

CASE 2968:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE



CASE No.
2968

Application,
TRANSCRIPTS,
SMALL Exhibits
ETC.

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 PURPOSE
OF CONSIDERING:

CASE NO. 2968
ORDER NO. R-2639

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CREATING, ABOLISHING, AND
EXTENDING CERTAIN POOLS IN
EDDY AND LEA COUNTIES, NEW
MEXICO.

*Setting Special
Vertical Limits,*

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on January 15, 1964, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this _____ day of January, 1964, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

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

✓ (2) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation of Lower Double A-Abo Pool. Said Lower Double A-Abo Pool was discovered by Sunray DX Oil Company, State X No. 1, located in ~~the NE 1/4~~, Unit B of Section 20, Township 17 South, Range 36 East, NMPM. It was completed in Abo on December 27, 1960. The top of perforations is 9002 feet. The special vertical limits are described as being from a point 80 feet below top of Abo detritus at 8970 feet (-5084 ss) to the base of Abo. The type log is Sunray DX Oil Company's State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

✓ (3) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation of Upper Double A-Abo Pool. Said Upper Double A-Abo Pool was discovered by Aztec Oil & Gas Company, State VA No. 1, located in ~~the NE 1/4~~, Unit H of Section 20, Township 17 South, Range 36 East, NMPM. It was completed in Abo (reef) on September 2, 1961. The top of perforations is 9177 feet. The special vertical limits are described as being from top of the Abo Detritus at 8890 feet (-5004 ss) to a point 80 feet below the top of the Abo Detritus at 8970 feet (-5084 ss). The type log is Sunray DX Oil Company's State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

✓ (4) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Gladiola-San Andres Pool. Said Gladiola-San Andres Pool was discovered by Pan American Petroleum Corporation, Lois Wingerd No. 7, located in ~~the NE 1/4~~, Unit H of Section 24, Township 12 South, Range 37 East, NMPM. It was completed in San Andres on October 11, 1963. The top of perforations is 5104 feet.

✓ (5) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation of West Jal-Delaware Pool. Said West Jal-Delaware Pool was discovered by Skelly Oil Company, West Jal A No. 1, located in ~~the SW 1/4~~, Unit K of Section 21, Township 25 South, Range 36 East, NMPM. It was completed in Delaware on October 6, 1963. The top of perforations is 7510 feet.

✓ (6) That there is need for the abolishment of the Double A-Abo Pool in Lea County, New Mexico, in order to form two separate pools from said Double A-Abo

of different vertical limits

Pool. Portion of abolished acreage will create Lower Double A-Abo Pool and a portion will create Upper Double A-Abo Pool.

the proposed
(7) That ~~there is need for the~~ abolishment of the Weir-Tubb Gas Pool in Lea County, New Mexico, because said pool is contiguous with Monument-Tubb Pool, ~~be~~ *and OOR's have dropped; therefore, wells should be placed in an oil pool.* Abolished acreage to be extended to Monument-Tubb Pool. ~~Dismissed pending further study.~~

(8) That there is need for the consolidation of the Hepe-Strawn Gas Pool and the South Hepe-Strawn Gas Pool, Eddy County, New Mexico, inasmuch as the pools produce from the same formation and the horizontal area of the Hepe-Strawn Gas Pool is contained in the South Hepe-Strawn Gas Pool. Said consolidation to be accomplished by the abolishment of the Hepe-Strawn Gas Pool

(9) That there is need for certain extensions to the Drinkard Pool, the Inbe-Pennsylvanian Pool, the North Justis-Tubb-Drinkard Pool, the Lea-Devonian Pool, the Lea-Pennsylvanian Gas Pool, ~~the Monument-Tubb Pool~~, the Oil Center-Blinebry Pool, the Vacuum-Abo Reef Pool, the Vacuum-Blinebry Pool, the Vacuum-Wolfcamp Pool, and the Weir-Blinebry Pool, all in Lea County, New Mexico. Further, *that the proposed extension to the Monument-Tubb Pool in Lea County,*
IT IS THEREFORE ORDERED: *New Mexico, should be dismissed pending further study.*

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, is hereby created and designated as the Lower Double A-Abo Pool, with special vertical limits described as being from a point 80 feet below the top of Abo detritus at 8970 feet (-5084 ss) to the base of Abo. Type Log: Sunray DX Oil Company, State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM. Said Lower Double A-Abo Pool is designated as consisting of the following described area:

See attached note for paragraphs (a) & (b)
TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: N/2

(b) That a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, is hereby created and designated as the Upper Double A-Abo Pool, with special vertical limits described as being from the top of Abo Detritus at 8890 feet (-5004 ss) to a point 80 feet below the top of Abo Detritus at 8970 feet (-5084 ss). Type Log: Sunray DX Oil Company, State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM. Said Upper Double A-Abo Pool is designated as consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: N/2
SECTION 21: W/2 NW/4

(c) That a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production, is hereby created and designated as the Gladiola-San Andres Pool, consisting of the following described area:

✓ TOWNSHIP 12 SOUTH, RANGE 37 EAST, NMPM
SECTION 24: NE/4

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Delaware production, is hereby created and designated as the West Jal-Delaware Pool, consisting of the following described area:

✓ TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM
SECTION 21: SW/4

(e) That the Double A-Abo Pool in Lea County, New Mexico, consisting of the following described area:

✓ TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: NE/4 and S/2 NW/4
SECTION 21: NW/4

is hereby abolished.

proposed abolishment of the
(f) That the Weir-Tubb Gas Pool in Lea County, New Mexico, consisting of the following described area:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
SECTION 15: SE/4 and E/2 SW/4

dismissed
is hereby ~~abolished~~.

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, is hereby created and designated as the Lower Double A - Abo Pool, consisting of the following described area:

Township 17 South, Range 36 East, NMPM.

Section 20: N/2

8970 feet (-5084 ss),
Special vertical limits, Top pool at 80 feet below the top of Abo detritus, bottom pool at base of Abo. Type log: Sunray DX Oil Company, State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

(b) That a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, is hereby created and designated as the Upper Double A - Abo Pool, consisting of the following described area:

Township 17 South, Range 36 East, NMPM.

Section 20: N/2

Section 21: W/2 NW/4.

Special vertical limits, Top pool at 8890 feet (-5004 ss), top of Abo detritus, bottom pool, 8970 feet (-5084 ss). Type log: Sunray DX Oil Company, State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

(g) That the Drinkard Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 4: Lot 9

(h) That the Inbe-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 12: NE/4

✓ TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: W/2 W/2
SECTION 18: W/2 SW/4

(i) That the North Justis Tubb-Drinkard Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
SECTION 11: NE/4

(j) That the Lea-Devonian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 13: SW/4

(k) That the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 13: SW/4

(l) That the Monument-Tubb Pool in Lea County, New Mexico, as heretofore classified, defined, and described, ~~is hereby extended~~ to include therein:

proposed extension to the
TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
is hereby dismissed SECTION 15: SE/4

(m) That the Oil Center-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
SECTION 3: Lots 5 and 6 and SE/4
SECTION 10: NE/4

(n) That the Vacuum-Abo Reef Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 11: NW/4
SECTION 12: NE/4 SW/4 and S/2 SW/4

(o) That the Vacuum-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 25: SE/4
SECTION 36: E/2

(p) That the Vacuum-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 25: SE/4
SECTION 36: NE/4

✓ TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 1: N/2

(q) That the Weir-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
SECTION 15: NE/4

(r) That the Hope-Strawn Gas Pool in Eddy County, New Mexico, consisting of the following described area:

✓ TOWNSHIP 18 SOUTH, RANGE 23 EAST, NMPM
SECTION 30: All

is hereby abolished.

IT IS FURTHER ORDERED:

✓ That the effective date of this order and all creations, abolishments, special vertical limits, and extensions included herein shall be February 1, 1964.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

E. S. Walker, Member

A. L. Porter, Jr., Member & Secretary

S E A L

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
January 15, 1964

REGULAR HEARING

IN THE MATTER OF:

The Application of the Oil Conservation
Commission of New Mexico upon its own
motion for an order for the creation of
certain new pools and for the abolishment and
extension of certain existing pools in
Lea County, New Mexico

Case No. 2968

BEFORE: Honorable Jack M. Campbell, Governor
E. S. (Johnnie) Walker, Land Commissioner
A. L. (Pete) Porter, Secretary-Director

TRANSCRIPT OF HEARING



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
January 15, 1964

REGULAR HEARING

IN THE MATTER OF:

The application of the Oil Conservation
Commission of New Mexico upon its own
motion for an order for the creation of
certain new pools and for the abolishment
and extension of certain existing pools
in Lea County, New Mexico.

CASE NO. 2968

BEFORE: Honorable Jack M. Campbell, Governor
E. S. (Johnnie) Walker, Land Commissioner
A. L. (Pete) Porter, Secretary-Director

TRANSCRIPT OF HEARING

MR. PORTER: The hearing will come to order, please.
The Commission is going to take up first this morning Case 2968.

MR. DURRETT: Southeastern New Mexico nomenclature case.

(Witness sworn)

JOE D. RAMEY

called as a witness herein, having been first duly sworn, was
examined and testified as follows:



DIRECT EXAMINATION

BY MR. DURRETT:

Q Will you please state your name and position for the record?

A Joe D. Ramey, Supervisor for the New Mexico Oil Conservation Commission.

Q Mr. Ramey, is Lea County, New Mexico within your jurisdiction and district?

A Yes, it is.

Q Are you prepared to make recommendations to the Commission today concerning nomenclature designations in Lea County, New Mexico?

A Yes. Lea County, and I think there is some Eddy County, New Mexico here, too.

Q All right, sir. Have you prepared your recommendation in the form of an exhibit?

A Yes, I have.

Q How is that marked?

A Southeast Nomenclature Exhibit One.

Q Exhibit One. Would you please refer to that exhibit and to the docket that has been printed and distributed here today and make your recommendation to the commission?

A The exhibit conforms to the docket with the exception of we want to dismiss paragraphs "F" and "L", and we have an addition to Paragraph "H" in Township 11 South, Range 34 East,

DEARNLEY, MEIER, WILKINS and CROWNOVER

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Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6601



Section 18, the West Half of the Southwest Quarter.

In Paragraph "M", we have an addition in Township 21 South, Range 36 East, Section 3, Lots Five and Six, and the Southeast Quarter.

Q Now, Mr. Ramey, is that the Oil Center-Blinebry Pool that you are referring to there?

A Yes. And in Paragraph "P", the Vacuum-Wolfcamp Pool, we have in Township 17 South, Range 34 East, Section 25, the Southeast Quarter. And in Township 18 South, Range 34 East, Section One, the Northeast Quarter. And the rest is as printed on the docket.

Q Now, Mr. Ramey, am I correct, that you desire to dismiss Paragraphs "F" and "L"?

A "F" and "L", yes, sir.

Q Is your reason for desiring to dismiss these paragraphs that you desire to give these two pools more study at this time?

A Yes.

Q Are you contemplating possibly bringing up these at a later date?

A The operators involved, or one of the operators involved, has indicated they will request a hearing for special pool rules in this area, and if they don't, why, we might readvertise.

MR. DURRETT: Thank you. If the Commission please, I would like to move at this time to dismiss Paragraphs "F" and "L" of Exhibit One in this case. And that concludes my examination of



Mr. Ramey. I would like to move the introduction of Exhibit One.

MR. PORTER: Without objection, the exhibit will be admitted.

(Whereupon, the exhibit was admitted into evidence as Southeast Nomenclature Exhibit One.)

MR. PORTER: Mr. Ramey, when you referred to the operators, the possibility of the operators asking for special pool rules, were you talking about the Monument-Tubb Pool?

A Yes. Would be the weir-Tubb Gas Pool and the Monument-Tubb Oil Pool. Those will probably be combined into one pool.

MR. PORTER: I see. The Commission will dismiss Paragraphs "F" and "L", and take the balance of Case 2968 under advisement.

* * * * *



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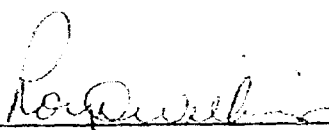
Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691

STATE OF NEW MEXICO X

COUNTY OF BERNALILLO X

I, ROY D. WILKINS, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal of Office, this 15th day of January, 1964.


NOTARY PUBLIC

My Commission Expires:

September 6, 1967.



BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE PETITION
FILED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

Case No. 1073
Order No. K-2894
IN REPLY

APPLICATION OF MURRAY OIL COMPANY
FOR THE CREATION OF A STRAWN GAS POOL,
AND FOR SPECIAL TEMPORARY POOL RULES,
BDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 30, 1963, at Santa Fe, New Mexico, before Daniel S. Sutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

His, on this _____ day of November, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Sutter, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Murray Oil Company, seeks the creation of a new gas pool for strawn production and the promulgation of temporary special rules and regulations governing said pool, including provisions for 640-acre spacing units and limited well locations.

(3) That a new gas pool for strawn production should be created and designated the South Hope-Strawn Gas Pool; that said pool was discovered by the Murray Oil Company New Mexico State "A" Well No. 1, located in Unit K of Section 30, Township 10 South, Range 23 East, BDDY County, New Mexico.

(4) That in order to prevent the economic loss caused by the drilling of unnecessary wells, to avoid the concentration of risk arising from the drilling of an excessive number of wells,

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Order No. 7975
Order No. 8-1598

to prevent reduced recovery which might result from the drilling of too few wells, and to otherwise prevent waste and protect correlative rights, temporary special rules and regulations providing for 640-acre spacing units should be promulgated for the South Hope-Strawn Gas Pool.

(5) That the temporary special rules and regulations should provide for limited well locations in order to ensure orderly development of the pool and protect correlative rights.

(6) That special rules and regulations should be established for a temporary period to expire one year from the date that a pipeline connection is first obtained for a well in the pool; that during this temporary period all operators in the subject pool should gather all available information relative to drainage and recoverable reserves.

(7) That this case should be reopened at an examiner hearing one year from the date that a pipeline connection is first obtained for a well in the South Hope-Strawn Gas Pool, at which time the operators in the subject pool should appear and show cause why the South Hope-Strawn Gas Pool should not be developed on 160-acre spacing units.

(8) That the first operator to obtain a pipeline connection for a well in the South Hope-Strawn Gas Pool should notify the Commission in writing of such fact, and that the Commission should thereupon issue a supplemental order designating an exact date for reopening this case.

IT IS THEREFORE ORDERED:

(1) That a new pool in Sddy county, New Mexico, classified as a gas pool for strawn production is hereby created and designated the South Hope-Strawn Gas Pool, consisting of the following-described areas:

TOWNSHIP 18 NORTH, RANGE 21 EAST, MERIDIAN
Section 25: All
Section 26: All

TOWNSHIP 18 NORTH, RANGE 21 EAST, MERIDIAN
Section 30: All
Section 31: All

(2) That special rules and regulations for the South Hope-Strawn Gas Pool are hereby promulgated as follows, effective December 1, 1963.

1. The applicant shall submit a plan of the proposed unit, showing the location of the unit, the nature of the work to be done, and the estimated cost of the work.

2. The applicant shall submit a statement of the estimated cost of the proposed unit, showing the cost of the materials, the cost of the labor, and the cost of the overhead.

3. The applicant shall submit a statement of the estimated cost of the proposed unit, showing the cost of the materials, the cost of the labor, and the cost of the overhead.

4. The applicant shall submit a statement of the estimated cost of the proposed unit, showing the cost of the materials, the cost of the labor, and the cost of the overhead.

5. The applicant shall submit a statement of the estimated cost of the proposed unit, showing the cost of the materials, the cost of the labor, and the cost of the overhead.

- (a) The non-standard unit consists of a group of standard sections of iron pipe, each of which is of a different length, and which are joined together by a common coupling.
- (b) The non-standard unit is a single section of iron pipe, which is of a different length, and which is joined to a standard unit by a common coupling.
- (c) The applicant presents a statement of the estimated cost of the proposed unit, showing the cost of the materials, the cost of the labor, and the cost of the overhead.
- (d) In lieu of paragraph (c) of this rule, the applicant may furnish proof to the effect that all of the standard sections, when installed by registered or certified welders, will be found to form such non-standard unit. The Secretary-Director may approve the application if no such objection has been entered in objection to the formation of such non-standard unit within 60 days after the Secretary-Director has received the application.

When well completed or completed in the South Hope-stream Gas Pool shall be located no nearer than 1500 feet to the outer boundary of the section and no nearer than 100 feet to any governmental quarter-quarter section line.

Rule 5. The Secretary-Director may go to an exception to the requirements of Rule 4 without notice and hearing when an application has been filed for an unorthodox location necessitated by topographical conditions or the resumption of a well previously drilled to another horizon. All operators offsetting the proposed unorthodox location shall be notified of the application by registered or certified mail, and the application shall state that such notice has been furnished. The Secretary-Director may approve the application upon receipt of written waivers from all offset operators or if no offset operator has entered an objection to the unorthodox location within 10 days after the Secretary-Director has received the application.

IT IS FURTHER ORDERED:

(1) That any well presently drilling to or completed in the stream formation within the South Hope-stream Gas Pool or within one mile of the South Hope-stream Gas Pool that will not comply with the well location requirements of Rule 4 is hereby granted an exception to the requirements of said rule. The operator of any such well shall notify the Article District Office of the Commission in writing of the name and location of the well on or before December 1, 1933.

(2) That any operator desiring to dedicate 640 acres to a well presently drilling to or completed in the South Hope-stream Gas Pool shall file a new Form C-126 with the Commission on or before December 1, 1933.

(3) That this case shall be reopened at an examiner hearing one year from the date that a pipeline connection is first obtained for a well in the South Hope-stream Gas Pool, at which time the operators in the subject pool may appear and show cause why the South Hope-stream Gas Pool should not be developed on 160-acre location units.

(4) That the first operator to obtain a pipeline connection for a well in the South Hope-stream Gas Pool shall notify the Commission in writing of such fact, and that the Commission will thereupon issue a supplemental order designating an exact date for reopening this case.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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CASE NO. 2925
Order No. R-2598

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. GIBBONS, Chairman

R. L. WALSH, Member

H. H. FORTNER, Jr., Secretary & Treasurer

C E A L

OK/

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 PURPOSE
OF CONSIDERING:

CASE NO. 2832
ORDER NO. R-2507

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CREATING, ABOLISHING, CHANGING
VERTICAL LIMITS, AND EXTENDING
CERTAIN POOLS IN EDDY, LEA, AND
ROOSEVELT COUNTIES, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION

This cause came on for hearing at 9 o'clock a.m., on June 19, 1963, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 21st day of June, 1963, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

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

(2) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation of Estacado-Pennsylvanian Pool. Said Estacado-Pennsylvanian Pool was discovered by Union Oil Company of California, State No. 1-17, located in Unit A of Section 17, Township 14 South, Range 35 East, NMPM. It was completed in Pennsylvanian on April 16, 1963. The top of the perforations is at 11,478 feet.

(3) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation of

Case No. 2832
Order No. R-2507

High Plains-Pennsylvanian Pool. Said High Plains-Pennsylvanian Pool was discovered by Texas Crude Oil Company and Sinclair Oil & Gas Company, State No. 1-23, located in Unit M of Section 23, Township 14 South, Range 34 East, NMPM. It was completed in Pennsylvanian on April 10, 1963. The top of the perforations is at 10,463 feet.

(4) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Strawn (Pennsylvanian) formation, said pool to bear the designation of Hope-Strawn Gas Pool. Said Hope-Strawn Gas Pool was discovered by Sunray DX Oil Company, New Mexico State "AH" No. 1, located in Unit K of Section 30, Township 18 South, Range 23 East, NMPM. It was completed in Strawn (Pennsylvanian) on January 12, 1963. The top of the perforations is at 7326 feet.

(5) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Glorieta formation, said pool to bear the designation of North Justis-Glorieta Pool. Said North Justis-Glorieta Pool was discovered by Westates Petroleum Company, Carlson B-1 No. 2, located in Unit E of Section 1, Township 25 South, Range 37 East, NMPM. It was completed in Glorieta on March 13, 1963. The top of the perforations is at 4900 feet.

(6) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Pennsylvanian formation, said pool to bear the designation of Vacuum-Pennsylvanian Pool. Said Vacuum-Pennsylvanian Pool was discovered by Socony Mobil Oil Company, Inc., State Bridges No. 96, located in Unit H of Section 26, Township 17 South, Range 34 East, NMPM. It was completed in Pennsylvanian on March 3, 1963. The top of the perforations is at 11,372 feet.

(7) That there is need for the creation of a new pool in Roosevelt County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of West Milnesand-San Andres Pool. Said West Milnesand-San Andres Pool was discovered by Cactus Drilling Company, Bolles No. 1, located in Unit H of Section 20, Township 8 South, Range 34 East, NMPM. It was completed in San Andres on April 22, 1963. The top of the perforations is at 4554 feet.

(8) That there is need for the consolidation of the West Pearl-Queen Pool and the Pearl-Queen Pool, Lea County, New Mexico, inasmuch as the pools produce from the same formations, said consolidation to be accomplished by abolishment of the West Pearl-

Queen Pool and extension of the Pearl-Queen Pool.

(9) That there is need for the extension of the vertical limits of the Red Lake (Grayburg-San Andres) Pool in Eddy County, New Mexico, to thereby include the Queen formation underlying Unit H of Section 9, Unit E of Section 14, and Unit E of Section 15 only, all in Township 17 South, Range 28 East.

(10) That there is need for certain extensions to the North Benson Queen-Grayburg Pool, the Jackson-Abo Pool, the East Millman Queen-Grayburg Pool, the East Millman-Seven Rivers Pool, the Red Lake (Grayburg-San Andres) Pool, and the White City-Pennsylvanian Gas Pool, all in Eddy County, New Mexico, the North Bagley-Wolfcamp Pool, the Lane-Pennsylvanian Pool, the Lusk-Strawn Pool, the Oil Center-Blinbry Pool, and the Vacuum-Abo Reef Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production, is hereby created and designated as the Estacado-Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 14 SOUTH, RANGE 35 EAST, NMPM
Section 17: NE/4

(b) That a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production, is hereby created and designated as the High Plains-Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM
Section 23: SW/4

(c) That a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production, is hereby created and designated as the Hope-Strawn Gas Pool, consisting of the following described area:

TOWNSHIP 18 SOUTH, RANGE 23 EAST, NMPM
Section 30: All

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Glorieta production, is hereby created and designated as the North Justis-Glorieta Pool, consisting of the following described area:

Case No. 2832

Order No. R-2507

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 1: NW/4

(e) That a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production, is hereby created and designated as the Vacuum-Pennsylvanian Pool, consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 26: NE/4

(f) That a new pool in Roosevelt County, New Mexico, classified as an oil pool for San Andres production, is hereby created and designated as the West Milnesand-San Andres Pool, consisting of the following described area:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
Section 20: NE/4

(g) That the West Pearl-Queen Pool in Lea County, New Mexico, consisting of the following described area:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 25: SW/4
Section 36: W/2

is hereby abolished.

(h) That the Pearl-Queen Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 25: SW/4
Section 36: W/2

(i) That the North Bagley-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 23: SW/4

(j) That the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
Section 28: S/2 SE/4

Case No. 2832
Order No. R-2507

(k) That the Jackson-Abo Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM
Section 22: NW/4 SE/4

(l) That the Lane-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 9 SOUTH, RANGE 33 EAST, NMPM
Section 23: NE/4
Section 24: W/2
Section 25: NW/4

(m) That the Lusk-Strawn Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM
Section 30: NW/4

(n) That the East Millman Queen-Grayburg Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 24: NW/4

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 6: SW/4
Section 7: NW/4 and N/2 SW/4

(o) That the East Millman-Seven Rivers Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM
Section 22: SE/4 NE/4 and N/2 NE/4
Section 23: NW/4

(p) That the Oil Center-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 4: Lots 2 and 7
Section 5: Lots 1 and 2
Section 9: NE/4

-6-

Case No. 2832

Order No. R-2507

(q) That the Red Lake (Grayburg-San Andres) Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 16: NE/4

Further extend the vertical limits of the Red Lake (Grayburg-San Andres) Pool in Eddy County, New Mexico, to include the Queen formation underlying Unit H of Section 9 and Unit E of Sections 14 and 15, all in Township 17 South, Range 28 East.

(r) That the Vacuum-Abo Reef Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM
Section 26: NW/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 12: N/2 NE/4 and NW/4 SW/4

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 6: SE/4 NE/4

(s) That the White City-Pennsylvanian Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 24 SOUTH, RANGE 26 EAST, NMPM
Section 20: W/2
Section 29: W/2 and SE/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations, abolishments, change of vertical limits, and extensions included herein shall be July 1, 1963.

-7-

Case No. 2832
Order No. R-2507

DONE at Santa Fe, New Mexico, on the day and year herein-
above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

E. S. WALKER, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

iqg/

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico

Oil Conservation Commission

1963 OCT 14 AM 11 14



LAND COMMISSIONER
E. B. JOHNNY WALKER
MEMBER

P. O. DRAWER DD
ARTESIA, NEW MEXICO

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

October 14, 1963

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

Attention: Mr. Dan Nutter

Re: Case 2925

Dear Dan:

Referring to Case 2925 to be heard October 30, 1963, Sunray DX Oil Company has requested the creation of a new Strawn gas pool with special pool rules for it's N.M.St. AH, Well #1 K, 30-18-30. Please note that Order No. R ~~2507~~ 2507, July 1, 1963, created the Hope-Strawn Gas Pool for this well. However, no special pool rules have been established for this pool.

Very truly yours,

R. L. Stamets

RLS/uh

cc: Sunray DX Oil Company, Hobbs, New Mexico
Attention: Mr. Mayabb

RECEIVED
NOV 13 1963
O. D. C.
ARTESIA, N.M.

*nick
Wanda
Hobbs*

Handwritten notes and signatures in the bottom right corner.

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

December 26, 1963

Mr. Dick Stamets
Oil Conservation Commission
Drawer DD
Artesia, New Mexico

Re: Hope-Strawn and South
Hope-Strawn Pools

Dear Dick:

In accordance with our recent conversation concerning the above pools, we have determined that the Hope-Strawn Gas Pool should be abolished to avoid overlapping nomenclature. We will, therefore, add a paragraph to the South-east nomenclature for the next regular hearing.

We therefore are anticipating that as a result of the next nomenclature order, the Commission will have no Hope.

Very truly yours,

J. M. DURRETT, Jr.
Attorney

JMD/esr

C
O
P
Y

DOCKET: REGULAR HEARING - WEDNESDAY - JANUARY 15, 1964
OIL CONSERVATION COMMISSION - 9 A.M., MORGAN HALL, STATE LAND OFFICE BUILDING,
SANTA FE, NEW MEXICO

- ALLOWABLE: (1) Consideration of the oil allowable for February, 1964.
- (2) Consideration of the allowable production of gas for February, 1964, from ten prorated pools in Lea and Eddy Counties, New Mexico, also consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico, for February, 1964.

CASE 2968:

In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for an order for the creation of certain new pools and for the abolishment and extension of certain existing pools in Lea County, New Mexico.

- (a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, designated as the Lower Double-A Abo Pool with special vertical limits defined from 80 feet below the top of the Abo detritus at 8970 feet (-5084 ss) in the Coastal States Gulf State Well No. 1 located in Unit F of Section 20, Township 17 South, Range 36 East, to the base of the Abo and described as:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: N/2

- (b) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, designated as the Upper Double-A Abo Pool, with special vertical limits defined from the top of the Abo detritus at 8890 feet (-5004 ss) in the above described Coastal States Gulf State Well No. 1 to a point 80 feet below the top of the Abo detritus at 8970 feet (-5084 ss), and described as:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: N/2
SECTION 21: W/2 NW/4

- (c) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production, designated as the Gladiola-San Andres Pool, and described as:

TOWNSHIP 12 SOUTH, RANGE 37 EAST, NMPM
SECTION 24: NE/4

- (d) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Delaware production, designated as the West Jal-Delaware Pool, and described as:

TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM
SECTION 21: SW/4

- (e) ABOLISH the Double A-Abo Pool in Lea County, New Mexico, described as:

-2-
Case 2968 continued from page 1

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
SECTION 20: NE/4 and S/2 NW/4
SECTION 21: NW/4

- (f) ABOLISH the Weir-Tubb Gas Pool in Lea County, New Mexico, described as:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
SECTION 15: SE/4 and E/2 SW/4

- (g) EXTEND the Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
SECTION 4: Lot 9

- (h) EXTEND the Inbe-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
SECTION 12: NE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: W/2 W/2

- (i) EXTEND the North Justis Tubb-Drinkard Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
SECTION 11: NE/4

- (j) EXTEND the Lea-Devonian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 13: SW/4

- (k) EXTEND the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
SECTION 13: SW/4

- (l) EXTEND the Monument-Tubb Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
SECTION 15: SE/4

- (m) EXTEND the Oil Center-Blinbry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
SECTION 10: NE/4

- (n) EXTEND the Vacuum-Abo Reef Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 11: NW/4
SECTION 12: NE/4 SW/4 and S/2 SW/4

- (o) EXTEND the Vacuum-Blinbry Pool in Lea County, New Mexico, to include therein:

Case 2968 continued from page 2

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 25: SE/4
SECTION 36: E/2

- (p) EXTEND the Vacuum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 36: NE/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 1: NW/4

- (q) EXTEND the Weir-Blinebry Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
SECTION 15: NE/4

- (r) ABOLISH the Hope Strawn Gas Pool in Eddy County, New Mexico, described as:

TOWNSHIP 18 SOUTH, RANGE 23 EAST, NMPM
SECTION 30: All

2968

a) Create a new pool in Lea County, New Mexico, classified as an oil pool for the production, designated as the Wells-Abb Pool, with special vertical limits defined as top of the Wells at 90 feet (-Wells) and a point 80 feet below top of the Wells at 80 feet (-Wells), and described as:

✓ TOWNSHIP 17 SOUTH, RANGE 36 EAST, N.M.
SECTION 20: NE/4
SECTION 21: SW/4

b) Create a new pool in Lea County, New Mexico, classified as an oil pool for the production, designated as the Wells-Abb Pool, with special vertical limits defined as top of the Wells at 90 feet (-Wells) and a point 80 feet below top of the Wells at 80 feet (-Wells), and described as:

✓ TOWNSHIP 17 SOUTH, RANGE 36 EAST, N.M.
SECTION 20: NE/4
SECTION 21: SW/4

c) Create a new pool in Lea County, New Mexico, classified as an oil pool for the production, designated as the Wells-Abb Pool, and described as:

✓ TOWNSHIP 12 SOUTH, RANGE 37 EAST, N.M.
SECTION 20: NE/4

d) Create a new pool in Lea County, New Mexico, classified as an oil pool for the production, designated as the Wells-Abb Pool, and described as:

✓ TOWNSHIP 25 SOUTH, RANGE 36 EAST, N.M.
SECTION 21: SW/4

e) ABOLISH the Wells-Abb Pool in Lea County, New Mexico, described as:

✓ TOWNSHIP 17 SOUTH, RANGE 36 EAST, N.M.
SECTION 20: NE/4 and S/2 SW/4
SECTION 21: SW/4

f) ABOLISH the Wells-Abb Gas Pool in Lea County, New Mexico, described as:

✓ TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.
SECTION 15: SE/4 and E/2 SW/4

g) EXTEND the Wells-Abb Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.
SECTION 1: SW/4

1) EXTEND the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMT
SECTION 20: SW/4

✓ TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMT
SECTION 21: SW/4

2) EXTEND the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMT
SECTION 11: SW/4

3) EXTEND the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMT
SECTION 13: SW/4

k) EXTEND the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMT
SECTION 13: SW/4

l) EXTEND the Norment-Hubb Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMT
SECTION 15: SE/4

m) EXTEND the Oil Center-Blinchry Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMT
SECTION 10: NE/4

n) EXTEND the Vacuum-Rice Reef Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMT
SECTION 11: NE/4
SECTION 12: NE/4 SW/4 and S/2 SW/4

o) EXTEND the Vacuum-Blinchry Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMT
SECTION 25: SE/4
SECTION 36: E/2

p) EXTEND the Vacuum-Helfcamp Pool in Lea County, New Mexico, to include therein:

✓ TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMT
SECTION 35: SW/4

✓ TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMT
SECTION 11: NE/4

✓
JAMES H. STANTON, SECRETARY, U.S.A., D.D.
OFFICE OF THE SECRETARY

(c) Abolish the Hope Strawn^{Gas} Pool
in Eddy County, New Mexico, described
as:

→ T-18 S, R-23 E, NM PM
Sec 30. All

CASE 2968: (a) CREATION OF A NEW OIL POOL

COUNTY LEA

POOL LOWER DOUBLE A-ABO

TOWNSHIP 17 South

RANGE 36 East

NMIM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Two completed oil wells capable of producing.

SUNRAY DX OIL COMPANY - State X #1 in Unit B of Section 20-17-36. Completed in Abo on December 27, 1960. Top of Perforations 9002'.

COASTAL STATES GAS PRODUCING COMPANY - Gulf State #1 in Unit F of Section 20-17-36. Completed in Abo on August 26, 1963. Top of Perforations 9007'.

Proposed pool boundary colored in red. SECTION 20: N/2

Special Vertical Limits: From a point 80 feet below top of Abo detritus at 8970 feet (-5084 ss) to base of Abo.

Type Log: Sunray DX Oil Company, State X #1 in Unit B of Section 20-17-36.

CASE 2968: (b) CREATION OF A NEW OIL POOL

County LEA Pool UPPER DOUBLE A-ABO

Township 17 South Range 36 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Four completed oil wells capable of producing.

AZTEC OIL & GAS COMPANY - State VA #1 in Unit H of Section 20-17-36. Completed in Abo (reef) on September 2, 1961. Top of Perforations 9177'.

AZTEC OIL & GAS COMPANY - Atlantic State #1 in Unit E of Section 21-17-36. Completed in Abo on October 16, 1962. Top of Perforations 9362'.

COASTAL STATES GAS PRODUCING COMPANY - Gulf State #1 in Unit F of Section 20-17-36. Completed in Abo on August 13, 1963. Top of Perforations 9214'.

SUNRAY DX OIL COMPANY - New Mexico State X #2 in Unit G of Section 20-17-36. Completed in Abo on November 4, 1961. Top of Perforations 9220'.

Proposed pool boundary colored in red. SECTION 20: N/2

SECTION 21: W/2 NW/4

Special Vertical Limits: From top Abo Detritus at 8890 feet (-5004 ss) to a point 80 feet below top of Abo Detritus at 8970 feet (-5084 ss).

Type Log: Sunray DY Oil Company, State X #1 in Unit of Section 20-17-36.

CASE 2968: (c) CREATION OF A NEW OIL POOL

COUNTY LEA POOL GLADIOLA-SAN ANDRES

TOWNSHIP 12 South RANGE 37 East NMFM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

PAN AMERICAN PETROLEUM CORPORATION - Lois Wingerd #7 in Unit H of Section 24-12-37. Completed in San Andres on October 11, 1963. Top of Perforations 5104'.

Proposed pool boundary colored in red. SECTION 24: NE/4

CASE 2968: (d) CREATION OF A NEW OIL POOL

COUNTY LEA POOL WEST JAL-DELAWARE

TOWNSHIP	25 South	RANGE	36 East	NMFM
6	5	4	3	2
7	8	9	10	11
18	17	16	15	14
19	20	21	22	23
30	29	28	27	26
31	32	33	34	35

PURPOSE: One completed oil well capable of producing.

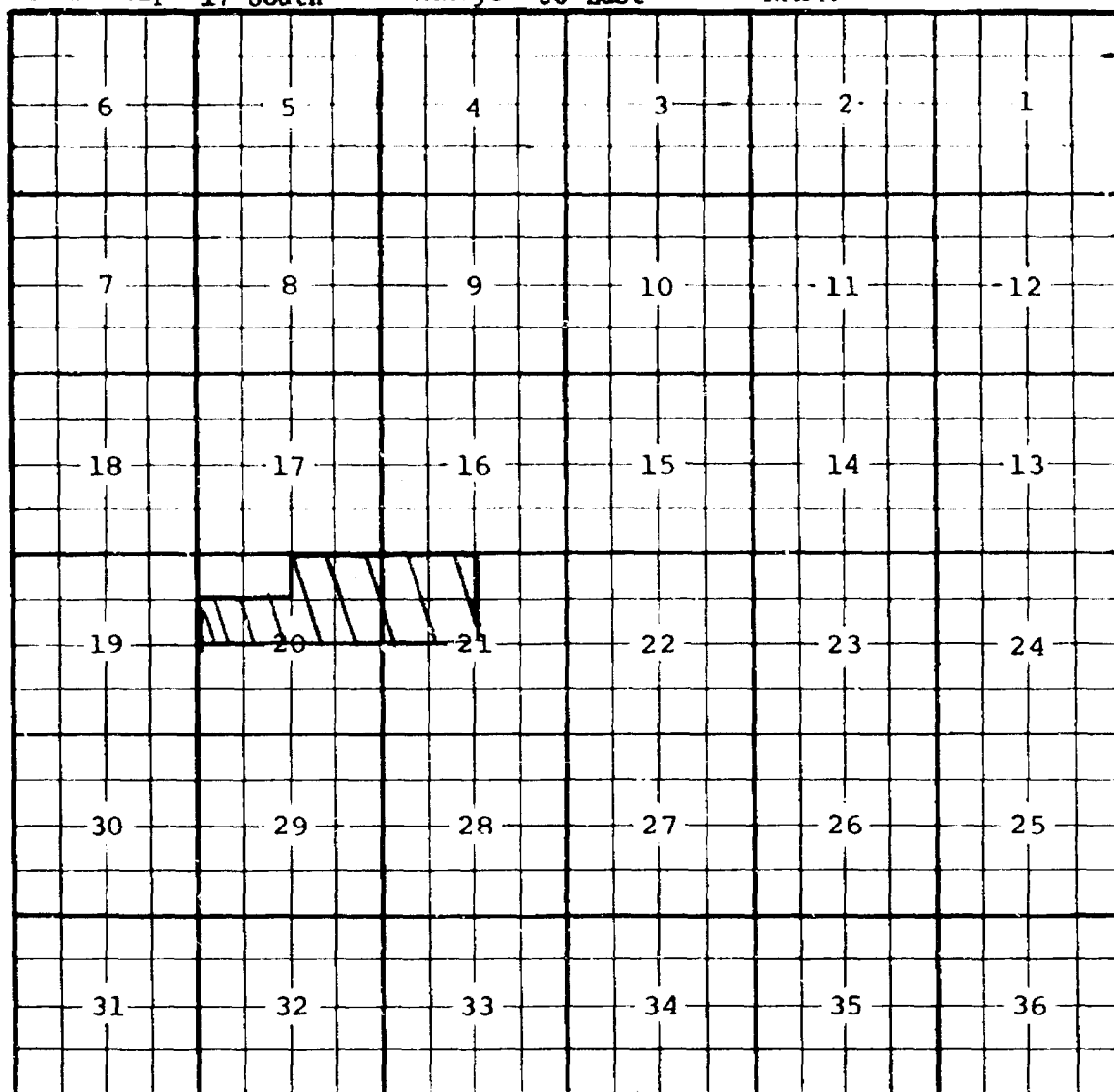
SKELLY OIL COMPANY - West Jal A #1 in Unit K of Section 21-25-36. Completed in Delaware on October 6, 1963. Top of Perforations 7510'.

Proposed pool boundary colored in red. SECTION 21: SW/4

CASE 2968: (e) ABOLISHMENT OF AN EXISTING OIL POOL

County LEA Pool DOUBLE A-ABO

Township 17 South Range 36 East NMPM



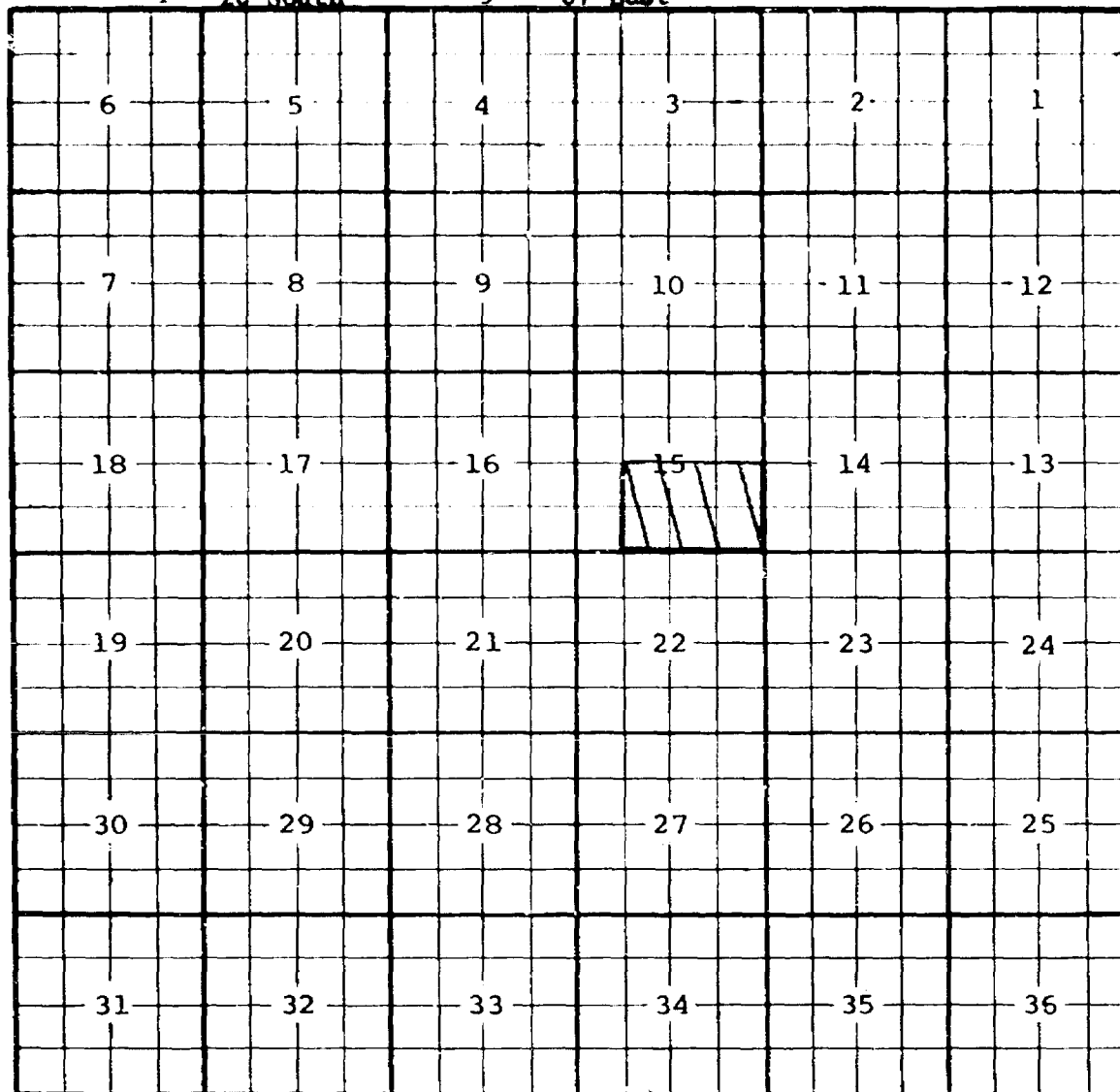
PURPOSE: To create two separate pools from the Double A-ABO Pool due to the dual completion of Coastal States Gas Producing Company, Gulf State #1 in Unit F of Section 20-17-36.

Proposed pool abolishment colored in blue. SECTION 20: NE/4 and S/2 NW/4
SECTION 21: NW/4

CASE 2968: (f) ABOLISHMENT OF AN EXISTING GAS POOL

County LEA Pool WEIR-TUBB GAS

Township 20 South Range 37 East NMPM



PURPOSE: To abolish Weir-Tubb Gas Pool because it is contiguous with Monument-Tubb Oil Pool and because GOR's have dropped; therefore, should be placed in an oil pool.

Proposed pool abolishment colored in blue. SECTION 15: SE/4 and E/2 SW/4

Postponed

CASE 2968: (g) EXTENSION OF AN EXISTING OIL POOL

County	LEA	Pool	DRINKARD		
Township	21 South	Range	37 East	NMPM	
			7		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

SHELL OIL COMPANY - Livingston #12 in Unit I of Section 4-21-37. Completed in Drinkard on November 8, 1963. Top of Perforations 6543'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 4: Lot 9

CASE 2968: (h) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County LCA Pool INBE-PENNSYLVANIAN

Township 11 South Range 33 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Two completed oil wells capable of producing.

SOUTHLAND ROYALTY COMPANY - J. D. Guye #1 in Unit H of Section 12-11-33.
Completed in Bough C on October 14, 1963. Top of Perforations 9738'.

SOUTHLAND ROYALTY COMPANY - J. D. Guye #2 in Unit A of Section 12-11-33.
Completed in Bough C on December 7, 1963. Top of Perforations 9740'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 12: NE/4

County LEA Pool INBE-PENNSYLVANIAN

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

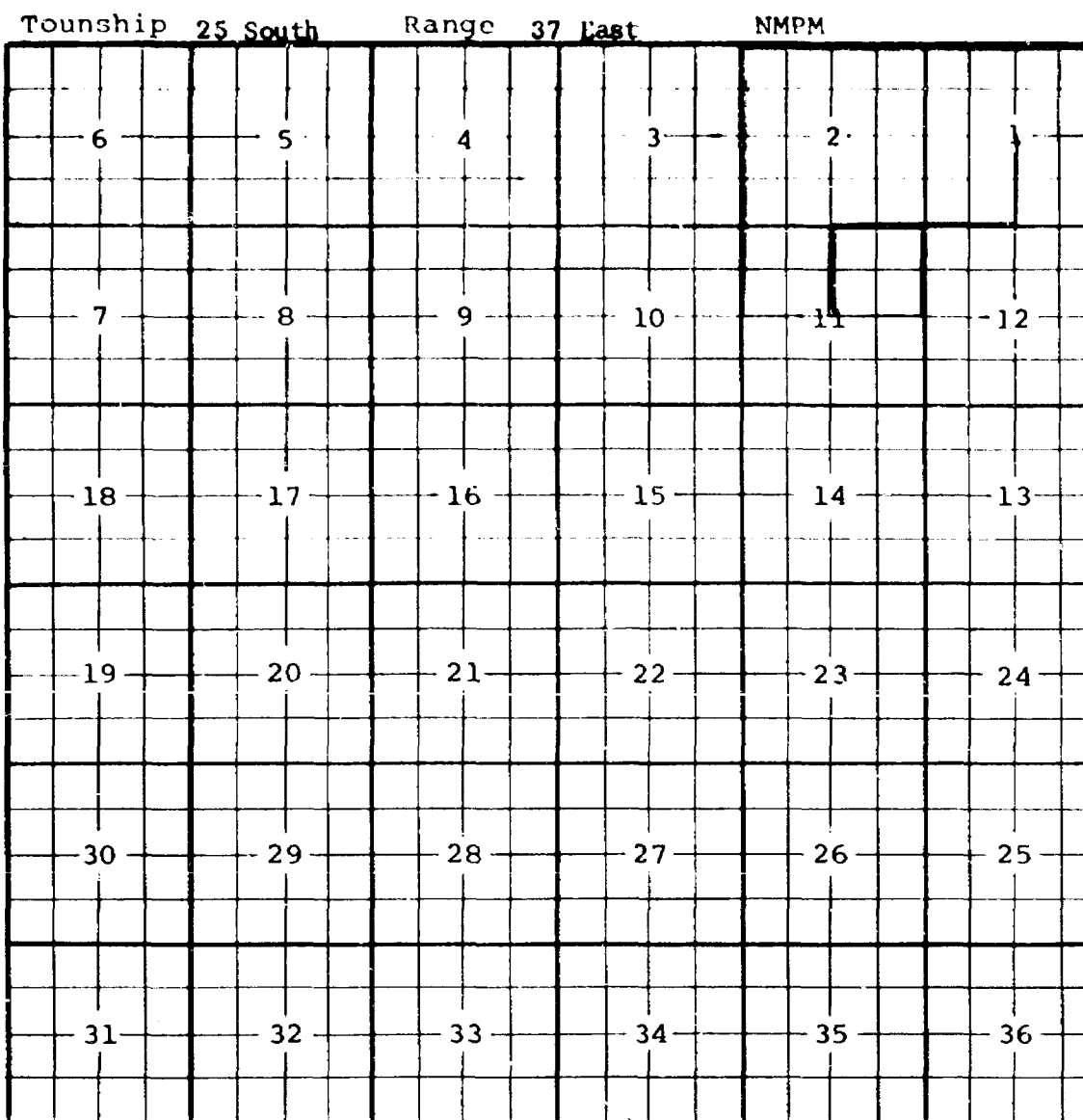
ADDITION--L. R. FRENCH, JR. - Gulf State #4 in Unit L of Section 18-11-34.

Pool boundary colored in red.

ADDITION---SECTION 18: W/2 SW/4

CASE 2968: (i) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool NORTH JUSTIS-TUBB-DRINKARD



PURPOSE: Two completed oil wells capable of producing.

THE ATLANTIC REFINING COMPANY - Jal #2 in Unit B of Section 11-25-37.

Completed in Tubb/Drinkard on November 13, 1963. Top of Perforations
5998'.

TEXAS PACIFIC OIL COMPANY - Langlie B #1 in Unit G of Section 11-25-37.

Completed in Tubb/Drinkard on December 1, 1963. Top of Perforations
5831'.

Pool boundary colored in red.

Proposed pool extension colored in green, SECTION 11: NE/4

CASE 2968: (j) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool LEA-DEVONIAN

Township 20 South Range 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

MAPATHON OIL COMPANY - Lea Unit #11 in Unit N of Section 13-20-34. Completed in Devonian on November 13, 1963. Top of Perforations 14,371'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 13: SW/4

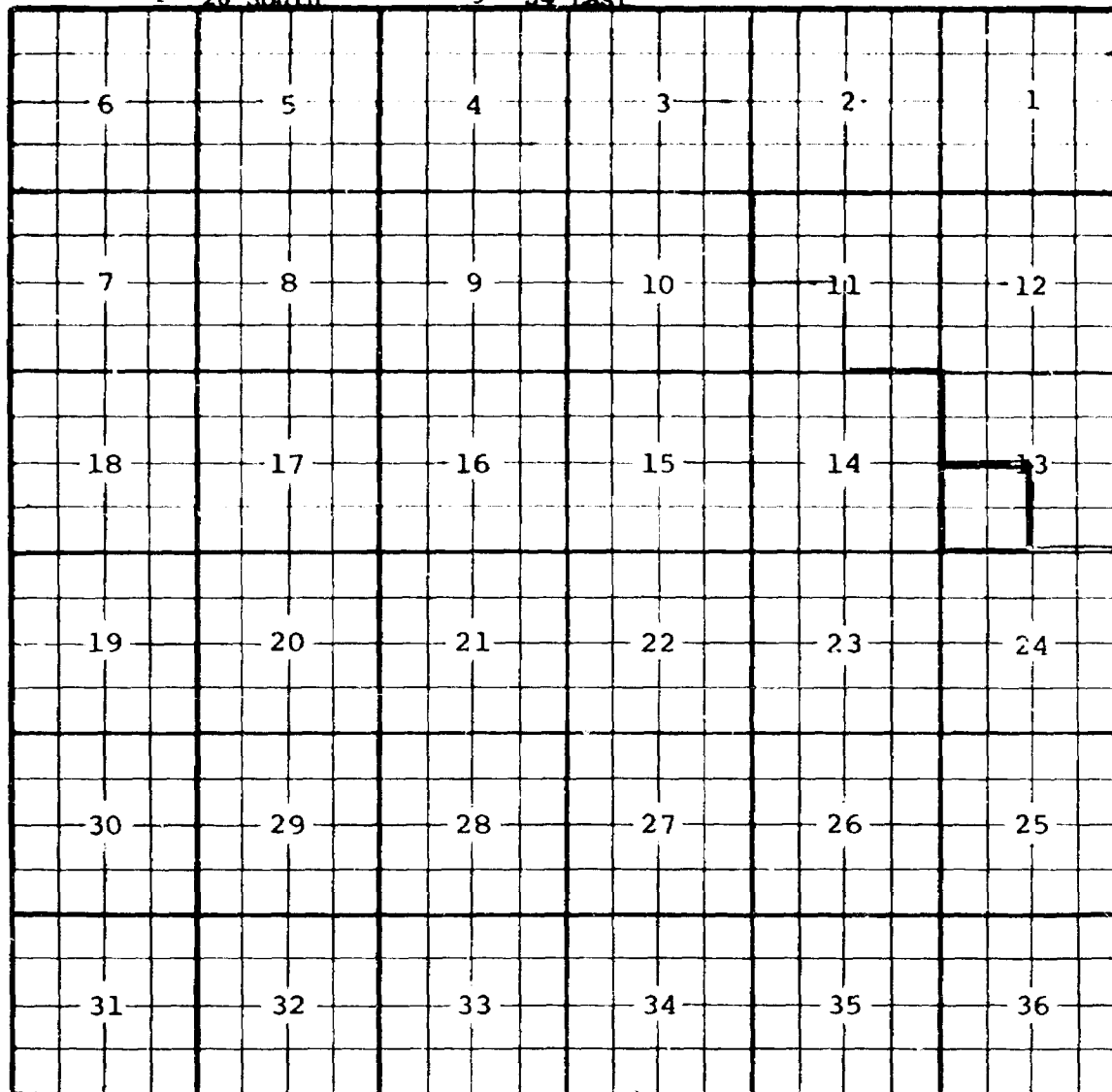
CASE 2968: (k) EXTENSION OF AN EXISTING GAS POOL

County LEA Pool LEA-PENNSYLVANIAN GAS

Township 20 South

Range 34 East

NMPM



PURPOSE: One completed gas well capable of producing.

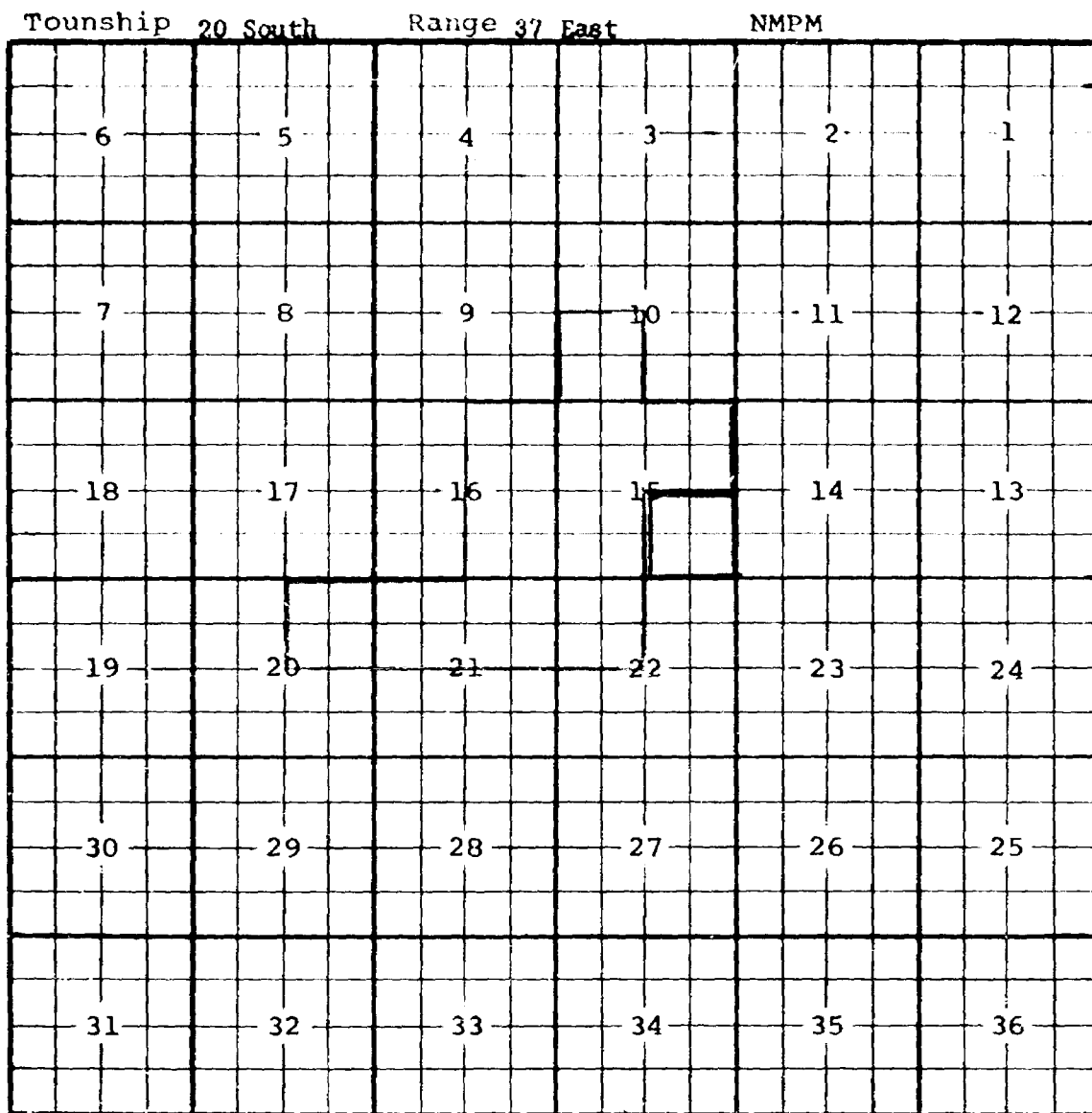
MARATHON OIL COMPANY - Lea Unit #11 in Unit N of Section 13-20-34. Completed in Pennsylvanian (Bend) on September 9, 1963. Top of Perforations 12,987'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 13: SW/4

CASE 2968: (1) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool MONUMENT-TUBB



PURPOSE: To take in all wells of abolished Weir-Tubb Gas Pool.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 15: SE/4

County LEA Pool OIL CENTER-BLINEBRY

POOL OIL CENTER-BLINEBRY

Range	36 East
-------	---------

NMPM

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a boustrophedon pattern, starting from the top right (1) and ending at the bottom left (36). A path of 10 cells is highlighted with thick black lines, starting at cell 3 and ending at cell 10. The path consists of the following cells: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

HUMBLE OIL & RFG. CO. - J. D. Knox #9 in Unit A of Section 10-21-36.

HUMBLE OIL & RFG. CO. - J. D. Knox #10 in Unit G of Section 10-21-36.

ADDITION--ME-TEX SUPPLY COMPANY - Wallace State #7 in Unit E of Section

3-21-36. Completed in Blinebry on October 4, 1963. Top of Perforations

5882'.

ADDITION--SUN OIL COMPANY - J. A. Akens #8 in Unit W of Section 3-21-36.

Completed in Blinebry on August 11, 1963. Top of Perforations 5859'.

ADDITION--SUN OIL COMPANY - J. A. Akens #9 in Unit Q of Section 3-21-36.

Completed in Blinebry on October 25, 1963. Top of Perforations 5826'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION NE/4

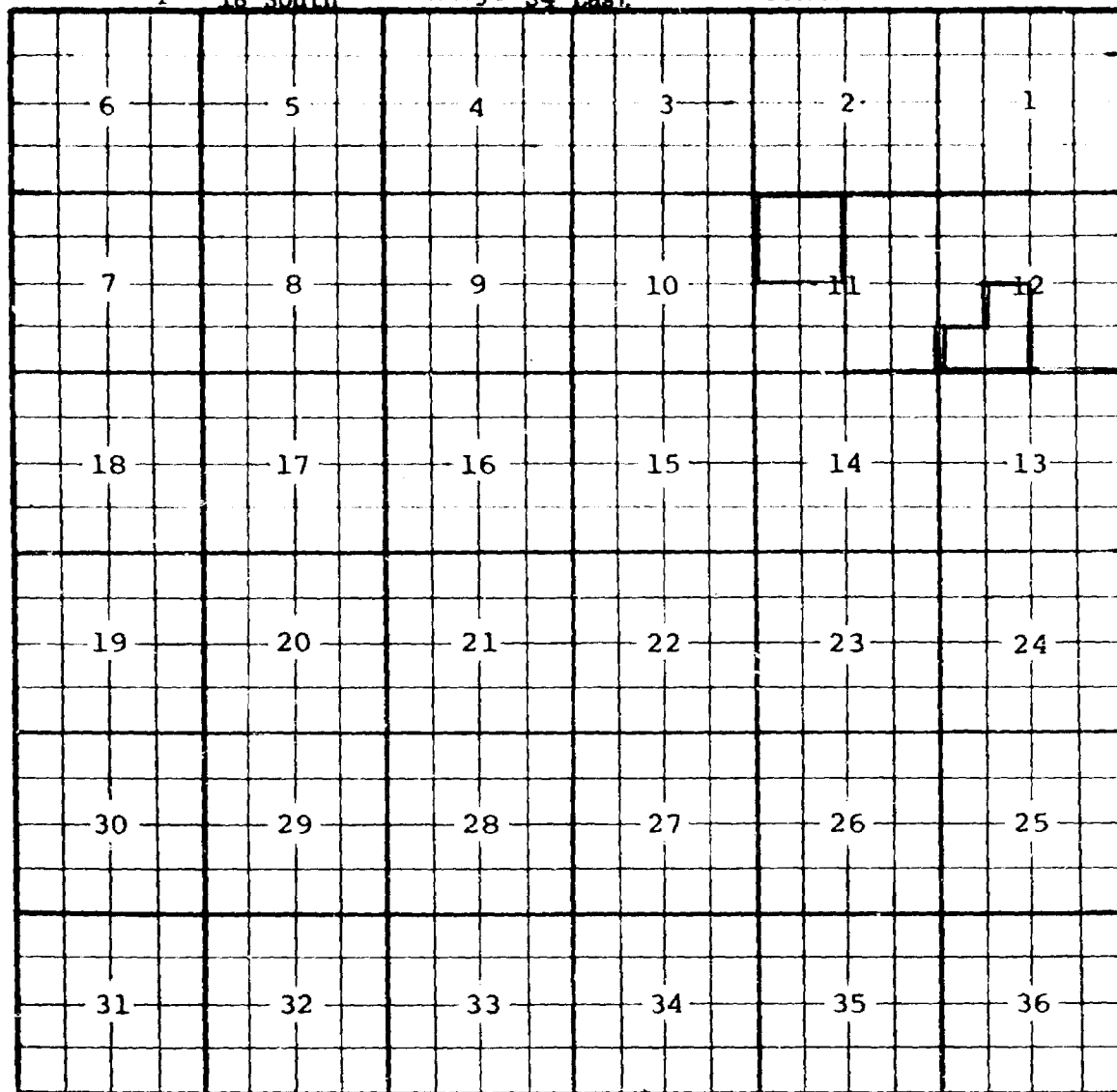
ADDITIONS-----SECTION 3. Lots 5 and 6 and SE/4

3

CASE 2968: (n) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool VACUUM-ABO REEF

Township 18 South Range 34 East NMPM



PURPOSE: Two completed oil wells capable of producing.

TEXACO, INC. - State of New Mexico "AE" #18 in Unit F of Section 11-18-34.
Completed in Abo Reef on November 1, 1963. Top of Perforations 8856'.

TEXACO, INC. - State of New Mexico "AE" #7 in Unit N of Section 12-18-34.
Completed in Abo Reef on October 3, 1963. Top of Perforations 8851'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 11: NW/4

SECTION 12: NE/4 SW/4 and S/2 SW/4

CASE 2968: (0) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool VACUUM-BLINEBRY

Township 17 South Range 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Four completed oil wells capable of producing.

TEXACO, INC. - State of New Mexico "Q" #5 in Unit O of Section 25-17-34. Completed in Blinebry on October 16, 1963. Top of Perforations 6698'.

TEXACO, INC. - State of New Mexico "O" NCT-1 #14 in Unit J of Section 36-17-34. Completed in Blinebry on October 13, 1963. Top of Perforations 6649'.

TEXACO, INC. - State of New Mexico "O" NCT-1 #21 in Unit G of Section 36-17-34. Completed in Blinebry on October 13, 1963. Top of Perforations 6685'.

TEXACO, INC. - State of New Mexico "O" NCT-1 #23 in Unit O of Section 36-17-34. Completed in Blinebry on December 21, 1963. Top of Perforations 6722'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 25 SE/4
SECTION 36 E/2

CASE 2968: (p) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

County LEA Pool VACUUM-WOLFCAMP

Township 17 South Range 34 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: Three completed oil wells capable of producing.

TEXACO, INC. - State of New Mexico "O" NCT-1 #18 in Unit H of Section
36-17-34. Completed in Wolfcamp on July 28, 1963. Top of Perforations
9951'.

ADDITION--TEXACO, INC. - State of New Mexico "Q" #4 in Unit P of Section
25-17-34. Completed in Wolfcamp on November 18, 1963. Top of Perfora-
tions 9951'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 36: NE/4

ADDITION---SECTION 25: SE/4

CASE 2968: (p) EXTENSION OF AN EXISTING OIL POOL (Continued)

County LEA Pool VACUUM-WOLFCAMP

Township	18 South	Range	34 East	NMPM	
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: As stated on preceding page, paragraph (p), Exhibit I
 TEXACO, INC. - State of New Mexico "M" #5 in Unit D of Section 1-18-34.
 Completed in Wolfcamp on November 1, 1963. Top of Perforations 9938'.
 TEXACO, INC. - New Mexico State M #7 in Unit F of Section 1-18-34. Com-
 pleted in Wolfcamp on October 4, 1963. Top of Perforations 9967'.
 ADDITION--TEXACO, INC. - State of New Mexico L #6 in Unit B of Section
 1-18-34. Completed in Wolfcamp on November 7, 1963. Top of Perforations
 9939'.

Pool boundary colored in red.

Proposed pool extensions colored in green. SECTION 1: NW/4

ADDITION----SECTION 1: NE/4

CASE 2968: (q) EXTENSION OF AN EXISTING OIL POOL

County LEA Pool WEIR-BLINEBRY

Township 20 South Range 37 East NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

PURPOSE: One completed oil well capable of producing.

CONTINENTAL OIL COMPANY - Britt B #19 in Unit B of Section 15-20-37.

Completed in Blinebry on September 14, 1963. Top of Perforations 5738'.

Pool boundary colored in red.

Proposed pool extension colored in green. SECTION 15: NE/4

ABOLISHMENT OF AN EXISTING GAS POOL CASE 2958: (r)

County EDDY Pool HOPE-STRAWN GAS

Township 18 Range 23 NMPM

6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

Purpose: To abolish the Hope-Strawn Gas Pool thereby eliminating an overlap with the South Hope-Strawn Gas Pool.

Proposed Abolishment colored in blue. Section 30: All

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 PURPOSE
OF CONSIDERING:

CASE No. 2963
Order No. R-2639

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CREATING, ABOLISHING, SETTING
SPECIAL VERTICAL LIMITS, AND
EXTENDING CERTAIN POOLS IN
EDDY AND LEA COUNTIES, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on January 15, 1964, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 16th day of January, 1964, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

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

(2) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation of Lower Double A-Abo Pool. Said Lower Double A-Abo Pool was discovered by Sunray DX Oil Company, State X No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM. It was completed in Abo on December 27, 1960. The top of perforations is 9002 feet. The special vertical limits are described as being from a point 80 feet below top of Abo detritus at 8970 feet (-5084 ss) to the base of Abo. The type log is Sunray DX Oil Company's State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

(3) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Abo

formation, said pool to bear the designation of Upper Double A-Abo Pool. Said Upper Double A-Abo Pool was discovered by Aztec Oil & Gas Company, State VA No. 1, located in Unit H of Section 20, Township 17 South, Range 36 East, NMPM. It was completed in Abo (Reef) on September 2, 1961. The top of perforations is 9177 feet. The special vertical limits are described as being from top of the Abo Detritus at 8890 feet (-5004 ss) to a point 80 feet below the top of the Abo Detritus at 8970 feet (-5084 ss). The type log is Sunray DX Oil Company's State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

(4) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Gladiola-San Andres Pool. Said Gladiola-San Andres Pool was discovered by Pan American Petroleum Corporation, Lois Wingerd No. 7, located in Unit H of Section 24, Township 12 South, Range 37 East, NMPM. It was completed in San Andres on October 11, 1963. The top of perforations is 5104 feet.

(5) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation of West Jal-Delaware Pool. Said West Jal-Delaware Pool was discovered by Skelly Oil Company, West Jal A. No. 1, located in Unit K of Section 21, Township 26 South, Range 36 East, NMPM. It was completed in Delaware on October 6, 1963. The top of perforations is 7510 feet.

(6) That there is need for the abolishment of the Double A-Abo Pool in Lea County, New Mexico, in order to form two separate pools of different vertical limits from said Double A-Abo Pool.

(7) That the proposed abolishment of the Weir-Tubb Gas Pool in Lea County, New Mexico, because said pool is contiguous with Monument-Tubb Pool, be dismissed pending further study.

(8) That there is need for the consolidation of the Hope-Strawn Gas Pool and the South Hope-Strawn Gas Pool, Eddy County, New Mexico, inasmuch as the pools produce from the same formation and the horizontal area of the Hope-Strawn Gas Pool is contained in the South Hope-Strawn Gas Pool. Said consolidation to be accomplished by the abolishment of the Hope-Strawn Gas Pool.

(9) That there is need for certain extensions to the Drinkard Pool, the Inba-Pennsylvanian Pool, the North Justis Tubb-Drinkard Pool, the Lea-Devonian Pool, the Lea-Pennsylvanian Gas Pool, the Oil Center-Blinebry Pool, the Vacuum-Abo Reef Pool, the Vacuum-Blinebry Pool, the Vacuum-Wolfcamp Pool, and the Weir-Blinebry Pool, all in Lea County, New Mexico. Further, that the proposed extension to the Monument-Tubb Pool in Lea County,

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CASE No. 2968
Order No. R-2639

New Mexico, should be dismissed pending further study.

IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, is hereby created and designated as the Lower Double A-Abo Pool, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
Section 20: N/2

Special vertical limits, top pool at 8970 feet (-5084 ss), 80 feet below the top of Abo detritus, bottom pool at base of Abo. Type log: Sunray DX Oil Company, State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

(b) That a new pool in Lea County, New Mexico, classified as an oil pool for Abo production, is hereby created and designated as the Upper Double A-Abo Pool, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
Section 20: N/2
Section 21: W/2 NW/4

Special vertical limits, top pool at 8890 feet (-5004 ss), top of Abo detritus, bottom pool 8970 feet (-5084 ss). Type log: Sunray DX Oil Company, State X Well No. 1, located in Unit B of Section 20, Township 17 South, Range 36 East, NMPM.

(c) That a new pool in Lea County, New Mexico, classified as an oil pool for San Andres production, is hereby created and designated as the Gladiola-San Andres Pool, consisting of the following-described area:

TOWNSHIP 12 SOUTH, RANGE 37 EAST, NMPM
Section 24: NE/4

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Delaware production, is hereby created and designated as the West Jal-Delaware Pool, consisting of the following-described area:

TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM
Section 21: SW/4

(e) That the Double A-Abo Pool in Lea County, New Mexico, consisting of the following-described area:

TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM
Section 20: NE/4 and S/2 NW/4
Section 21: NW/4

is hereby abolished.

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CASE No. 2968
Order No. R-2639

(f) That the proposed abolishment of the Weir-Tubb Gas Pool in Lea County, New Mexico, consisting of the following-described area:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 15: SE/4 and E/2 SW/4

is hereby dismissed.

(g) That the Drinkard Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 4: Lot 9

(h) That the Inba-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 33 EAST, NMPM
Section 12: NE/4

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM
Section 7: W/2 W/2
Section 18: W/2 SW/4

(i) That the North Justis Tubb-Drinkard Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 11: NE/4

(j) That the Lea-Devonian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
Section 13: SW/4

(k) That the Lea-Pennsylvanian Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 34 EAST, NMPM
Section 13: SW/4

(l) That the proposed extension to the Monument-Tubb Pool in Lea County, New Mexico, as heretofore classified, defined, and described, to include therein:

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CASE No. 2968
Order No. R-2639

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 15: SE/4

is hereby dismissed.

(m) That the Oil Center-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 3: Lots 5 and 6 and SE/4
Section 10: NE/4

(n) That the Vacuum-Abo Reef Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 11: NW/4
Section 12: NE/4 SW/4 and S/2 SW/4

(o) That the Vacuum-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 25: SE/4
Section 36: E/2

(p) That the Vacuum-Wolfcamp Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 25: SE/4
Section 36: NE/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 1: N/2

(q) That the Weir-Blinebry Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 15: NE/4

(r) That the Hope-Strawn Gas Pool in Eddy County, New Mexico, consisting of the following-described area:

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CASE No. 2968

Order No. R-2639

TOWNSHIP 18 SOUTH, RANGE 23 EAST, NMPM
Section 30: All

is hereby abolished.

IT IS FURTHER ORDERED:

That the effective date of this order and all creations, abolishments, special vertical limits, and extensions included herein shall be February 1, 1964.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M. Campbell

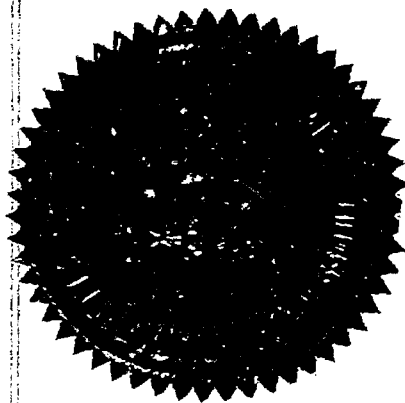
JACK M. CAMPBELL, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Porter, Jr.

A. L. PORTER, Jr., Member & Secretary



esr/

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

January 30, 1964

Watson & Watson
Attorneys at Law
Carper Building
P. O. Drawer E
Artesia, New Mexico

Attention: Mr. Fred A. Watson

Re: Case No. 2970

Gentlemen:

We have your letter of January 28, 1964, and the Notice of Publication you enclosed therewith.

We have forwarded the ad to Artesia for publication and will have the same published here in Santa Fe. We expect to issue an order in the above case immediately after expiration of ten days from the date of the last publication if no objections are received by this office.

Very truly yours,

J. M. DURRETT, Jr.
Attorney

JND/esr

NEIL B. WATSON
FRED A. WATSON

LAW OFFICES
WATSON & WATSON
CARPER BUILDING - P.O. DRAWER E
ARTESIA, NEW MEXICO

TELEPHONE
SHERWOOD 6-4151

January 29, 1964

Mr. James Durrett, Jr.,
Attorney at Law,
Oil Conservation Commission,
State Land Office,
Santa Fe, New Mexico.

Dear Mr. Durrett:

Re: Case No. 2970, Application of Cima Capitan,
Incorporated (N.S.L.) to delete injection wells
from previous Order and substitute different
wells therefor.

As we discussed on the telephone, Cima Capitan, Incorporated (N.S.L.) prefers to publish a supplemental Notice, at its own expense, on account of the shortage in the section line which resulted in the previous publication not being strictly correct as to the location of one injection well for which authority is being sought.

As brought out in the hearing on January 22, the correct location of the well will not be any closer to the lease line than the location is published, but we are willing to re-publish in order to preclude questions in the future.

With these considerations in mind, I have drafted a form of Notice which I believe incorporates everything that we have discussed, but if you do not feel it is satisfactory from the standpoint of the Commission, please don't hesitate to make changes. I herewith enclose an original and two copies of the draft I have prepared, and would greatly appreciate your consideration in securing the re-publication just as quickly as possible. Please advise both newspapers to bill Cima Capitan, Incorporated (N.S.L.) direct, care of our office.

Yours very truly,


Fred A. Watson

PAW:rjb
Enc.

cc: Cima Capitan, Incorporated (N.S.L.)

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
January 8, 1964

EXAMINER HEARING

IN THE MATTER OF:

Application of Harlan Production Company
for a waterflood project, Eddy County,
New Mexico.

Case No. 2966

BEFORE: DANIEL S. NUTTER, EXAMINER

TRANSCRIPT OF HEARING



DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
January 8, 1964

EXAMINER HEARING

IN THE MATTER OF:

Application of Harlan Production
Company for a waterflood project,
Eddy County, New Mexico.

CASE NO. 2966

BEFORE: DANIEL S. NUTTER, EXAMINER

TRANSCRIPT OF HEARING

MR. NUTTER: Call Case 2966.

MR. DURRETT: Application of Harlan Production Company
for a waterflood project, Eddy County, New Mexico.

MR. KELLAHIN: Jason Kellahin, Kellahin & Fox, Santa Fe,
representing the applicant. We have one witness I would like to
have sworn, please.

(Witness sworn)

N. T. EMANUEL,
called as a witness herein, having been first duly sworn, was
examined and testified as follows:

DIRECT EXAMINATION



DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691

BY MR. KELLAMIN:

Q Would you state your name, please?

A My name is N. T. Emanuel.

Q By whom are you employed and in what position?

A Harlan Production Company as a Petroleum Engineer at Monahans, Texas.

Q Have you ever testified before the Oil Conservation Commission?

A No, sir.

Q For the benefit of the Examiner, would you outline briefly your education and experience in the petroleum field?

A My education background is at the University of Oklahoma in the Petroleum Engineering School. My first engineering experience was with Continental Oil Company in Indiana and Illinois, beginning in 1945. Later, I joined Warren Petroleum in Wichita Falls, and later was employed with Gulf. I have actively engaged in engineering capacity with waterflood with Ambassador and Harlan Production Company. I have been employed with Harlan for the past seven years.

Q What kind of work have you done with Harlan?

A Petroleum Engineering and supervisory work.

Q Was your job with Continental Oil Company and Gulf and Warren Petroleum in the same field?

A Yes, sir.

Q As a Petroleum Engineer?



A Yes, sir.

Q How long have you worked in the New Mexico area, Mr. Emanuel?

A Approximately four years.

Q The area involved in Case Number 2966 under your supervision?

A Yes.

Q All right.

MR. KELLAHIN: Are the witness' qualifications acceptable?

MR. NUTTER: Yes, they are.

Q (By Mr. Kellahin) Now, Mr. Emanuel, what is proposed by Harlan Production Company in Case 2966?

A We propose to initiate a waterflood in the Queen Sand found at approximately 2,075 feet under Sections 16 and 17, Township 17 South, Range 30 East, in the Grayburg-Jackson Field, Eddy County, New Mexico.

Q Now, Mr. Emanuel, referring to what has been marked as Exhibit Number One, would you identify that exhibit and discuss it?

A Exhibit Number One is a proposed plan of waterflood operation, and summary of production data.

Q Is that the same as the formal application that was submitted to the Commission?

A Yes.

Q Now, referring to what has been marked as Exhibit Number Two, unless you have something else to say in connection with this,



DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Suite 1120 Simms Building

Albuquerque, New Mexico

Phone 243-6691

PAGE 5

would you refer to this- -

A I see.

Q Would you refer to Exhibit Number Two, and would you identify that exhibit and state what is shown there?

A Exhibit Number Two includes the area comprising approximately 400 acres; shown on this plat are wells that have established production, or have tested extensively the Queen or Red Sand.

Q There is no other production within a radius of three miles in which the Queen Sand is productive; this plat or exhibit covers the entire area?

A Yes.

Q Does the exhibit show all of the Queen Sand wells in the immediate vicinity; is that right?

A Yes, sir, it does.

Q Now, it shows the immediate offsetting operators; is that correct?

A There are two offset operators, Kersey and Company, and- - who operate two wells on the Randall State Lease, and R. G. Collier, who operate one.

Q R. G. or R. D.?

A R. D. Other than these two operators, we operate all of the area under consideration.

Q And the Wooley well is plugged and abandoned?

A That is right.



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Q And the Tidewater well and the O. H. Randall are both abandoned?

A Abandoned.

Q Have you line agreements with Jersey Company and R. D. Collier?

A Yes. Exhibits G through M.

Q This is attached to Exhibit Number One?

A Exhibit Number One. They are waivers from all offset operators. Now, referring back to Exhibit Number Two, does it also show the proposed injection wells?

A The proposed injection wells are shown on Exhibit Two. Etz State Number Two will be a proposed injection well. The Harlan McIntyre Number 7 is a proposed injection well. These two wells mentioned are converted producers. Unorthodox locations Number Nine and Ten shown on this exhibit are to be drilled. There will be four injection wells to initiate this program, which we propose to delay further development pending this pilot flood response.

Q Will all of the wells go on injection at approximately the same time?

A Yes.

Q That is your plan?

A That is right.

Q Now, referring to what has been marked as Exhibit Number Three, would you identify that exhibit and discuss it?

A Exhibit Number Three is an aerial map showing the Queen



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sand area bounded in yellow. As you can see, from this plat, a deeper production is in the immediate area, but none of these wells have tested commercial Queen or Red Sand production.

Q And to the best of your knowledge, there is no Queen production other than your own wells within the immediate vicinity of this projection?

A That is right.

Q Do you know what the closest Queen production would be?

A Approximately four or five miles northwest.

Q Now, referring to what has been marked as Exhibit Number Four, through Seven, would you discuss those exhibits?

A Exhibit Number Four is the proposed water injection Etz State Number Two. This well is an original producer drilled in 1936 by Etz Oil Company, at a total depth of 3270 feet, and for a period of time, produced from the lower Grayburg-Jackson zone or pays. This well was plugged back in 1961 to 2226 feet. We propose to inject water through two and three-eighths inch tubing below a packer set in the bottom joint of the seven inch casing. Exhibit Five is proposed water injection well, our D. W. McIntyre Number-D Number 7. This was an original producing well drilled by Repollo Oil Company in December, 1944. We propose to inject water through 2 3/8 inch tubing below a packer set in the bottom joint of the 8 5/8 inch oil string casing, which was cemented with 100 sax.

Exhibit Six is a proposed water injection well, Etz



State Number 9, and an unorthodox location which we propose to cement 2 3/8 inch OD tubing at the top of the pay in open hole, at 2,078 feet, with a Halliburton full flow packer shoe, and circulate cement to the surface. We also plan to use a cement basket at the top of the well. In case circulation is not obtained, we plan to spot cement from the top.

Exhibit Seven is a proposed water injection well, Etz State Number Ten. The completion of this well is identical to the one referred to in Exhibit Six.

Q Etz State 9 and 10 have not yet been drilled?

A That is right.

Q The other wells are - - will be converted producers?

A Yes.

Q Presently drilled?

A That is right.

Q Now, this land involved here, part of it is State and the McIntyre lease, is that State or Federal lease?

A Referring again to Exhibit Two, the west line of Section 16, and the east line of Section 17, is the boundary between Federal and State land. The McIntyre D & F leases, being on the Federal land.

Q Has your proposed waterflood program been submitted to the USGS?

A Yes, it has.

Q I have discussed this with Mr. Kanoff in the Artesia

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oil and the material as shown caused equal distribution of water across the entire field. We do feel that some of oil will not occur on any of the other.

Q In other words, would you say that all of the interests involved here will be completely protected by your proposed program?

A That is right.

Q What type of water will you use in this injection program?

A Fresh water from the Caprock Water Company line which brings water into this area from the Los County Water Basin.

Q Do you have a contract with the Caprock Water Company?

A Yes, we do. And a line is connected to the lease at the present time.

Q What volume of water do you anticipate you will inject?

A An estimate, approximately 200 barrels per well per day for the initial injection.

Q Has your proposed program been submitted to the office of the State engineer?

A Yes, it has. We have a letter dated December 10, 1963 from Mr. Reynolds, State Engineer, and --

Q By Mr. Frank Icky, is it not?

A By Mr. Frank Icky, yes. In which he refers -- reference is made to the application of Harlan Production Company, which seeks approval of their proposed plan of waterflood in Section 16 and 17, Township 17 South, Range 30 East, Grayburg-Jackson Field. The formation to be flooded is the Queen or Red Sand, found at



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approximately 2,075 feet. It is noted in the application that each injection well will be equipped with tubing and packer, with a packer set in the bottom of the cemented oil string. The application and the exhibits attached thereto indicate that no threat of contamination to the fresh waters which may exist in the area will occur if the plan is followed. Therefore, this office offers no objection to the granting of the application.

Q Now, do you anticipate that there will be any expansion of this waterflood project in the future?

A Yes, we do. But, are not in the position to project what might be that development at this time.

Q Do you ask that in any order entered by the Commission make a provision for expansion of the project by administrative approval?

A Yes, we will.

Q Were Exhibits One through Seven prepared by you or under your supervision?

A They were prepared by me.

MR. KELLAHIN: At this time, I would like to offer in evidence Exhibits One through Seven.

MR. NUTTER: Applicant's Exhibits One through Seven will be admitted in evidence.

(Whereupon, Applicant's Exhibits One, through Seven were admitted into evidence by the Examiner)

MR. KELLAHIN: That is all I have on direct examination,



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Mr. ROBERT:

MR. BUTTER: Anyone have any questions of Mr. Emanuel?

MR. DURRETT: Yes, I have a question.

CROSS EXAMINATION

BY MR. DURRETT:

Q Mr. Emanuel, are these wells which are marked six and 2-J, which are southeast of your Number Ten that you have on your Exhibit Number Two, are those producing from the Queen?

A That is right.

Q Do you expect them to receive a response from your flood as you have your injection wells located?

A They undoubtedly will enter into the second phase of development of injection wells which we are not prepared to submit at this time.

Q But, at this time, you don't expect them to receive a response from the flood that you are proposing today necessarily, do you?

A We expect the principal response to be in well Number 8 and Number 7. Then, on the McIntyre F Number One, as a matter of information, on the sand conditions there, I might add that this is a small sand lens in which to the south there is a very definite pinch out as the structure becomes higher. Then, dipping to the north, the sand has a tendency to thicken. We are aware of water wet sand conditions down dip to the north, which may be a hazard



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to our project. sands to the north tend to become better developed and make- - may carry water down dip.

Q One other question, am I correct that your waterflood that you are proposing, you do propose that it be governed by Rule 701, the usual allowable provisions?

A Yes.

MR. DURRETT: Thank you.

* * * *

EXAMINATION

BY MR. NUTTER:

Q Mr. Emanuel, referring to Exhibit Number Three, you have the yellow area outlined.

A Yes, sir.

Q Now, as far as you know, there is no other Queen production except within this yellow area?

A That is right.

Q Other than three or four miles to the west, is that correct?

A That is right. The High Lonesome Field which may be in excess of, oh, seven or eight miles northwest, to my knowledge, is the nearest Queen Sand production.

Q Now, when you mentioned that later on you may expand the waterflood project, you are not thinking of expanding outside the yellow area, you are just thinking of conversion of additional wells



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within this yellow area; is that it?

A We think probably other injection wells may be needed to be drilled within the yellow boundaries that show there.

Q Is the Number 5-A presently abandoned or temporarily abandoned, or what is the status there?

A Number Five well originally produced from the Queen Sand approximately 17,000 barrels of oil.

Q And is currently plugged and abandoned?

A Yes.

Q Temporarily?

A Permanent plug.

Q It is P A A?

A Yes.

Q Mr. Emanuel, we received a waiver of objection from Mr. R. D. Collier on November 5th, he dated it November 4th, which he was waiving objection to a Number One W which was to be located in the extreme southwest corner of the 40 acre tract where Well Number Two is now. I note that he attached - - that attached to Exhibit Number One you have a waiver from Collier, but he is referring there to the injection of water into the Number Two. Have you abandoned plans for drilling that well in the extreme northwest quarter of that tract?

A Yes, we have. Number One W which was initially proposed was not acceptable to the United States Geological Survey. So, in order to balance injection across the line, we converted - - we



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proposed to convert number two.

Q I see. This waiver of November 4th is of no effect any more?

A That is right. Exhibit b of Exhibit one is a waiver dated November 21, 1963, which properly identifies the plan as submitted.

Q And supersedes this previous one?

A Yes.

Q Good. Now, I note that you do have it contained in Exhibit One. I would like for it to be in the record, though. The area under consideration here has produced approximately 313,000 barrels on primary; is that correct?

A The Harlan operated leases have produced approximately 313,000 barrels primary.

Q You anticipate that the secondary recovery potential by flooding is approximately five hundred thousand barrels?

A That is right.

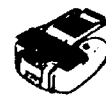
Q All right.

MR. NUTTER: Does anyone have any further questions of Mr. Emanuel? He may be excused. Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: That is all, Mr. Nutter. Thank you.

MR. NUTTER: Does anyone have anything they wish to offer in Case 2966?

MR. DURRETT: Mr. Kellahin, did you introduce Mr. Irby's



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Delivered as an exhibit.

MR. KENNEDY: No, I didn't. The original, of course, was directed to the Commission.

MR. DURRETT: If the Examiner please, I would like to state for the record that we have received the original of the letter from Mr. Ioby that has been referred to in testimony here today, and that it will be placed in the file as part of the record.

MR. BUTTER: Thank you, Mr. Durrett. If there is nothing further in case 2966, we will take that case under advisement.

* * * * *

STATE OF NEW MEXICO I

COUNTY OF BERNALILLO I

I, ROY D. WILKINS, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal of Office, this 10th day of January, 1964.

[Signature]
NOTARY PUBLIC

I do hereby certify that the foregoing is
My Commission Expires complete record of the proceedings in
September 6, 1967. the Examiner hearing of Case No. 2966
heard by me on 1/8 1964.

[Signature] Examiner
New Mexico Oil Conservation Commission

