific evidence as to what would ahppen to the condition of the pool if we make a major change in the proceding agreement and allocation method, I think from the history we have had agreement and allocation method, I think from the history we have had from various conditions in other fields that would be comparable to Hobbs, the evidence is in favor that we would upset the equilibrium much more in making a major change in the agreement as suggested than we would by maintaining the present allocation system.

Mr. Hubbard:

Mr. Milligan;

Don't know anything else to say.

Mr. Bodies

The matter of acreage now would very likely under what we have done during the past to establish equal bottom hole pressures.

Mr. Dewey!

I went Mr. Wahlstrom or Mr. Milligan to enlighten mc wasther either the operators or commission run any legal dangers on potentials due to the fact the only test case we have ever had on proration in New Mexico on the Hobbs Field, and am under the impression the case made upheld 75 potentials and 25 acreage, the case of the Stanolind in the Federal Court. Don't know what the legal implications are.

Mr. Lamar:

non't remember that case. The only standard in the law reasonable says the tendency of any plan shall be to give each operator his proportionate total recoverable oil there. As to each of these two plans giving the operator that, I den't know.

Mr. Dewey:

That decision was before the present law was placed on the Statute book.

Mr. Wahlstrom:

That was a drainage case. The proration features not defined.

The Stanolind did not get on the stand.

Mr. Lamar:

Mexico Commission acted on this metter under the present statute, it was purely a voluntary agreement, and by all of us signing the agreement through a course of several years, we may have assumed some legal responsibility to maintain a somewhat similar proposition in regard to the royalty owners. In other words, if we change around, what some royalty owners may pure up and say/about these past years. Before it was voluntary. Don't know the law, but it strikes me there is an element of danger in that.

Mr. Hubbard:

Tell me for point of information whether two plans that aren't wholly dissimilar could both be called reasonable by the Court?

Mr. Lemer:

Yes, no question about that. The Commission can adopt one reasonable plan in Monument and another in Hobbs and still another for Jal. Thinks are not so completely sut and dried that you cannot do that.

Mr. Hubbard:

Possibly would apply to plans in a single pool?

Mr. Lemari

Yes, I think so.

Mr. Hubbard:

In the case of Hobbs or Monument?

Mr. Lamar:

Yes.

Mr. Hubbard:

Any other discussion on this important question?

Mr. Bowers;

One point I want to bring out. Don't if anybody thought about it. The plan that was first used in Hobbs was conceived under the old idea or practice of Law of Capture. Had not heard anything about anything else and doubtless under that would consider the equity fair plan of arrangement in New Mexico. We have graduated from that and worked around to a view point more of an effort to locate the oil in place and there is a difference considering those plans under those two conceptions as I see it.

Mr. Hubbard:

Does that agree with your ideas, Mr. Lamar?

Mr. Lamar:

Don't know if the statement was to agree or not. There is a difference on the plan of allocation placed to two different theories. A pretty hard matter to draw the line.

Mr. Hubbard:

Designation of any ideas of two plans equally successful in business.

One man runs his business under one plan and runs it successfully and smother man runs his business under another plan, and there is a difference of the conception of oil recovered, whether making an effort to get the oil in place or following the old practice of getting all you can.

Mr. Wahlstrom:

The old agreement based entirely on law of capture and since new law enacted recoverable oil in place have two entirely different standards of proration than in the past.

Mr. Milligan:

Don't think that follows. Don't think that evidence a change is necessary. Under the so called system of law of capture which so far has not been drilled under a uniform method protected the best waknew how. We know to establish too great potential is running hazzard during completion and great expense. Running danger of bring wells too rapidly on to water or gas and other conditions familiar to all of us. Put those things into effect and we establish our allocation on basis of the capacity of the well to produce. Since then however with our conservation measures, they permit us to establish potential and when established determine the ultimate recovery from that unit by our practice even at Hobbs. What is the difference what we do to bring well on to water, drilling too deep or too much acid, we still get just as much oil, does not change potential.

con get oil out at the potential established at completion. It is not the fault of the potential method when applied to particularly new fields. The potential method not wrong, but the abuses of it result in excessive waste my under the whole potential method. It results in waste out of proportion of inequities established by allocation basis of potential.

Hobbs was developed at the time we did not have knowledge to take advantage of those things we are so prone to do to give us that unfair advantage relative to units at the present time, so I don't see that the Hobbs agreement which has been in effect and established and then the field developed under one condition, which condition of development is entirely different than that we had to go through in developing the other fields. If the same system of allocation used in the other fields as in Hobbs, certain amount in Hobbs due to recent development.

Mr. Rubberd:

Want to ask an Engineering question based strictly on waste. It is your opinion if the total outlet of the field were held down very low, it is possible that anyone of a great number of proration plans might satisfy the simple condition preventing waste?

Mr. Milligan:

Yes, with certain modifications, which are bound to come in.

Mr. Bowers:

I believe that is true. That is extremely true the rate of withdrawal is very slow if a very small percent of the field produce almost under any plan to eliminate waste. The total withdrawal of ordinary physical conditions of the field so slow and constant as not to trap oil at a later recoverable date.

Mr. Hubbard:

The reason I ask that is this. We have a great many pools in Texas where they apparently have considerable difficulty to prove underground waste in the field. In a great many cases, inequities very close but at the same time they cannot prove waste.

Mr. Milligan:

Mr. Bubbard:

Inequity in allocation but not weste. I think probably if we would go to the acreage plan, I don't know if it would create waste, but it would establish greater inequities to units than that which exists at the present time.

Any other discussion: Call for a question or discussion. Expect we have all forgotten the motion.

Mr. Williams:

One point. I agree in general with Mr. Milligen's discussion of the question that a radical change would cause some radical readjustments in the reservoir conditions and this matter of ratable takings or rate of recoverable oil in place is based on the pool being a common reservoir and our development of the Hobbs plan has heretofore been directed along that line to recover the proper amount of oil from the reservoir or the oil in place. That was the reason of course for adopting the bottom hole pressure correction to the potential factor, and as I understand it, the units in the field which would gain by changing now to the acreage plan have been penalized, as you might call it, due to that bottom hole pressure correction, and I am not sure what the bottom hole pressure/shows. I have not seen recent map. but I assume the continued drop in the bottom hole pressure wells on those units have reduced the allowables and if you increase the rate of taking from those units from that existing present plan, there would still be further and greater drop in the bottom hole pressures in those wells which would, in my opinion, tend to cause drainage to those units from higher pressure units, contrary to shooting it in our development heretofore, so that I think it would be dangerous to make & radical change unless we were very sure such a change would be directed toward equalizing or holding up bottom hole pressures in low pressure areas, rether than increasing the drop.

Another think I think should not be lost sight of which is this. That Hobbs, as we all agree, has been operated in a very efficient manner and I think this has been due to the cooperative action of operators in that pool. It seems to me the operators in the Hobbs pool made a wholehearted effort to conserve reserveir energy for the benefit of the pool as a whole then generally applies to oil fields all over. So I believe it is highly important if possible to do so, if we reach some unanimous agreement in order to continue the good work. I would very

would not be a unit agreement. I think another thing comes in along that line. The water encroschment has generally dome in on the South west portion of the pool, but nevertheless due to conservation efforts, wells which first started making water are still producing oil, and as yet we have not had any portion of that field flooded out and the wells lost.

we had one well which was among the first making water in a large persentage and that well by efforts of ourselves and others restrained the water and is now producing its allowable with a very small percentage of water, which possibly may be due to a slight leak in the packer.

Tested that packer several times but are not able to get complete shut off. That percentage has not increased and indicates it may be a slight leak. So I believe that any radical change in the method of provation in the handling of the pool might easily result in great danger of encroachment of the water that what we have now.

Mr. Eubbard:

wonder if it is the opinion of this group that it would be in order to have a test vote. Have had the question very well discussed I think certainly from both sides. We quite often, as you know, have test votes. Sometimes they show an impasse reached and another motion is in order. We have a motion before the house.

Mr. Lamer:

Want to ask Mr. Williams a question. Do you think the map units which have been situated under the present plan have perhaps gained a more healthy reservoir condition that lost?

Mr. Williams:

Complished under our present method of operating the field. In our own case, I believe there is no question that the cooperative efforts of operates to control the ges-oil ratio and control water benefited our lease. I think it must have benefited others who have had water encreachment.

Mr. Bowers:

I believe probably the greatest benefit had out of that plan is the benefits primarily accrued under the plan through this slow rate of withdrawal.

Mr. Hardison:

Has anyone said the present plan is inequitable as between units?

Mr. Hubbard:

I don't believe so

0.

Mr. Rankin:

We think the present plan is inequitable in resulting in withdrawals between units.

Mr. Wahlstrom:

The Stanolind believes they have not gotten their share of oil in place today.

Mr. Rankin:

Can Show you proof here.

Mr. Bowers:

ment by the operators and have met our requirements. Here not anything to kick about, but do want to go on record saying that for the lest two years, have been fully convinced that an acreage method of withdrawal is more equitable than the one in effect.

Mr. Hubbard:

Almost comes down to the question how the different members present are going to vote on this motion.

Mr. Kraus:

Not necessarily so. The the Atlantic. Our general conviction to restrict the production of fields, the acroage plan is more equitable, cheaper to operate and supervise and will give substantial equity, but in view of the fact that the Hobbs Agreement has been in force as long as it has and it seems to be the agreement under the old plan, we would probably vote to continue the present plan.

٠.

Mr. Lamar:

Want to point out in my opinion, acreage is a very large factor in the present plan, not only 25% straight factor and is ultimately one of the two elements in the potential factor. It is stated in the formula that the adoption of a unit is a certain size. Take an average potential. In case more than one well does not wally produce, the acreage is not considered, 75% factor, gives your very large total place of of acreage in the present plan.

Mr. Bowers:

Supposing a man had in East Texas a well drilled on a three acre tract, another man on a ten acre tract, and another 20 acre tract.

The potential under a plan 25-75 would allow him to produce twice as much as the man on the 20 acre tract. Would you feel that an equitable justification that ratio of production.

Er. Lamar:

Sure hate to get into East Texas. I made the assumption that ultimately applies in this situation to equal size of tracts.

Wr. Bowers:

There is a certain point where that is equitable. Fotential can throw your ratio of acreage completely out of kilter.

Mr. Gray:

In the Hobbs pool, we have established two pay scens in certail areas and in some three or four and in some five actual zones, all entirely separate from each other. In general, sells around each pool produce from one or occasionally two of those pays. Certain wells have pressure of approximately one thous and pounts. Other wells, incidently the one with one thousand potants is producing from one pay zone. Other wells producing from more than one pay zone the bottom hole pressure is thirteen hundred and some pounds open to three of the zones. The actual flowing pressure of the well with more than one zone open exceeds shut in pressure of the single sone. Under an acreege plan, both of those wells allowed the same insount of production. I cammot see how it is possible to keep drainages from one to another in that

condition where all allowed to produce the same amount.

Mr. Hubbard:

I would like to revert back to that statement of Mr. Lamar's. It is highly important and gives me an idea. It is conceivable that where specing restrictions such as only one well produce in forty acres. and it does because we have unit proration, it is conceivable that your 75 potential plus 25 acreage in Robbs can be looked upon A x P - A which conceivably might have more acreage in the formula than the API formula. We have a situation in West Texas the allowable we prorate on a potential basis and have a marginal lew acreage 50-50, that part gives potential approximately half the total allowable. Think that a very important point. I am not sure what I said about A x P - A is true, but it is a possibility.

Mr. Lamar:

Believe it is true.

Mr. Hubbard:

I would say so. Any more discussion? It might be well to have a vote on this motion if the group is resty for it. Don't want to cut down this discussion at all however.

Question.

Mr. Hubbard:

You have heard motion, botter vote down the list.

Amerada No. Atlantio No. Continental No. Empire no. Getty No. Gul1' No. Humble No. Landresth No. Magnolia

Not present Mid-Continent Not present

Ohio No.

	No.		
OII Well	Y08•		
Repollo	No•		
Semedan	Not voting		
Shell	No		
skelly	Ye5		
Stanolind	Ио		
Sun	Ио		
California	No .		
Texas	No •		
Texas & Pacific	Not Present.		
Tide Water	No.		
Twin-States-Sun	Yes.		
Halker			

Mr. Hubbard:

We have three yes, one not voting, one absent.

Went to make an explanation. We are evenly balanced on interests conserned and we would vote anyway necessary to make an unenimous plan.

Mr. Bodiel

Take that to mean to wote with the majority?

Mr. Al bertson:

No, reserving our vote for the moment.

Hubbard:

That motion has been killed, any other motions?

Mr. Williams!

How many voted no?

Have not figured the percent. That will be done. S eventeen voted no. The meeting is ready for another metion and discussion. Any Mr. Hubbard: statement enyone wishes to make about the course of this motion?

Mr. Milligan:

May I suggest the Stanolind have Mad their position clear,

but the Repollo stated their position quickly. Do you core to eleborate on it?

Mr. Rankin:

The Repollo favors any plan which does away entirely with potential, and takes the coronge factor as such as it can approaching one hundred percent.

Mr. Herdison:

For what reason?

Mr. Rankin;

The inequities existing between fields. We have several wells that have daily allowable for in excess of given potential.

Mr. Gray:

That would prove the other way. I don't think that is well founded engineering practice.

Mr. Milligan;

I don't quite get that.

Mr. Gray:

There are cestain wells in the field that have a daily allowable and can produce for in excess of the assigned potential due to the present plan in force. Wells have actual potential of several thousands of barrels per day.

Mr. Bowers:

On actual test can produce several barrels, and assigned much less.

Mr. Gray:

Fevor the use of bottom hole pressure for potentials.

Mr. Rankin:

We favor any plan that approaches 100% atraight acreage total against potentials of any kind.

Mr. Bayes:

There were seventeen operators voted for the continuation of the present plan, fourteen operators for material advantage and the other three have no material advantage.

Mr. Nubberdi

meeting was called, I believe to discuss whether or not the present plan be continued for another year, it might be well to have a motion on that particular point. It might be the voting would not quite agree with the voting on the first motion. Wonder if it would not be well to have that in a form of a motion.

Mo. Bowers

I make a motion that the old plan be continued for 1937.

Mr. Hubbard:

Have a notion that the present Hobbs plan be continued for 1937 for a test vote.

Mr. Biddick:

Second the motion.

Er. Bubbard:

A motion made and seconded that the present plan be continued.

Any discussion?

Mr. Hardison:

I believe it possible in a new plan adopted to take care of any inequities which may be caused by present method of barranting operations by bottom hele pressure. I believe that is the only thing holding upthe plan.

Mr. Hubberd:

Do you not feel it would be helpful to have this vote?

altr. Hardison:

I do. question.

Mr. Hubbard;

	Ameruda	Yes
	Atlantic	Yes
Con	Continental	Уов
	Empire	yes
	detty	yes
	Gulf	ves

Humble	Y es	
Landreath	Y 68	
Magnolia	po not care to vote	
Mid-Continent	Not present	
Ohio	Yes	
Oli Well	Yes	
Неро110	No.	
Samedan	Yes	
Shell	Yes	
Skelly	Yes	
Stenolind	No	
swn	Yes	
California	Yes	
Texas	Yes	
Texas-Pacific4	Yes	Id have voted for
Tide Water	Yea. This morning was	
	11-	

Kr. Rubbard:

Walker

This vote came out exactly the reverse order of the previous vote. We know at least how the group stands on this question. We have made some progress certainly. I think Mr. Hardison made a suggestion that possibly certain inequities of the present plan could and should be worked out by a different use of bottom hole pressure.

No.

Mr. Hardison:

I believe the present correction adopted two or three years ago at that time we folt that sooner or later there would be some inequities show up and we figured it would probably be necessary to make some changes in those corrections.

Mr. Bowere:

Did not you make a change last year in the factor applicable to bottom hale ressures?

Ur. Hankin:

Ohanged from 1000 lbs. to 2/3

Mr. Milligan:

Reduced adjustment a little.

Mr. Hardison:

Mo doubt by changing that some equitable correction could be made in wiping potentions out entirely.

Mr. Rankin:

Regardless of how we reduce this reduction, we still have these old potentials established during the years have not declined, and seems that they should be.

Dr. Wells made a statement off the gooord.

ur. Hubbard i

I wonder if there is a possibility of reconciling our differences here as there are a vew voted no on the second motion. There are three nos to second motion and three yes on first notion. Would like to ask in turn these the voted no on the second motion if they feel from what they have heard this morning whether or not there is a possibility of reconciling what differences we have hed this morning. The Stanolind?

Mr. McCorkle:

Mr. Wahlstrom is doing all the talking for the Standlind so far. We have in the past as the records show, never been in favor of the present plan, although we voted for it in the spirit of harmony. I would like to hear from Mr. Wahlstrom if he has any further remarks.

Mr. Wahlstrom:

I don't believe I have anything further to say. Definitely no. Mr. McCorkle:

He has stated already we were not in favor of the continuance of potentials in any form.

Mr. Hubbard:

Will ask Sinolair?

Mr. Rankin:

Not present.

Er. Hubbard:

Mr. Bewere?

Mr. Bowers:

Whenever an agreement can be reached, we will not block it. So long as there is a plan for straight acreage, expect to support it.

Mr. Hubbard:

There appears to be considerable portion of acreage in the Hobbs plan. Some opposed to the continuation of the use of potentials. Frankly, don't know what to do about it. You heard what Dr. Wells said on the question. That he will consider certainly a majority vote, but he cannot indicate what weight will be given to it. Womley if anybody has a suggestion what to do in this emergency. It seems to me to be somewhat serious.

W. Milliann;

Stanolind and Repollo are the principal opposers and wonder if either one or both are willing to discuss the thing further or present whether they want to sit on their present position and throw the thing before the Commission.

Mr. Hubbard;

Tried to bring that point out and it struck me they did not want potentials in the formula.

Mr. Milligan:

That may be. I may want 100% or are we willing to discuss it or sit tight on the two positions and take before the Commission. Stanolind and Repollo taking the position they do not want to discuss any further. That is one thing.

Mr. Rankin:

plan. However I think the reason for all discrepancies and various variation are due to the establishment of these potentials. I think any/plan that acreage should be given a great deal of consideration and potential no consideration.

Mr. Hubbard:

Can I intempret your remarks to mean you do not wish to continue the discussion as to whether or not potentials remain or that you are willing to discuss some other factor but in to take its place?

Mr. Rankin:

True.

Mr. McCorkle:

We agree with Mr. Rankin. We dislike being arbitrary or to take an arbitrary position but I feel Mr. Rankin has stated the position well.

Mr. Milligen:

Meither of you willing to discuss any agreement with anything about potentials in it?

Mr. Hubbard:

Yes. That enswers your question Mr. Milligan.

Mr. Cusesk:

If you eliminate potential, what other factor enters into it except acreage?

Mr. Hubbard:

Marginal factor, bottom hole pressure factor.

Mr. Cussek!

What would you apply bottom hole pressure factor in?

ur. Hubbard;

Probably by such engineering committee.

May I understand it is the wish of this group or not for the record to go to the Commission as made or does anybody feel we should have further discussion?

Mr. Lamar:

Is the plan which has so far been proposed identical to the one of last year?

Mr. McCorkle:

That is a copy of the present plan.

Mr. Lamar:

In the main, is the plan exactly the same or any changes. Wonder if it is necessary to prepare something for the Commission or do you want last year's plan?

Mr. Hubbard:

As I understand it, the exact, copy of the present plan.

Mr. Millikan:

Probably some minor changes if we were to continue the plan.

Mr. Hubbard:

Seems to me we have two courses open. Go on and discuss this matter or turn over this vote and record to the Commission for their decision. Anybody any motion to make in that regard in line with statements of the Sincleir and Stanolind?

Mr. Kraus;

In view of the success in prorating Hobbs field in the past with a voluntary agreement approved by the Commission and in view of possible changes in the Administration this coming year, xxxxxxxxxxxx that the operators attempt first to reach an agreement that will be unanimous and present such unanimous agreement to the Commission rather than go before the Commission as a divided body.

Mr. Bowers:

Second.

Mr. Hubbard:

You have heard the mution made and seconded, any discussion?

That is your idea, form a group committee to try to reach some agreement or thrashing out the trouble here as we did before going before the Commission.

Mr. Hardison:

We have a definite statement that two operators would not consider anything other than straight acreage with bottom hole pressure correction.

Mr. McCorkle:

We would not consider any potential.

Mr. Hubbard:

Taken strictly on bettom hole pressure marginal allowance.

Mr. Hardison:

Marginal allowance practically the same as acreage. Seems to me that is the use of having units.

Mr. Hubbard:

That is true.

Mr. Rankin:

I think taking the factor of bottom hole pressure, if we made corrections in a small degree with bottom hole pressures, you will get the factor of ultimate recovery on time.

kr. Eubberd:

Gentlemen, we have this motion. I don't think we have discussed everything in commection with this question. Would like to ask Repollo and Stanolind if they would object to discussing it some more.

Stanolind and Repollo do not object.

Motion carried.

Mr. Eubbard:

Leaves wide open for further discussion. There are other factors that can be used.

Mr. Hardison:

Could we recess?

Mr. Lamer:

Move we recess until 2:00 o'clock.

Mr. Renkin:

Second.

Motion carried.

Meeting called to order at 2:15 P.M.

Mr. Hubbard:

I would like to say this, I believe the oil industry or any portion of the oil industry should be able to manage itself in its business if possible. Of course with that in view, we are having further session this afternoon. You recall some progress was made this morning. We found out where we stood and what the differences are. This afternoon, I do hope some real progress may be made in working out a satisfactory solution to this. May be in the form of some kind of a compromise. Don't know how it would be done. The chair is open to any suggestions anyone might offer.

Mr. Albertson:

I make a motion the chairman appoint a committee of three.

This committee to canvass the situation and see whether anything can be worked out acceptable to the entire group. This committee to be chosen of the companies who neither gain nor lose with either the agreege or potential plan.

Mr. Kraus:

I think something that not accurate. Wells have interest that do not appear. For example, the Atlantic has an interest in the Ohio wells.

Mr. Sandersont

Some of us here now that were not here this morning. Would you briefly outline the results of this morning?

Mr. Hubbard:

First had motion to the effect that the Hobbs plan for 1937 should ignore potential and be based upon acreage with not the intention necessary to have acreage alone. No potential used in proration formula. After a great deal of discussion a vote was taken and there were three in favor of the motion, one not voting, seventeen opposed. When that motion was out of the way, a second motion was made to the effect that the present Hobbs Agreement or plan 2-A should be adopted for 1937 and the vote for that was the exact reverse of the first motion. Seventeen in favor, three opposed, one not voting. Also in each case, three not present. That is about the position at which we clossed at noon. Would like to say Dr. Wells made a statement to the effect, off the secord, that the Commission might or might not insist upon a hundred percent majority for any plan the operators offered. In other words, the Commission is not necessarily bound by law to accept any plan because it was 100 percent from the operators. We closed at noon at substantially that position. Finally a motion was passed to the effect we would continue this afternoon with more discussion with the attempt to find some way out of the driver. The Sinclair and Stanclind expressed themselves very clear to the effect that they would not enter into a discussion if the use of potentials in the formula was to be considered.

That is the situation we are in now.

You heard Mr. Albertson's motion, is there a second to it?

Mr. Lamar:

Second.

Mr. Hubbard!

I take that to mean that a committee of three be appointed and they will approach the Stanolind and the Sinclair in a small group and discuss the whole matter.

Mr. Albertson:

Their obligation to canvass the situation to see whether a means can be found to get a hundred percent agreement.

Mr. Hubbard:

I am sure we could get an unbiased committee and it might expedite matters. Have the committee report back here say four o'clock. Wonder if it is all right with Stanolind or Repollo to enter into a discussion?

Mr. McCorklet

O.K. with Stanolind.

Mr. Hubberd:

Mr. McCorkle, I wonder this, if at that meeting you would be disposed to have Mr. Wahlstrom simply show what your position is in regard to your appraent loses under the present system. Not with the idea of furnishing amunition to some other camp.

Mr. McCorkle:

I feel such information that we have all the other operators should have. They have been getting our records from the Hobbs Umpire office.

Mr. Hubbard:

I don't think the situation is entirely hopeless. If this committee were to ask specific questions, you could answer them or not as you chose and I don't see how it could not be information for that particular committee alone.

Mr. McCorkle:

I feel our position on this matter has been consistent for a number of years.

Mr. Hubbard!

True:

we certainly don't like to take an arbitrary position, neither Mr. Macorkie! do we want to embarrass the Commission, but we have made our thoughts along this line known a number of years.

Mr. Williams!

Questien.

Kr. Bubberei

You have heard the motion made and seconded, all in favor say

yes.

If you vote for this motion, it does not indicate you are Mr . Sanderson: binding yourself to egree to the findings of the committee?

Rr. Albertson:

The Committee will report back to the general group.

Seems there might be some little thing ironed out very quickly Mr. Hubbard: while it would take all afternoon in a group like this. All in favor may T05.

Motion carried.

I expect that should close the matter for the time being. We Mr. Hubberd! all perhaps need to put more study on the question. Might have to have a little help in getting this committee. On this committee I would like to appoint

Make a motion the chair adjourn this meeting and the committee Mr. Heath: will be notified.

Mr. Hubbard:

Meeting adjourned until 4:30%. 11.

Mr. Sandersont

We are very seriously involved in this matter and don't know if our position is understood.

matter and it goes without saying that we are for potential and for the present basis. As I say, we have attempted to find the correct answer forthis problem. In investigating, we find with this proration on one hundred percent acreage basis, which I understand is one of the plans presented this morning, provides that sixty-five percent of the wells, whose allowable would be increased by this new plan, would be wells which are now producing from one zone in the field. We know we have two definite zones and perhaps three producing zones in the major part of the field.

It seems to us unfair and inequitable to arbitrarily assign the same allowable to wells producing in one zone in this field as wells producing in two or three. We find in terms of barrels increase that under the acreage plan, 88% increase would occur to wells which are producing from the single zone.

of the wells in the areas which have bottom hole pressure of less than the average bottom hole pressure would be increased under the acreage plan and only 22% lose. We feel to increase these wells that now have less than average bottom hole pressure for the field would result in additional case coming out of solution and in the end would result in waste, which would be contrary to the law and conservation.

We also feel to increase the allowable from wells that now have bottom hole pressure less than the average, would also cause drainage across boundary lines which we think also would be unfair. We think also it would increase the fingering of water which would not be to the best interests of the field.

For these receases we feel very strongly the potential factor we now have should be continued. I make this statement so you know our position in the matter.

Mr. Hubbard:

Thank you Mr. Sanderson.

Mr. Eubbard:

Mr. Hubbard called meeting to order at 4:30. I believe the committee is ready to report.

Mr. Krausi

A committee consisting of myself, Mr. Albertson and Mr. Rowers met with the Stanolind and Repollo representatives, and we found no basis of agreement acceptable. No plan found at the time to be presented which would meet with the unchimous consent of all operators. The Committee therefore can report nothing but failure to bring about any compromise or modification. Can only recommend therefore, if thought advisable, that the voting and discussion of this general group be made known to the Commission. Other then that, no report.

Would you make that in a form of a motion, nothing more be ur. Hubbard: done by this group except report the procedure of the day to the Commission.

Move in view of the findings of the committee that the operators ir. Kraus! here assembled make no further attempt to present an unanimous agreement on Hobbs preration to the Oil Conservation Commission.

Amend that, we present as a majority agreement for the Commis-Bodie: sion the present agreement.

Mr. Kraus:

would not be agreement but plan approved by the amjority.

Mr . Hubbard:

Mean by thet, give them results of votes this morning?

Included that in my recommendation in the motion. The accep-Mr. Kraua: terms of the report by the committee would automatically cause that to be done.

Mr. Lamar:

Suggest further amendment that the chairman prepare a memorandum in writing to the Commission very briefly stating the facts mentioned here as a result of the vote.

Mr. Williams:

Make a suggestion we have copy of the minutes of the meeting today. I would suggest the minutes of the meeting today be presented to the Commission to show what has been done.

Mr. Hubbard:

Would you wish to incorporate that in this particular motion.

Would/like that/amendment on a separate motion.

Mr. Williamsi

Rither way. Would like to have the Commission have the advantage of our discussion and that the minutes of the meeting today be given to the Commission for whatever consideration they want to give them.

Kr. Rubba rd:

Wonder if that is in such form if the motion be made with amendments. Somewhat indefinite now as to form.

Mr. Kraus;

Accept amendments.

Mr. Hardison:

The minutes of today's meeting would not be very connected because the discussion has been haphazzard and if presented should be proof read.

Mr. Hubbard:

We have a motion before us.

Dr. Wells:

Mr. Chairman, don't know whether I am being helpful or not. There is a hearing tomorrow before the Commission, end the Commission acts largely on the testimony presented at the regular hearing. That might be worthy of thought.

Mr. Kraus:

I would like to clear the record of all motions ande and start

over again with one single motion. I move that the report of the Committee be accepted.

Mr. Bodie:

Second the motion.

Motion carried.

Mr. Lamor;

Commission in as concrete form as possible the gist of what happened could be accomplished by a simple statement in writing by you stating the facts or supplemented with minutes of the meeting and in view of the difficulty of preparing the minutes, will offer my motion in this form. I move that the temporary acting chairman of this meeting be authorized to prepare a statement in writing showing the results of the votes on the two suggested plans this morning and stating that efforts were made to adjust the difficulties and these efforts were not successful and the temporary chairman present this motion to the Commission.

kir, Bodies

Second the motion.

Motion carried.

Mr. Hubbard:

I think that is about all.

ide. Williams:

borne in mind that heretofore this has been a cooperative agreement and if we continue this cooperative agreement, it would be quite in order to present the Commission a copy of the minutes of our meeting today showing the effort which has been made as shown by the minutes to arrive at some cooperative agreement. Seems to me if the Commission given only the votes, it would not give them as broad an aspect of the thing as they would get if they get the minutes if shown the reasons taken by different companies by these votes. They could hardly analyze these votes without the discussion. Make a motion a copy of the

minutes, after being read and shecked for errors, be presented as evidence at the hearing. You would have then prepared and offered into the records when prepared.

Dr. Wells:

knew a complete draft could not be ready by tomorrow. The Commission is more or less bound by the testimony presented at the hearing and testimony where the witnesses are sworn in. Certainly the Commission will be glad to have a transcript of these minutes. Want to make a further explanation of something mentioned this morning, as far as an unanimous agreement is concerned and other possibilities along that line. The Commission could approve or adopt an agreement that was agreed upon or a plan by the Operators and take as its own, and could say the Commission could adopt as its own with or without changes where as a majority or minority in that case, their own plan. There is nothing which says they cannot adopt as their own, one presented by operators.

Mr. Williams:

What I had more or less in mind was your statement this morning that the Commission would not necessarily require an unanimous agreement.

Mr. Bodie:

Second motion.

Mr. McCorkle:

It always has been customary to furnish the Commission with copies of things.

Motion cerried.

r. Hardison:

In Mr. Lamar's motion was it also included the presentation of the present plan?

. Eubbard:

No.

Hardison:

Should it be presented as evidence tomorrow, the old plan which we recommend the renewal of.

Mr. Hubbard:

That will probably be essential.

First tell the Commission what happened and second tell the Mr. Lamar! Commission which we as a majority would like them to do.

I will take it upon myself, if you think it necessary, that Mr. Hubbard! a copy of the present plan will be furnished to the Commission. Meeting adjourned.

ROSE M. KAEN Reporter.