

Case No.

963

Application, Transcript,
Small Exhibits, Etc.

CASE 963: SOUTHEASTERN NEW MEXICO NOMENCLATURE

Wells affected by October hearing

Case 957-Creation of the Sanmal

Cactus Drilling Co. Western State #1-H 4-17-33

Case 963-A Creation of Sawyer-Devonian

Warren Pet. Corp. Fed. Simmons #1-L 7-9-38

Case 963-B Creation of the York-Wolfcamp

Cities Service Oil York #1-N 12-16-34

Case 963-C Creation of Shoe-Bar-Penn. Gas Pool

Western Nat. Gas Grambling State #1-A 34-16-35

Case 963-D Creation of Bagley-Pennsylvanian Gas Pool

Amerada Pet. Corp. Shell-Amerada State "A" Unit #1-P 33-11-33

Case 963-E Extension of the Arrow Gas

The Texas Co. V. M. Henderson #4-C 30-21-37

Case 963-F Extension of the Blinebry Gas Pool

Gulf Oil Corp. T. R. Andrews #2-G 32-22-38

Case 963-G Extension of the E-K Queen

The Ohio Oil Co. State EKA #1-J 18-18-34

The Ibex Company McElvain Fed. #1-B 25-18-33

Case 963-Deletion of areas from the North Wilson

Case 963-I- Extension of the Eumont

Gulf Oil Corp. Lea State DA #6-P 11-19-36

Gulf Oil Corp. Lea State DA #7-I 11-19-36

Morris R. Antweil Union-State #1-A 30-20-36

Case Sinclair Oil & Gas State Lea 407 #1

Gulf Oil Corp. has State DA #8-D 11-19-36

Case 963 -J Extension of the ~~XXXXXX~~ Monument-Blinebry

Anderson-Frithard Oil Corp. Britt Fed. #13-J 7-20-37

Case 963-K Extension of the Townsend-Wolfcamp

Pure Oil Co State Lea C #1-A 17-16-35

Shell Oil Co. State ETA #2-I 8-16-35

Case 957 (Readvertised) Creation of a new pool

County LEA

Pool SANMAY

TOWNSHIP 17 *South*, RANGE 33 *East*, NEW MEXICO PRINCIPAL MERIDIAN

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

Producing Formation: San Andres

Depth Range: 0-5

Purpose: To create a pool for

Cactus Drilling Co. Western State #1-H 4-17-33, comp. in San Andres 7/22/55
depth to casing show 4564

Proposed Boundary : Colored in Red -NE/4 of Section 4

(A)

Case 963: Creation of a new pool

County Lea Pool Sawyer-Devonian

TOWNSHIP 9 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN

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

Producing Formation-Devonian Depth Range -11-12

Purpose: To create a pool for

Warren Pet. Corp. Federal Simmons #1-L 7-9-38 comp. in Dev. 2/13/55 tp.11, 618

Proposed Boundary : Colored in Red SW/4 of Section 7

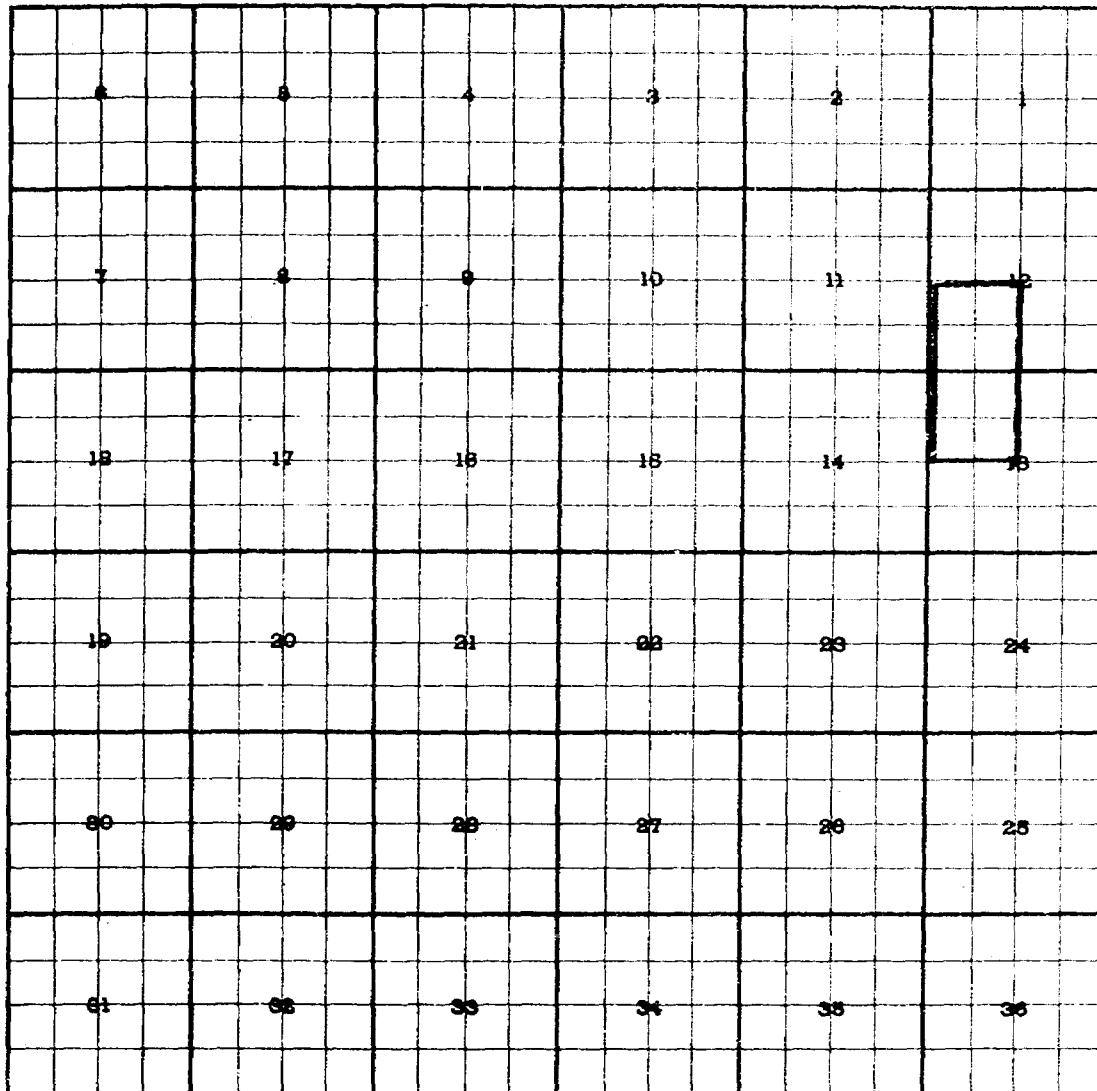
Case 963: Creation of a new pool

(B)

County LEA

Pool YORK-WOLFCAMP

TOWNSHIP 16 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Wolfcamp Depth Range : 10-11

Purpose: To create a pool for

Cities Service Oil Co. York #1-N 12-16-34 comp. in Wolfcamp 8/23/55 t.p. 10,599

Proposed Boundary : Colored in Red Sec. 12, SW/4; Sec. 13, NW/4

Case 963: Creation of a new pool (Gas)

(C)

County LEA Pool SHOT-BAR PENNSYLVANIAN

TOWNSHIP 16 *South*, RANGE 35 *East*, NEW MEXICO PRINCIPAL MERIDIAN

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

Producing Formation: Pennsylvanian

Depth Range : 12-13

Purpose: To create a pool for

Western Natural Gas Co. State Grambling #1-A 34-16-35 gas distillate well
comp. in Penn. 1/22/54 t.p. 12,310

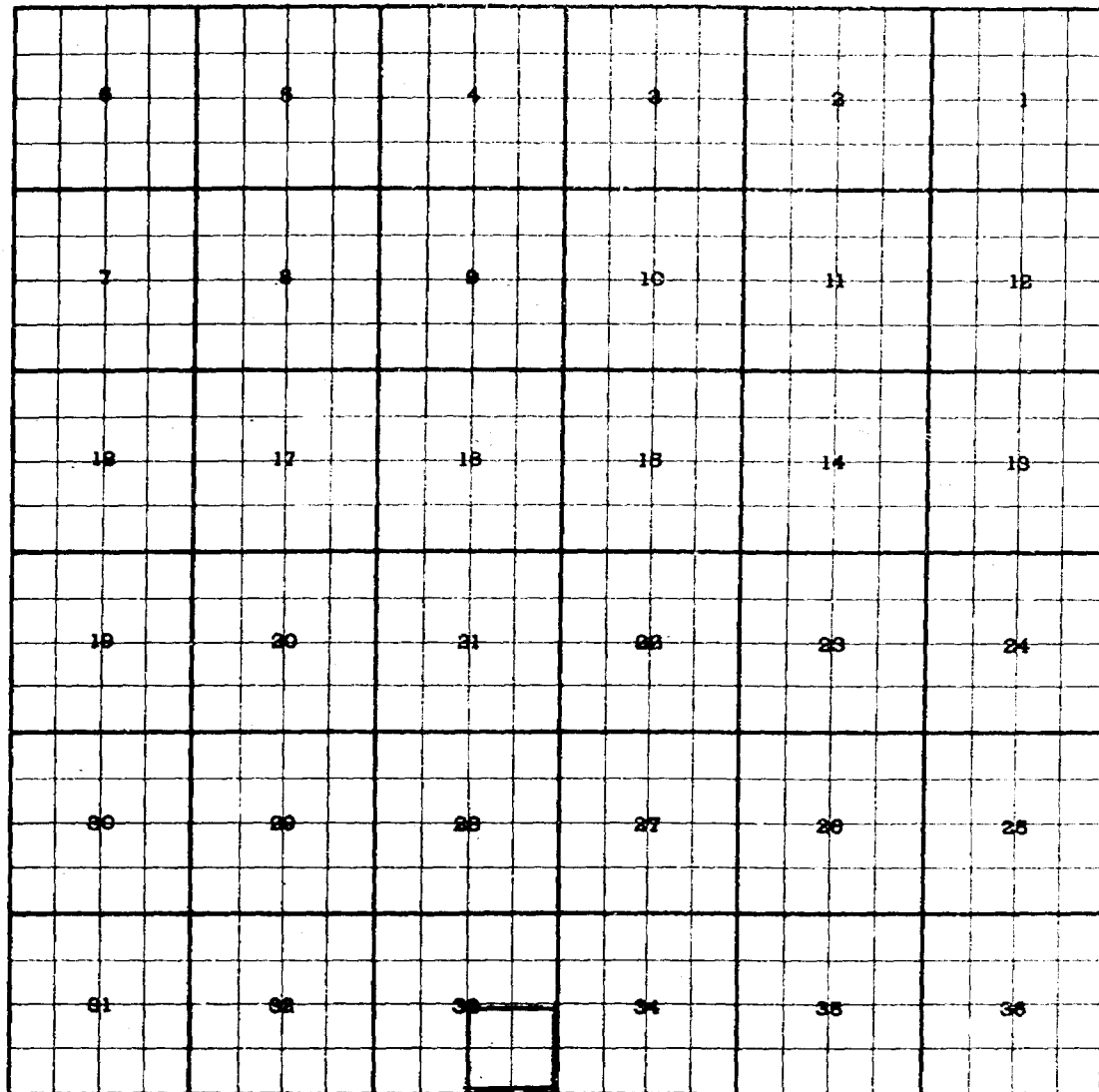
Proposed Boundary : Colored in Red Sectionon 34: E/2

Case 963 : Creation of a new pool Bagley-Pennsylvanian Gas

(D)

County LEA Pool BAGLEY-PENNSYLVANIAN

TOWNSHIP 11 South, RANGE 33 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formations: Pennsylvanian Depth Range : 9-10

Purpose: To create a pool for -

Amerada Pet. Corp. Shell-Amerada State "A" Unit #1-P 33-11-33 gas distillate
well completed in Perm. 10/23/51 t.perf. 9305

Proposed Boundary : Colored in Red SE 1/4 of Section 33

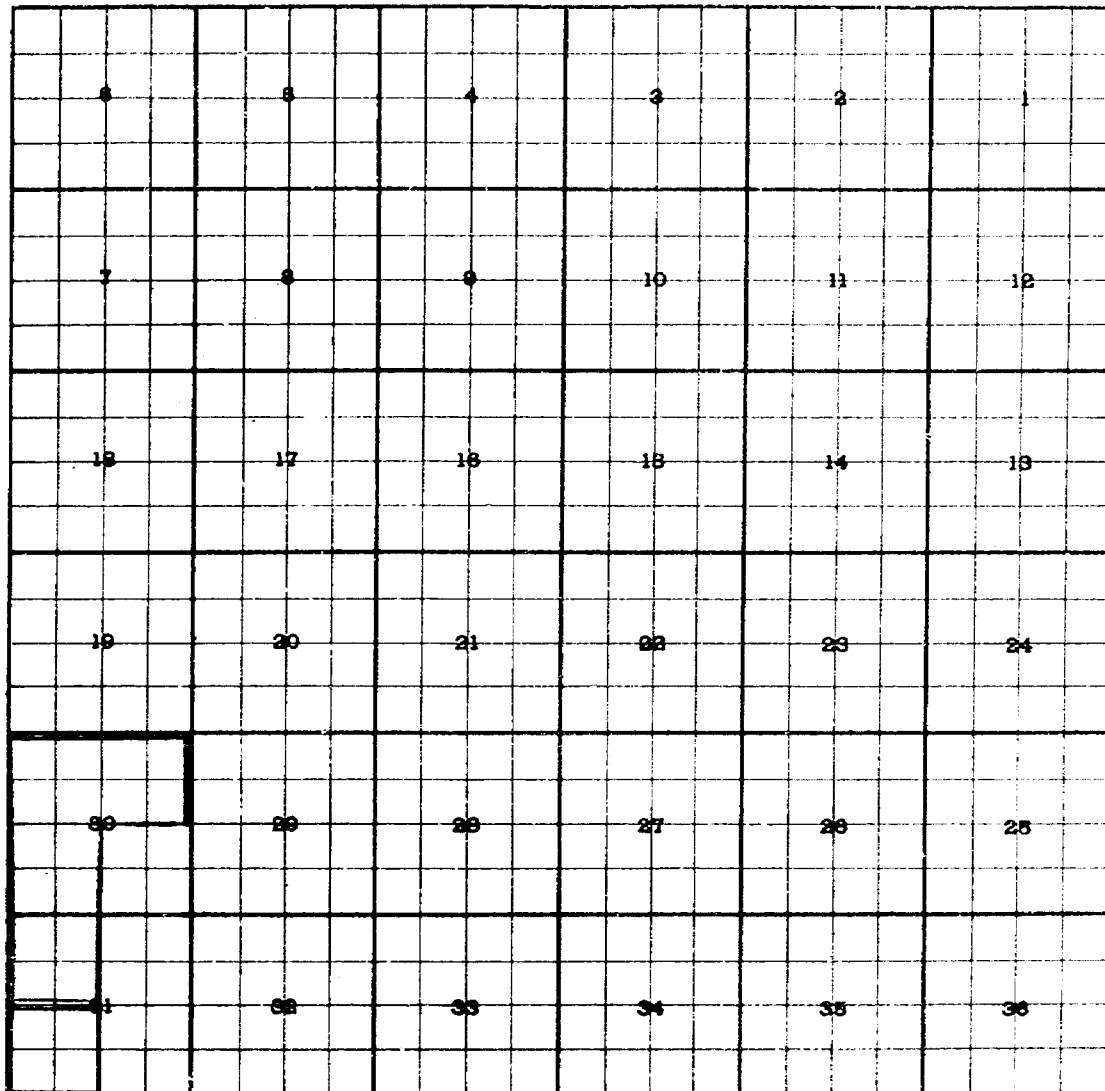
Case 963 : Extension of an existing pool ARROW GAS

(E)

County LEA

Pool ARROW

TOWNSHIP 21 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formations: From the top of the Yates to the base of the Queen
Depth Range-0-5

Purpose: To extend the pool for the inclusion of-

The Texas Company V. M. Henderson #4-G 30-21-37 completed as a gas well in the
Queen 8/22/55 depth to casing show 3480

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green - Advertised NW/4 Sec. 31

N/2 Sec. 30

Unadvertised

SW/4 Sec. 30

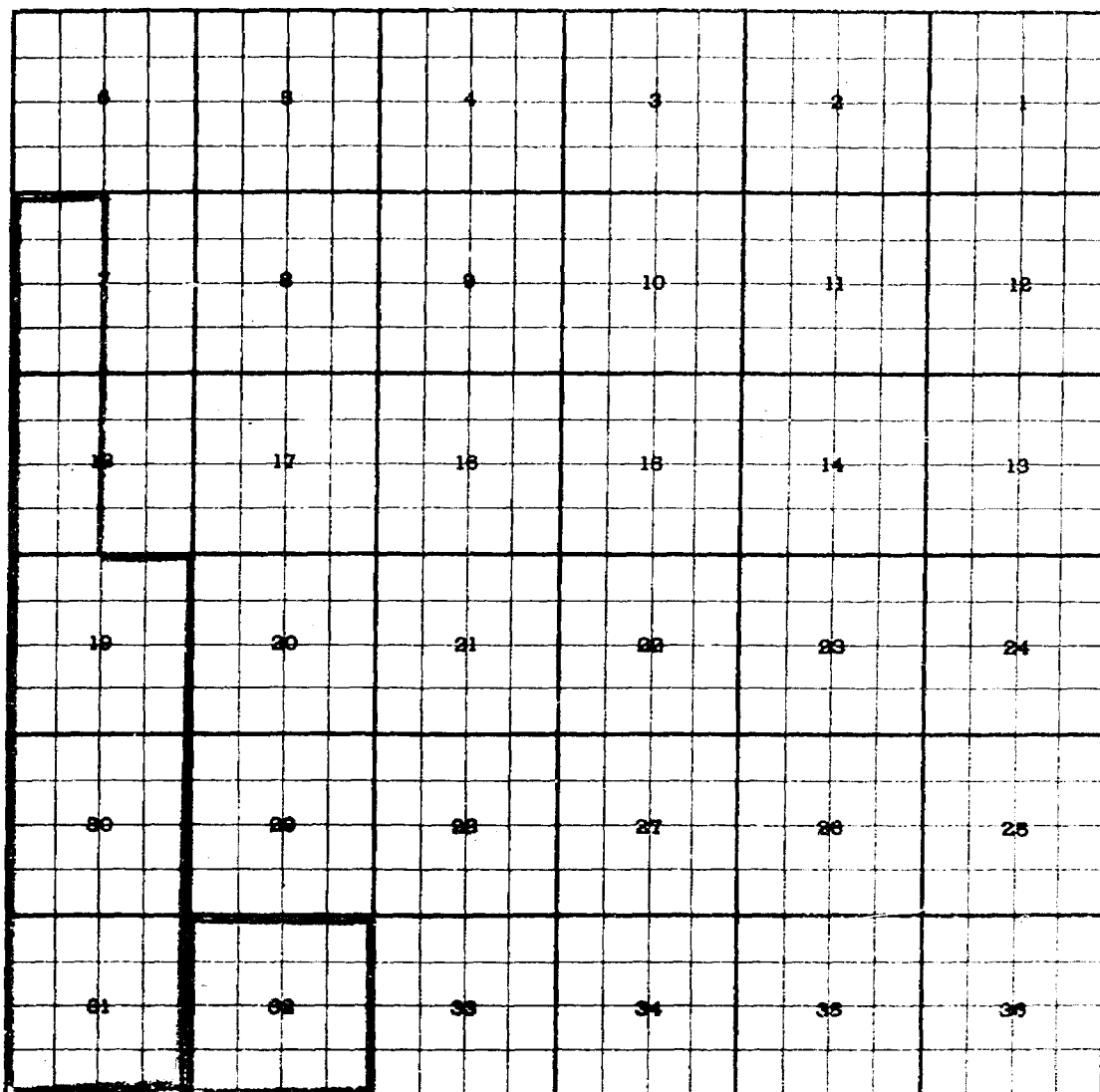
Case 963: Extension of an existing pool-Blinebry Gas

(F)

County LEA

Pool BLINEBRY

TOWNSHIP 22 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formations: Blinebry Depth Range : 5-6

Purpose: To extend the pool for the inclusion of -

Gulf Oil Corp. T. R. Andrews #2-G 32-12-38, completed as gas-gas dual
in Blinebry and Tubb 4/16/55 t.p. 5580

Existing Boundary : Colored in Red

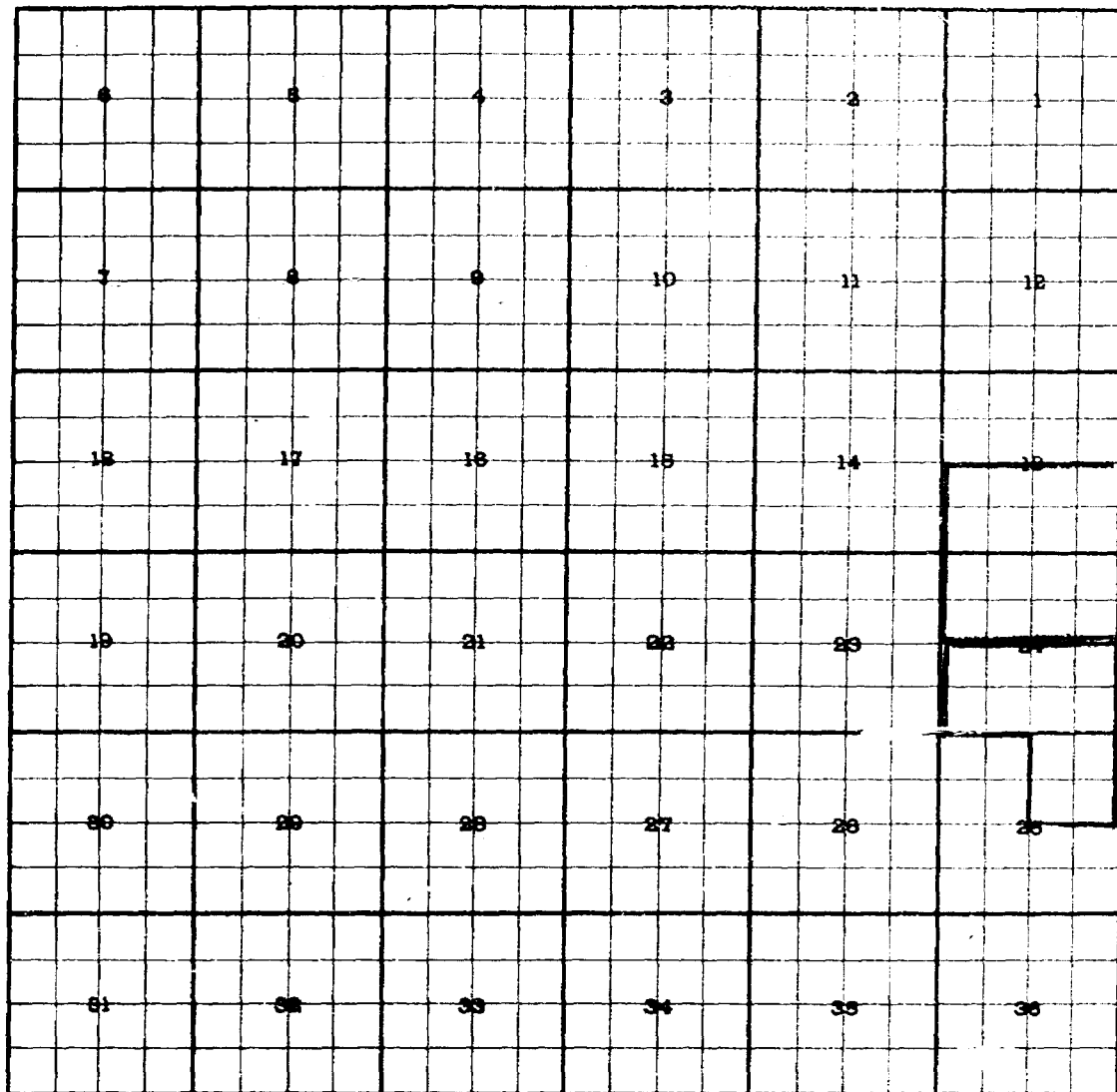
Proposed Extension: Colored in Green -Section 32-A11

(Q)

Case 963: Extension of an existing pool EK Queen

County LEA Pool F-K QUEEN

TOWNSHIP 18 South, RANGE 33 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Queen Depth Range 0-5

Purpose: To extend the pool for the inclusion of-

The Ibox Company McIlvain Fed. #1-B 25-18-33 comp. in lower Queen 2/11/55
dos. 4640

Existing Boundary : Colored in Red

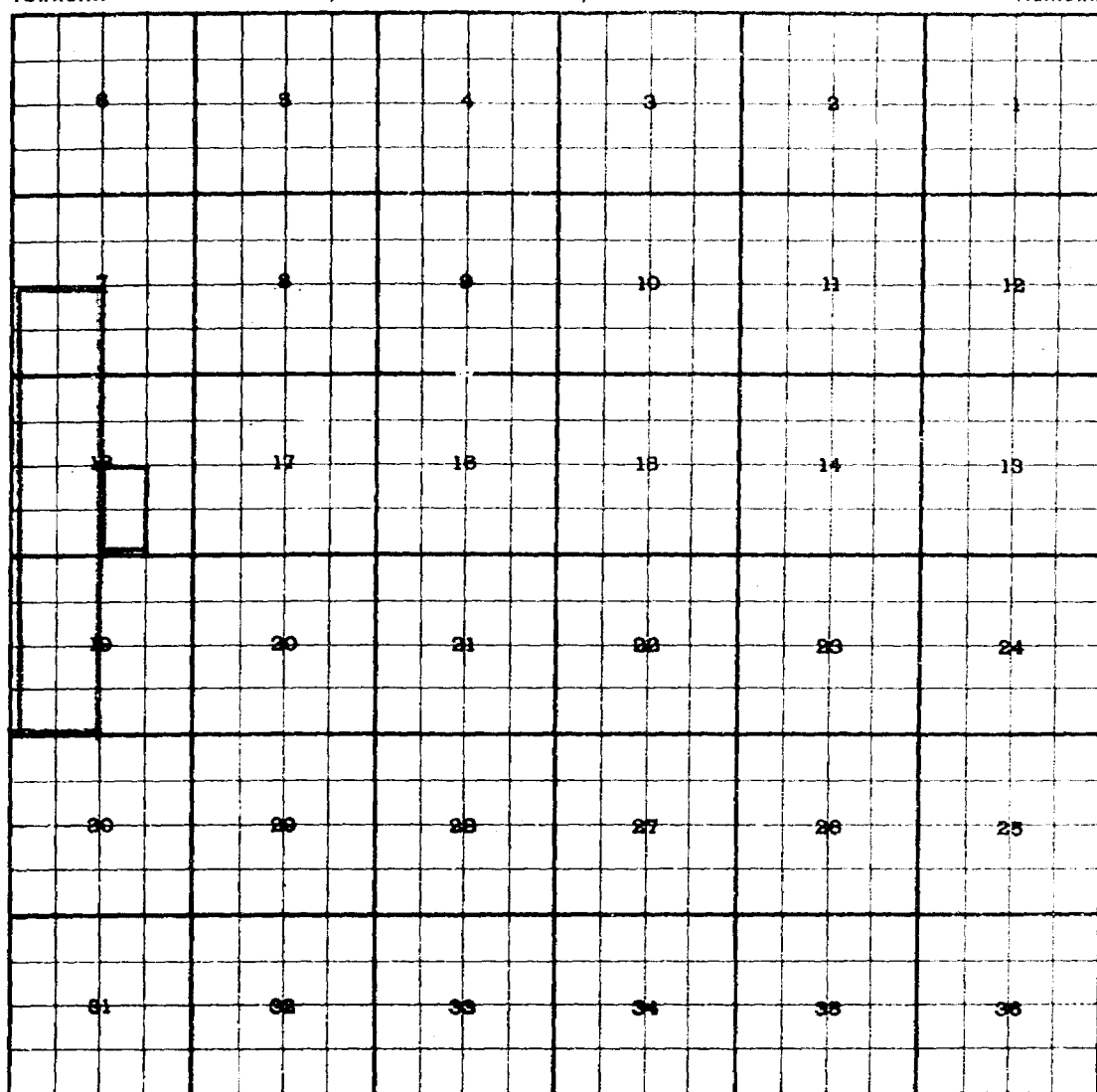
Proposed Extension: Colored in Green S/2 Sec. 24 ; NE/4 Section 25

Case 963 : Extension of an existing pool

(G)

County LEA Pool E-K QUEEN

TOWNSHIP 18 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Queen Depth Range 0-5

Purpose: To extend the pool for the inclusion of-

The Ohio Oil Co. State EKA #1-J 18-18-34 comp. in Queen 7/26/55
top perf. 4472

Existing Boundary: Colored in Red

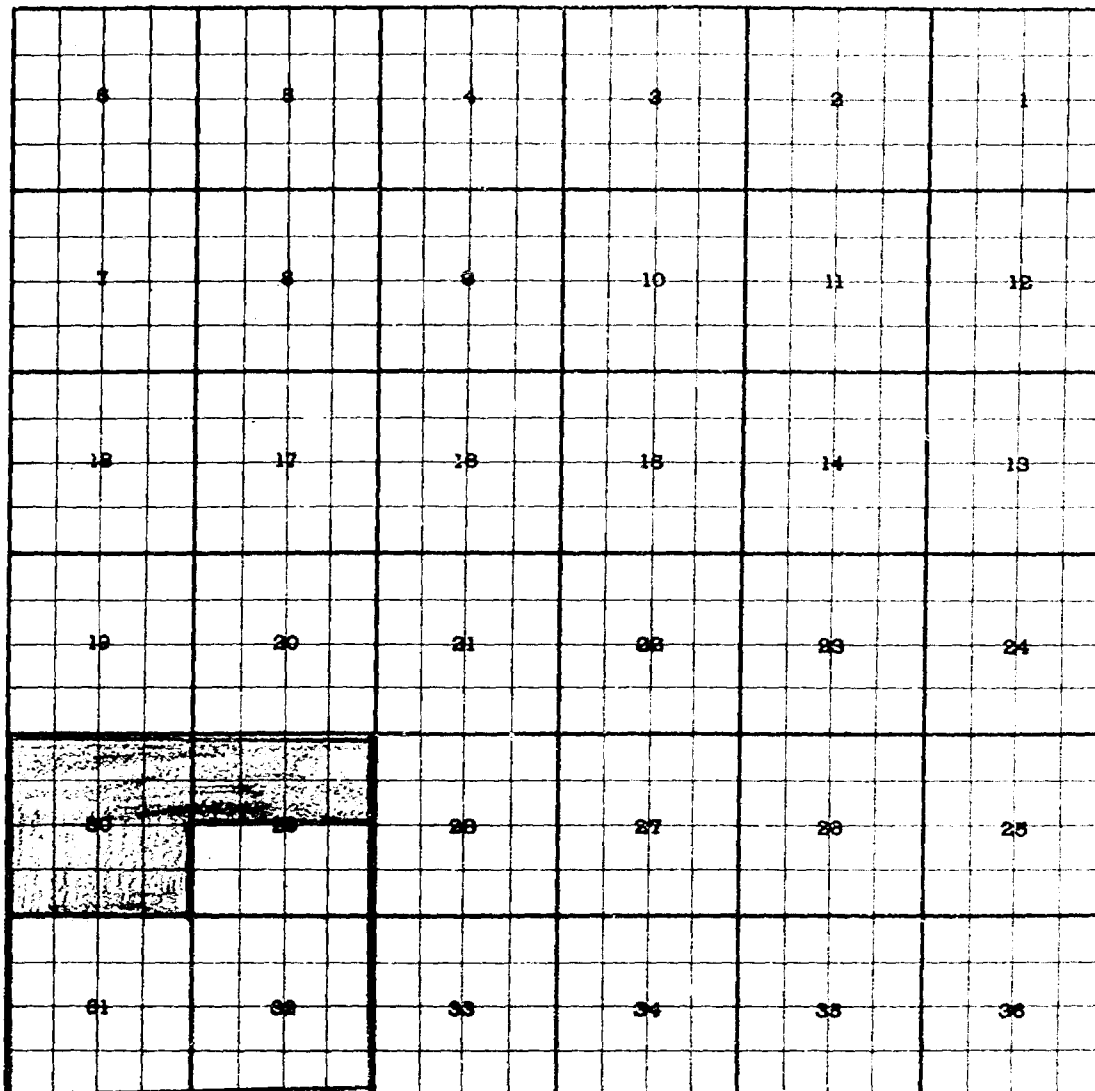
Proposed Extension: Colored in Green W/2 SE/4 Sec. 18

Case 903 : Deletion of certain areas from a pool

(H)

County LEA Pool NORTH WILSON

TOWNSHIP South, RANGE East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Yates, Seven Rivers Depth Range: 0-5

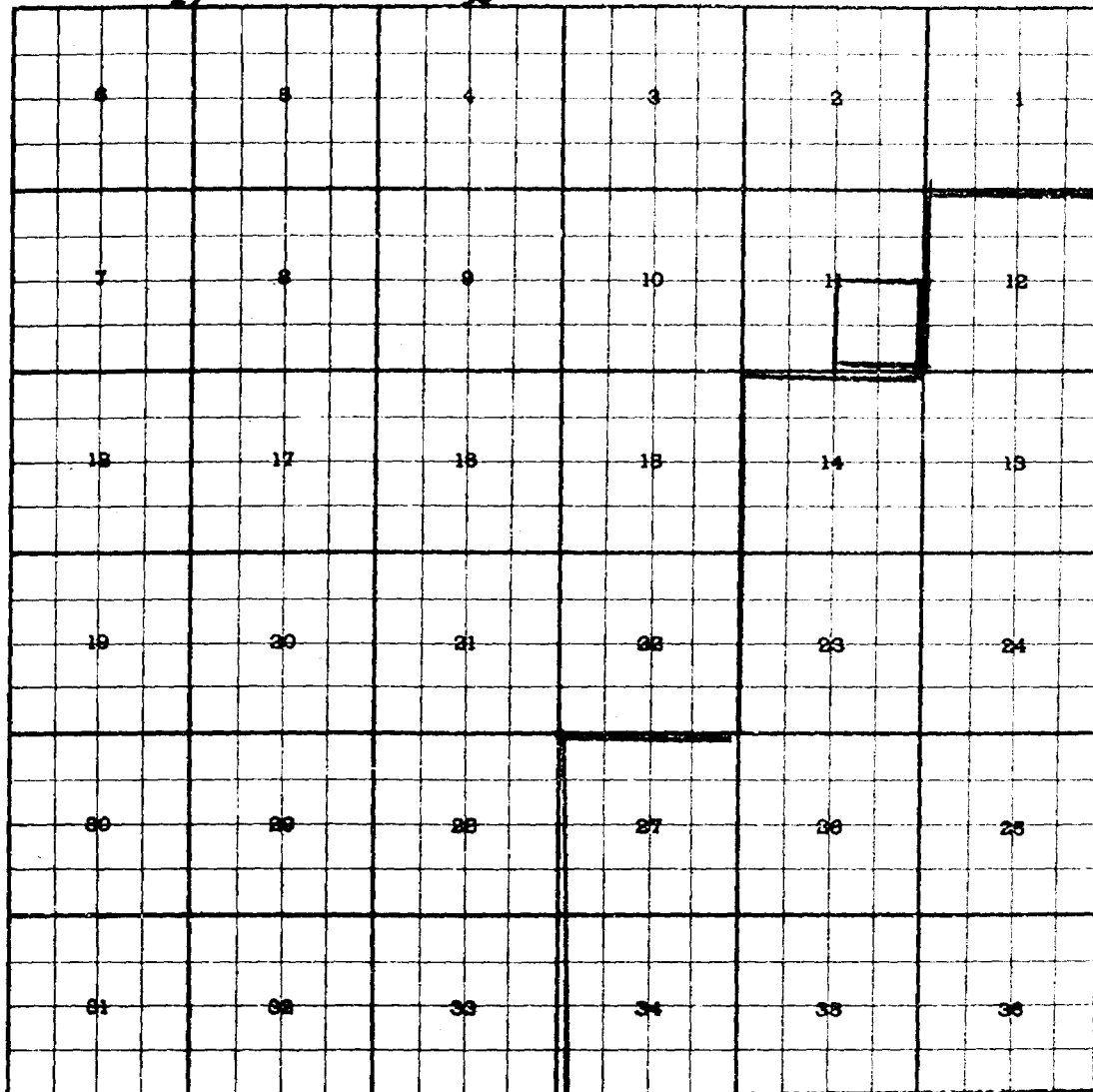
Existing Boundary : Colored in Red

Proposed Deletion: Colored in Green Sec. 29-N/2, Sec. 30-All

Case 963: Extension of an existing pool Unadvertised (I)

County LEA Pool EUMONT

TOWNSHIP 29 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Yates, S R and Queen Depth Range : 0-5

Purpose: To extd the pool for the inclusion of-

Gulf Oil Corp. Lea State DA #6-P 11-19-36 comp. in Queen 9/2/55 dos. 3899

Gulf Oil Corp. Lea State DA #6-P 11-19-36 comp. in Queen 9/2/55 dos. 3924

Gulf Oil Corp. Lea State DA #8-I 11-19-36 comp. in Queen 8/14/55 dos. 3990

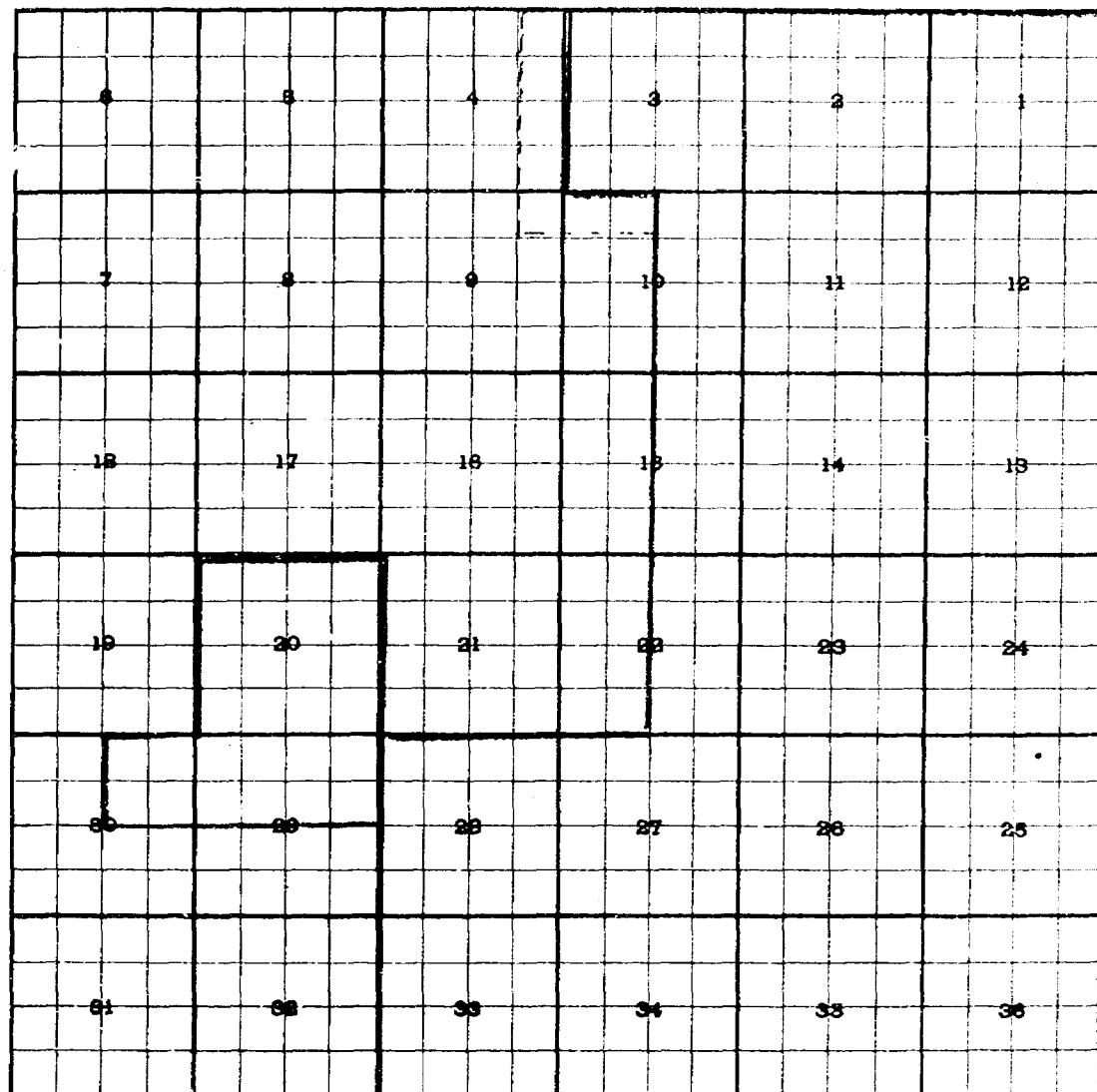
Existing Boundary : Colored in Red

Proposed Extension: Colored in Green SE/4 Sec. 11

(1)

County Lea Pool ELBERT

TOWNSHIP 20 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



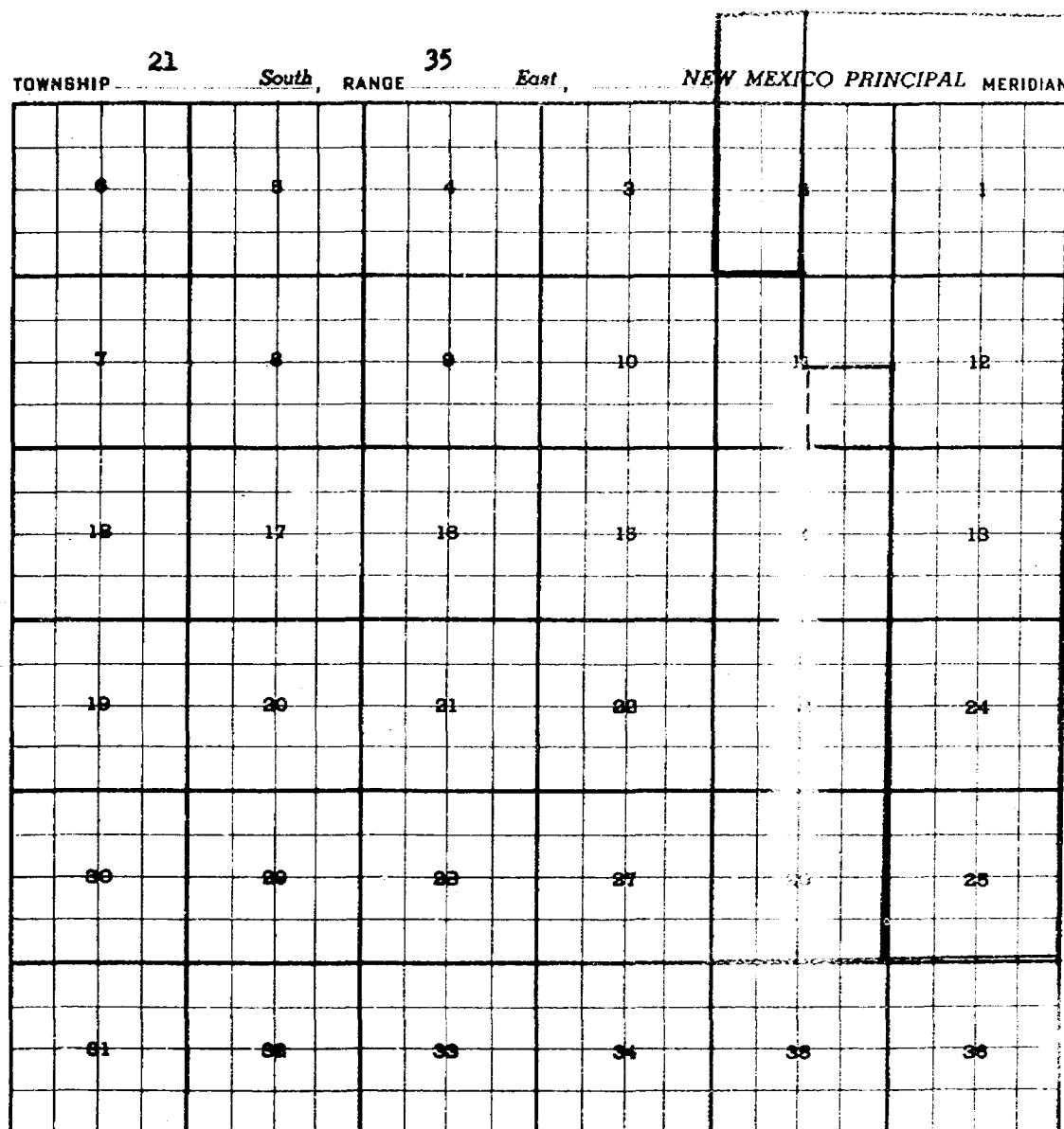
Purpose: To extend the pool to include -

Existing Boundary: Colored in Red -Dotted line indicates extension of Sept. hearing

Proposed Extension: Colored in Green Sec. 20-All; Sec. 29-N/2 Sec. 30: NE/4

(I)

Pcol EUMONT



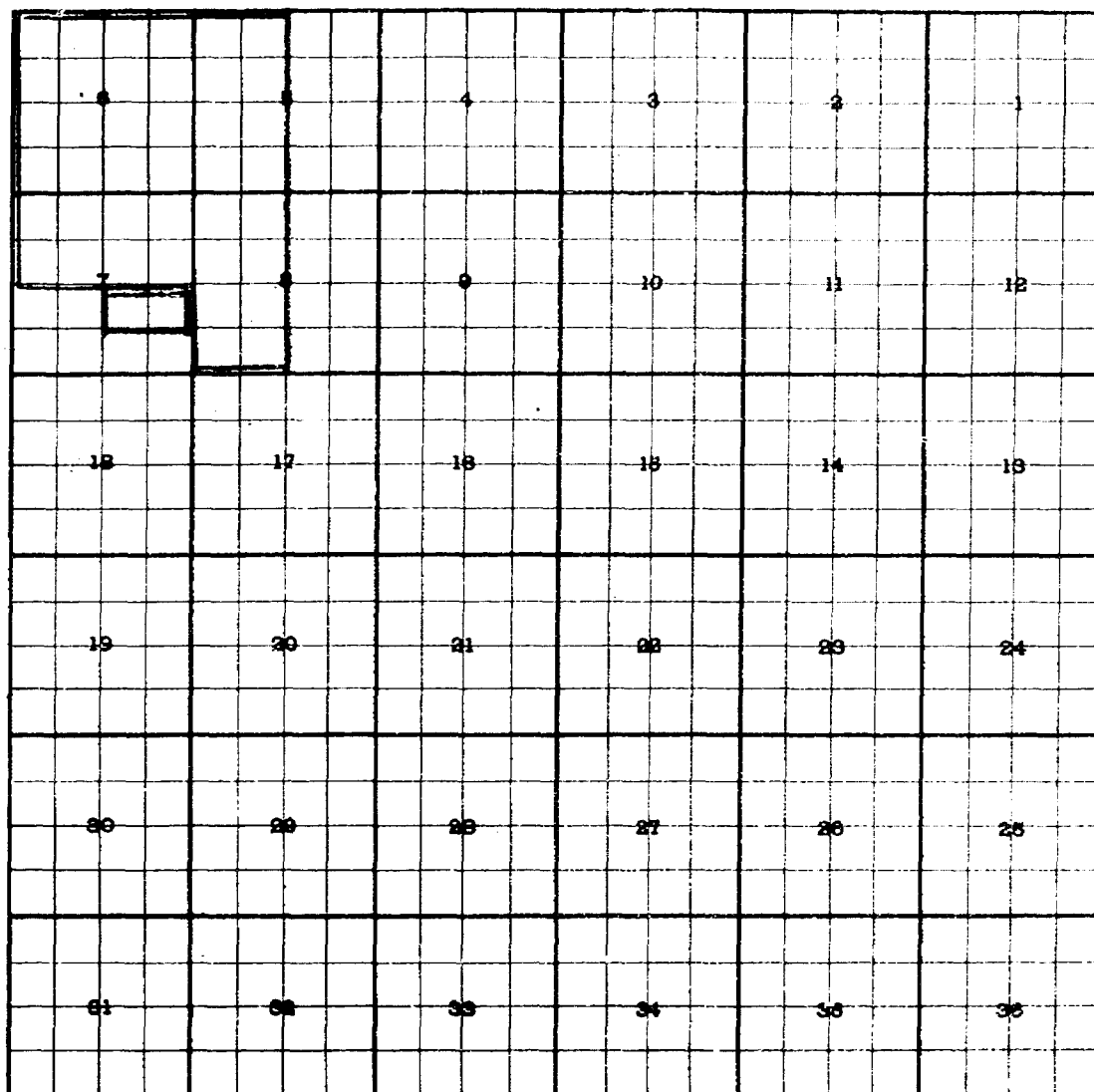
Existing Boundary : Colored in Red -Dotted line indicates extension of Sept. hearing
Proposed Extension: Colored in Green W/2 Section 2

Case 963; Extension of an existing pool Monument-Blinebry

(J)

County LEA Pool MONUMENT-BLINEBRY

TOWNSHIP 20 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



Depth Range : 5-6

Producing Formation: Blinebry

Purpose: To extend the pool for the inclusion of-

Anderson-Prichard Oil Corp. Britton Fed. #13-J 7-20-37 comp. in Blinebry 9/3/55
t.p. 5650

Existing Boundary: Colored in Red

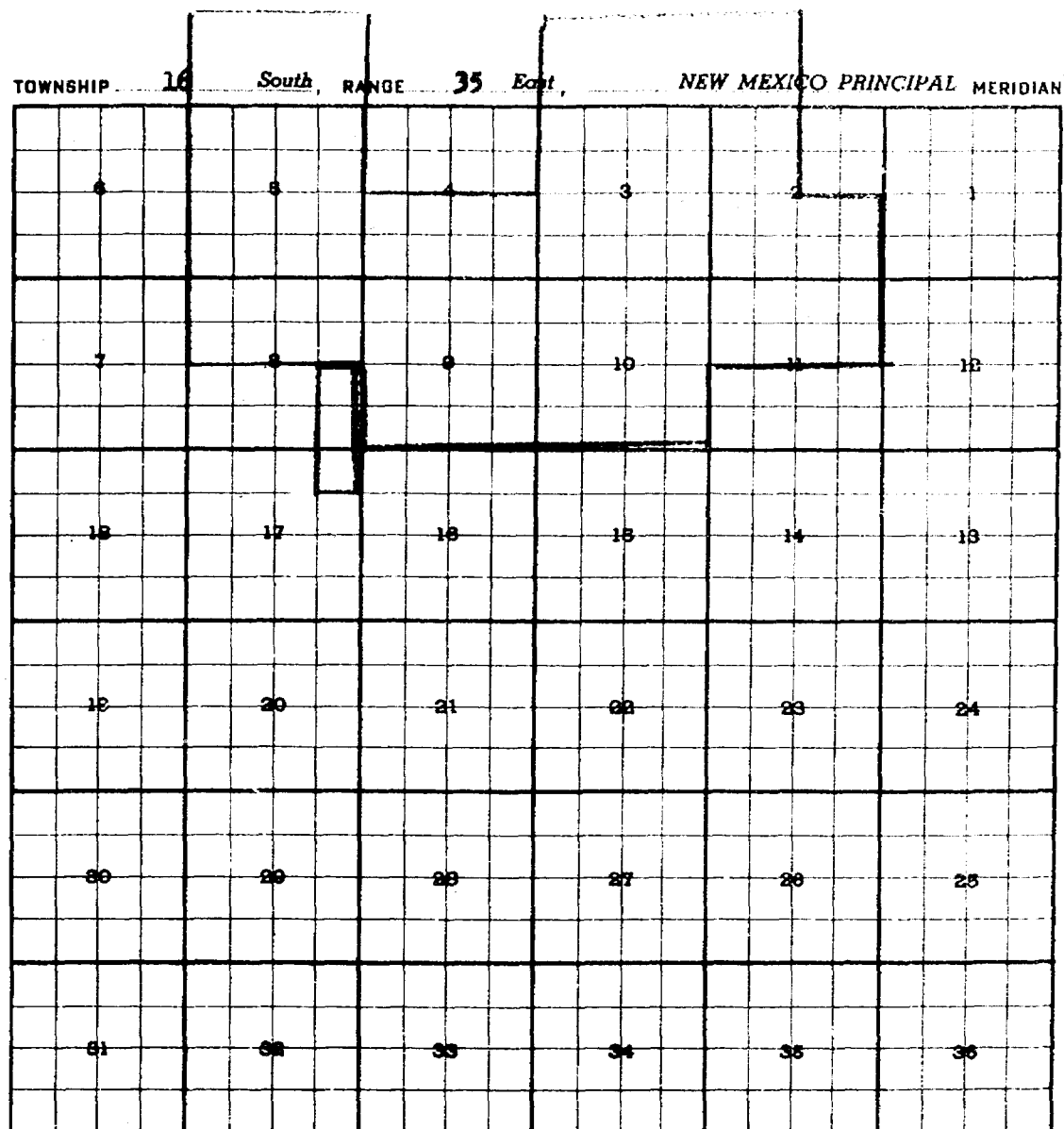
Proposed Extension: Colored in Green N/2 SE/4 Sec. 7

Case 963: Extension of an existing pool

(K)

County LEA

Pool TOWNSEND-WOLF CAMP



Producing Formation: Wolfcamp Depth Range: 10-11

Purpose: To extend the pool for the inclusion of:

Pure Oil Co. State Lea "C" #1-A 17-16-35 completed in Wolfcamp 7/22/55
t.p. 10,508

Shell Oil Co. State ETA #2-I 8-16-35 comp. in Wolfcamp 8/25/55 t.p.10,377

Existing Boundary: Colored in Red

Proposed Extension: Colored in Green -Sec. 8; E/2 SE/4,
Sec. 17: NE/4 NE/4

Case 963: Creation of a new pool

(A)

County Lea Pool Sawyer-Devonian

Ex 1

TOWNSHIP 9 South, RANGE 38 East, NEW MEXICO PRINCIPAL MERIDIAN

	1	2	3	4	5
	6	7	8	9	10
	11	12	13	14	15
	16	17	18	19	20
	21	22	23	24	25
	26	27	28	29	30
	31	32	33	34	35
	36	37	38	39	40

Producing Formation-Devonian Depth Range -11-12

Purpose: To create a pool for

Warren Pet. Corp. Federal Simmons #1-L 7-9-38 comp. in Dev. 8/13/55 tp.11, 618

Proposed Boundary : Colored in Red SW/4 of Section 7

Case 963: Creation of a new pool

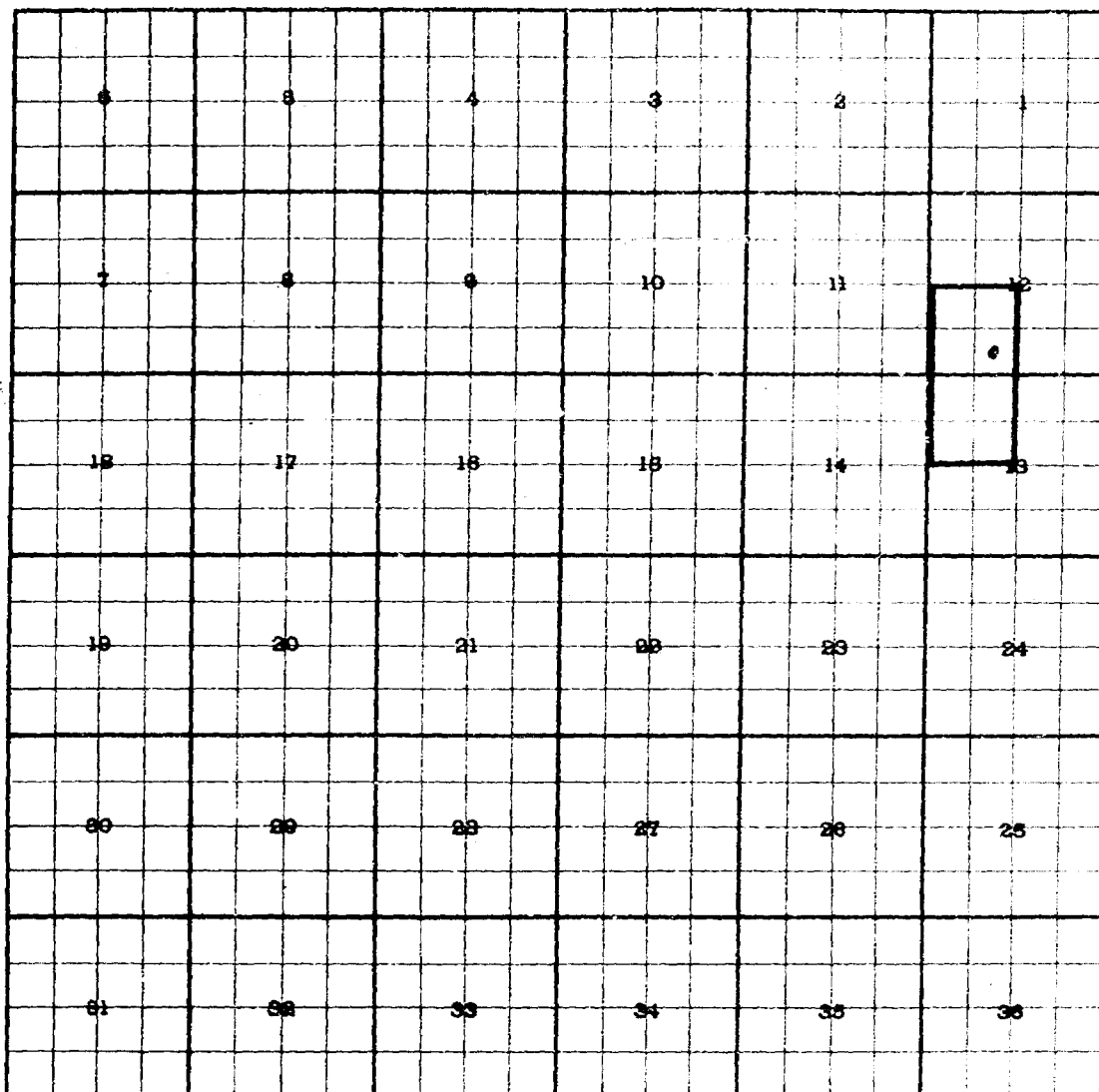
(B)

County LEA

Pool YORK-WOLFCAMP

Ex 2

TOWNSHIP 16 South, RANGE 34 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Wolfcamp

Depth Range : 10-11

Purpose: To create a pool for

Cities Service Oil Co., York #1-N 12-16-34 comp. in Wolfcamp 8/23/55 t.p. 10,599

Proposed Boundary : Colored in Red Sec. 12, SW/4; Sec. 13, NW/4

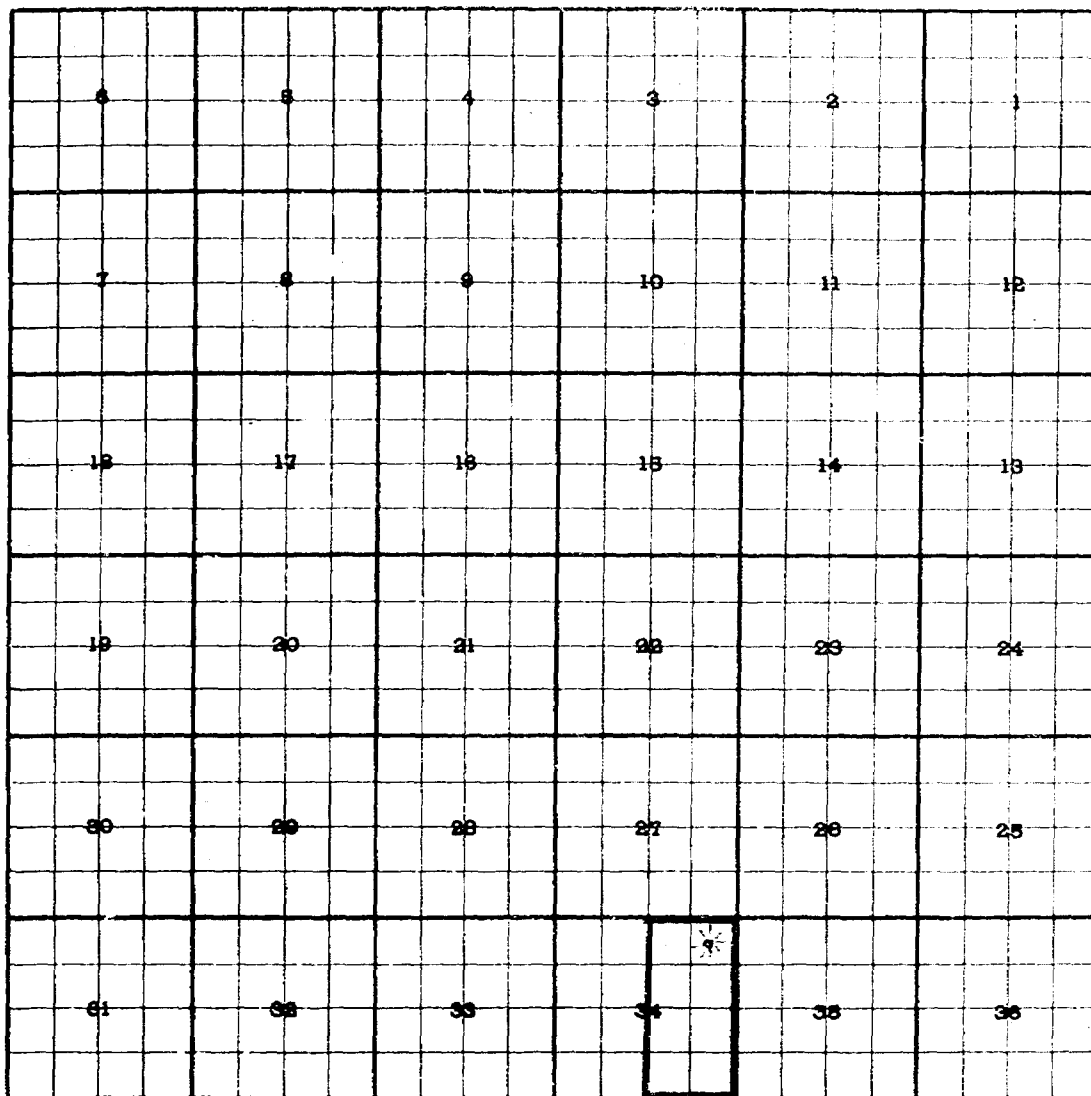
Case 963: Creation of a new pool (Gas)

(C)

County LEA Pool SHOE-BAR PENNSYLVANIAN

Ex 3

TOWNSHIP 16 South, RANGE 35 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Pennsylvanian

Depth Range : 12-13

Purpose: To create a pool for

Western Natural Gas Co. State Grambling #1-A 34-16-35 gas distillate well
comp. in Penn. 1/22/54 t.p. 12,310

Proposed Boundary : Colored in Red Section 34: E/2

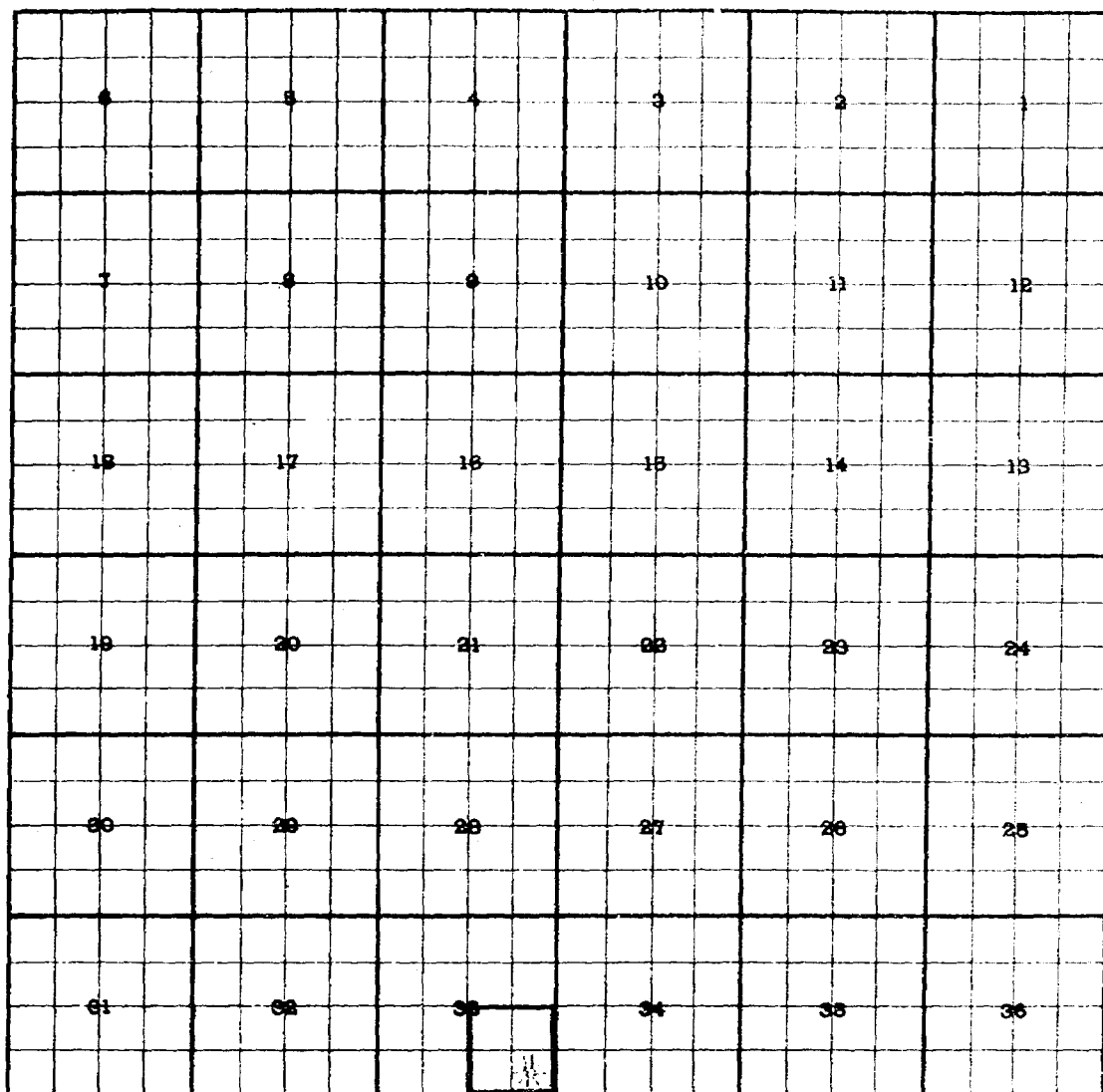
Case 963 : Creation of a new pool Bagley-Pennsylvanian Gas

(D)

County LEA Pool BAGLEY-PENNSYLVANIAN

Exp 4

TOWNSHIP 11 South, RANGE 33 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Pennsylvanian

Depth Range : 9-10

Purpose: To create a pool for -

Amerada Pet. Corp. Shell-Amerada State "A" Unit #1-P 33-11-33 gas distillate
well completed in Penn. 10/23/51 t.perf. 9805

Proposed Boundary : Colored in Red SE/4 of Section 33

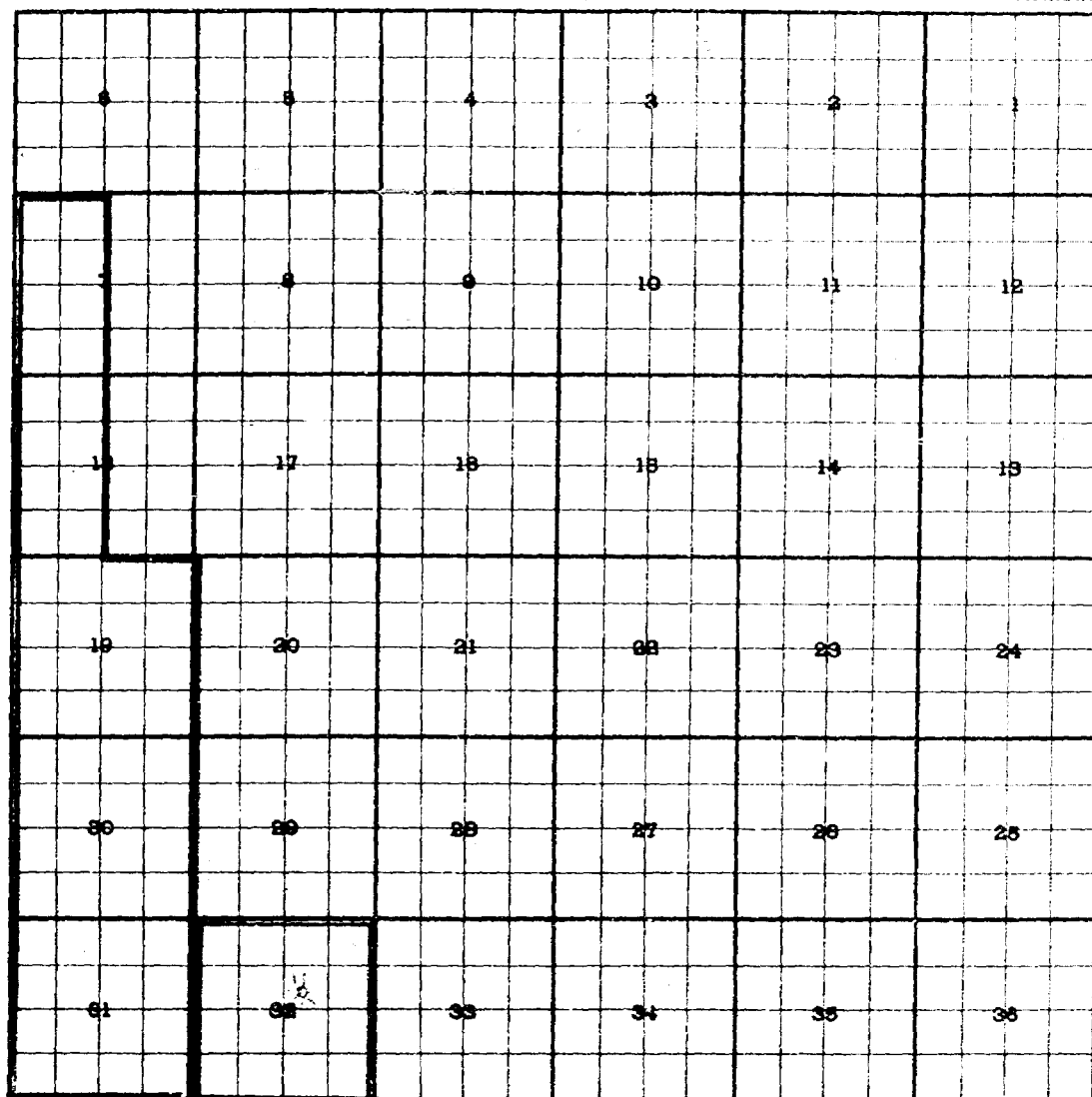
SW/4 Sec. 30

Case 963: Extension of an existing pool-Blinebry Gas

(F)

County LEA Pool BLINEBRY

TOWNSHIP 22 *South*, RANGE 38 *East*, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Blinebry Depth Range : 5-6

Purpose: To extend the pool for the inclusion of -

Gulf Oil Corp. T. R. Andrews #2-G 32-22-38, completed as gas-gas dual
in Blinebry and Tubb 4/16/55 t.p. 5580

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green -Section 32-A11

(G)

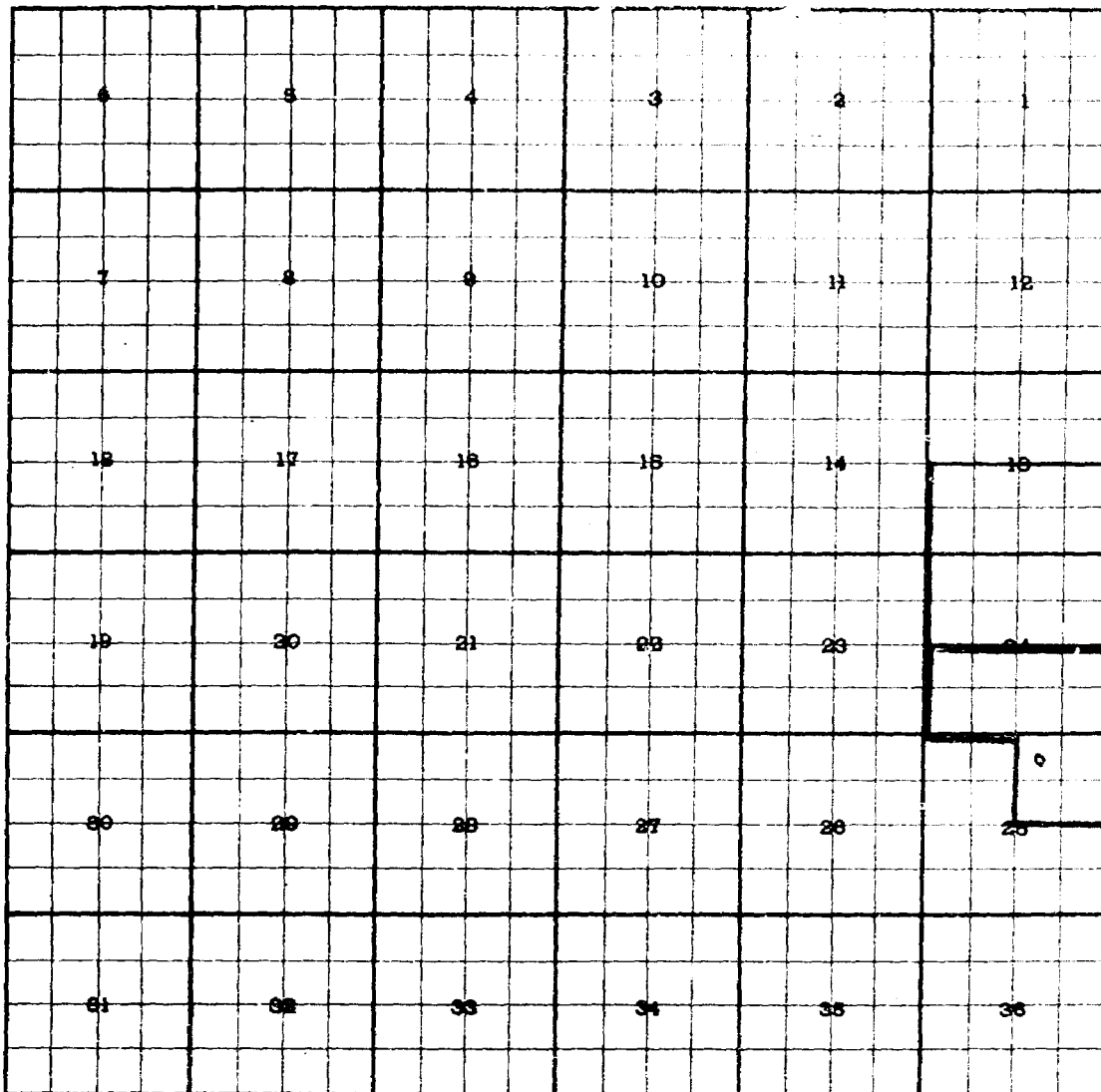
Case 963: Extension of an existing pool EK Queen

County LEA

Pool E-K QUEEN

8/7

TOWNSHIP 18 *South*, RANGE 33 *East*, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Queen Depth Range 0-5

Purpose: To extend the pool for the inclusion of-

The Ibex Company McElvain Fed. #1-B 25-18-33 comp. in lower Queen 8/11/55
acs. 4640

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green S/2 Sec. 24 ; NE/4 Section 25

Case 963 : Extension of an existing pool

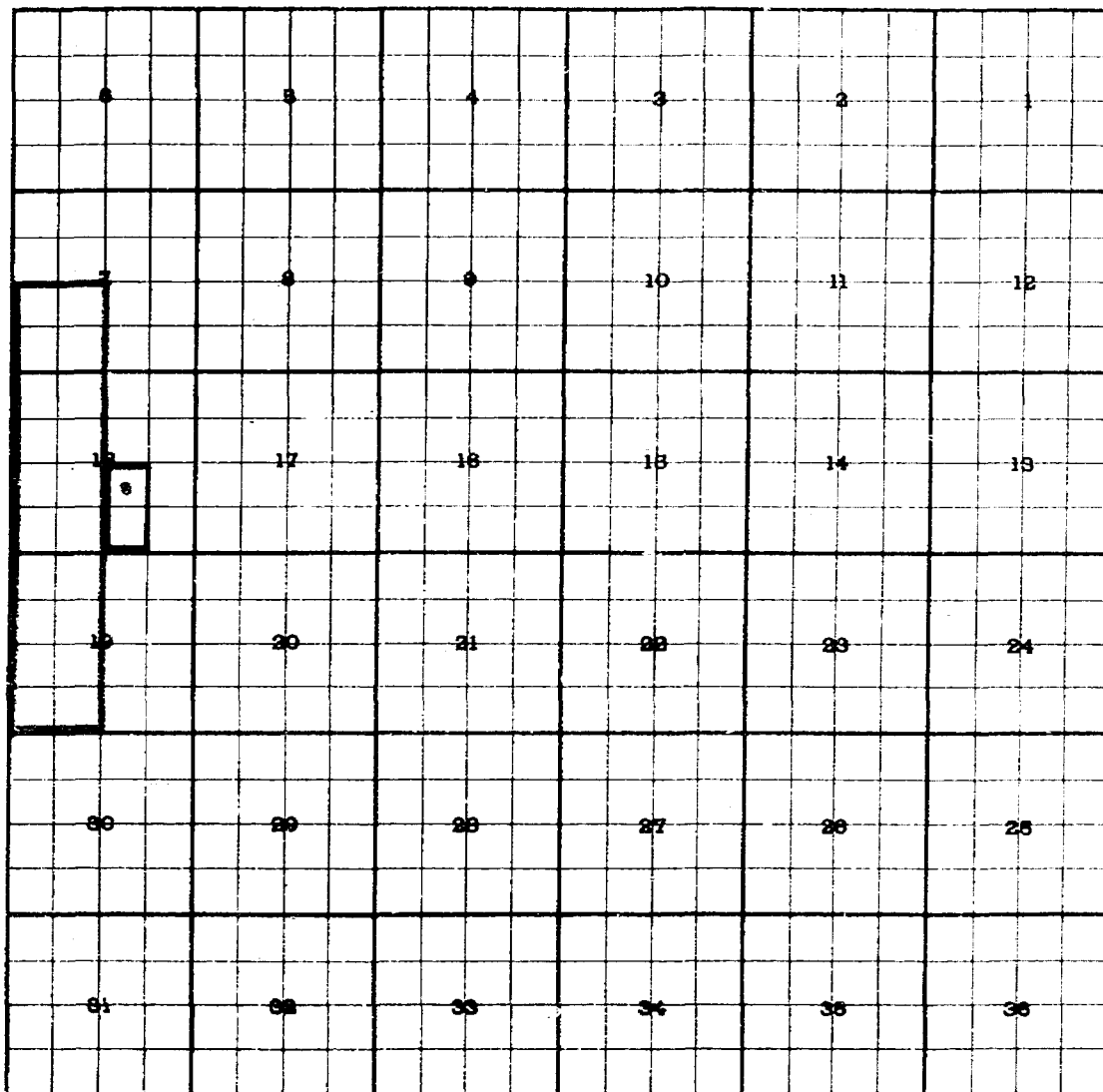
(G)

County LEA

Pool E-K QUEEN

Ex 8

TOWNSHIP 18 *South*, RANGE 34 *East*, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Queen Depth Range 0-5

Purpose: To extend the pool for the inclusion of-

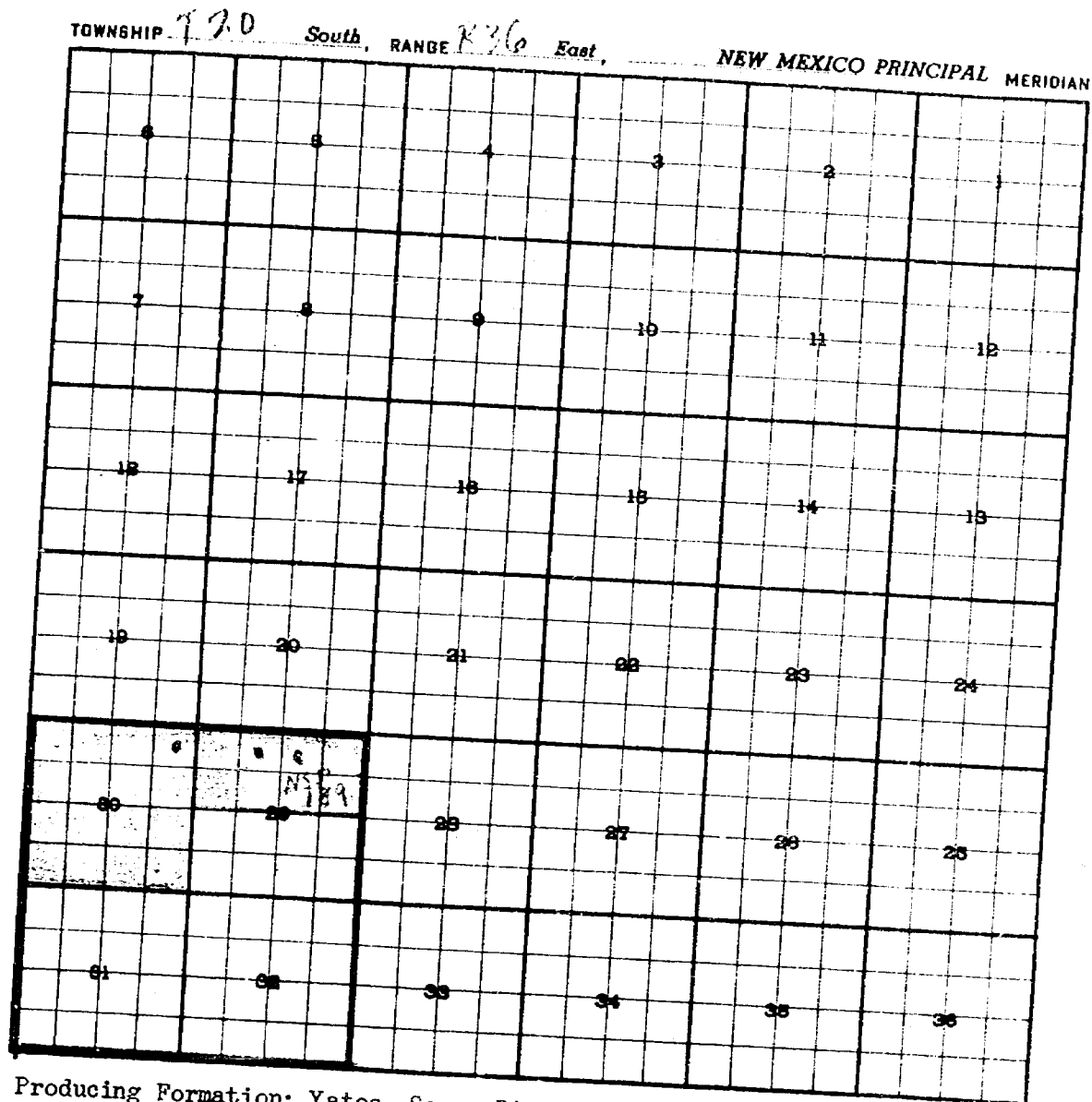
The Ohio Oil Co. State EKA #1-J 18-18-34 comp. in Queen 7/26/55
tcp perf. 4472

Existing Boundary: Colored in Red

Proposed Extension: Colored in Green W/2 SE/4, Sec. 18

Case 963 : Deletion of certain areas from a pool

County LEA Pool NORTH WILSON



Producing Formation: Yates, Seven Rivers Depth Range: 0-5

Existing Boundary : Colored in Red

Proposed Deletion: Colored in Green Sec. 29-N/2, Sec. 30-All

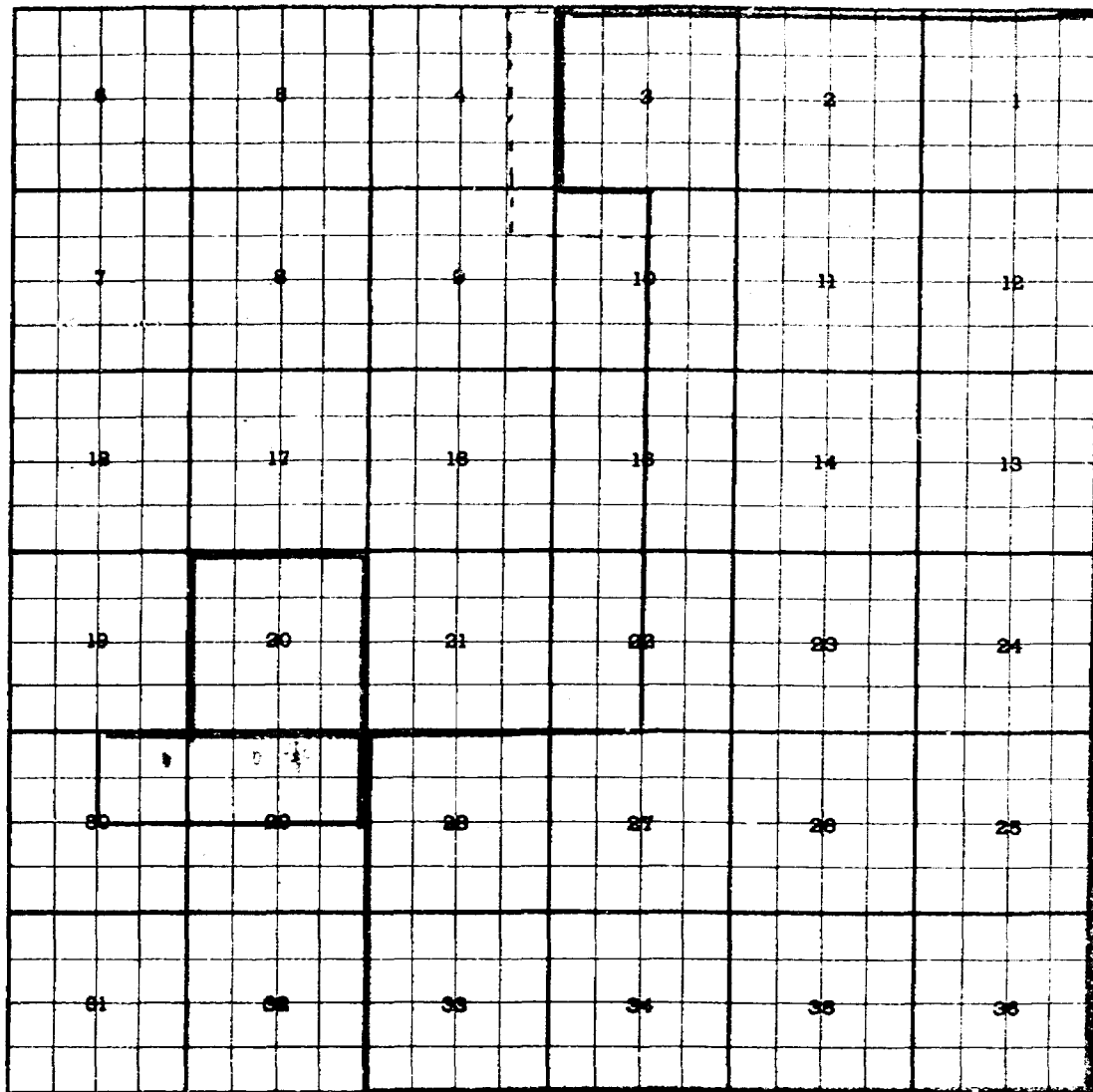
Case 963: Extension of an existing pool -EUMONT .

(I)

County Lea Pool EUMONT

EX 1D

TOWNSHIP 20 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Depth Range 0-5 Producing Formation -Yates, Seven Rivers, Queen

Purpose: To extend the pool to include -

Morris R. Antweil Union-State #1-A 30-20-36 comp. 7/19/55 in Yates t.p.3925

Existing Boundary: Colored in Red -Dotted line indicates extension of Sept. hearing

Proposed Extension: Colored in Green Sec. 20-All;Sec. 29-N/2 Sec. 30: NE/4

Lubbock PRINTING CO.

PRINTING AND OFFICE SUPPLIES

UNDERWOOD TYPEWRITERS
SUNDSTRAND ADDING MACHINES
ART METAL STEEL FURNITURE

PORTER 5-5734

1214 AVENUE K

WILSON BOURLAND. A. B. DICK PRODUCTS

Case 963: Extension of an existing pool

Unadvertised

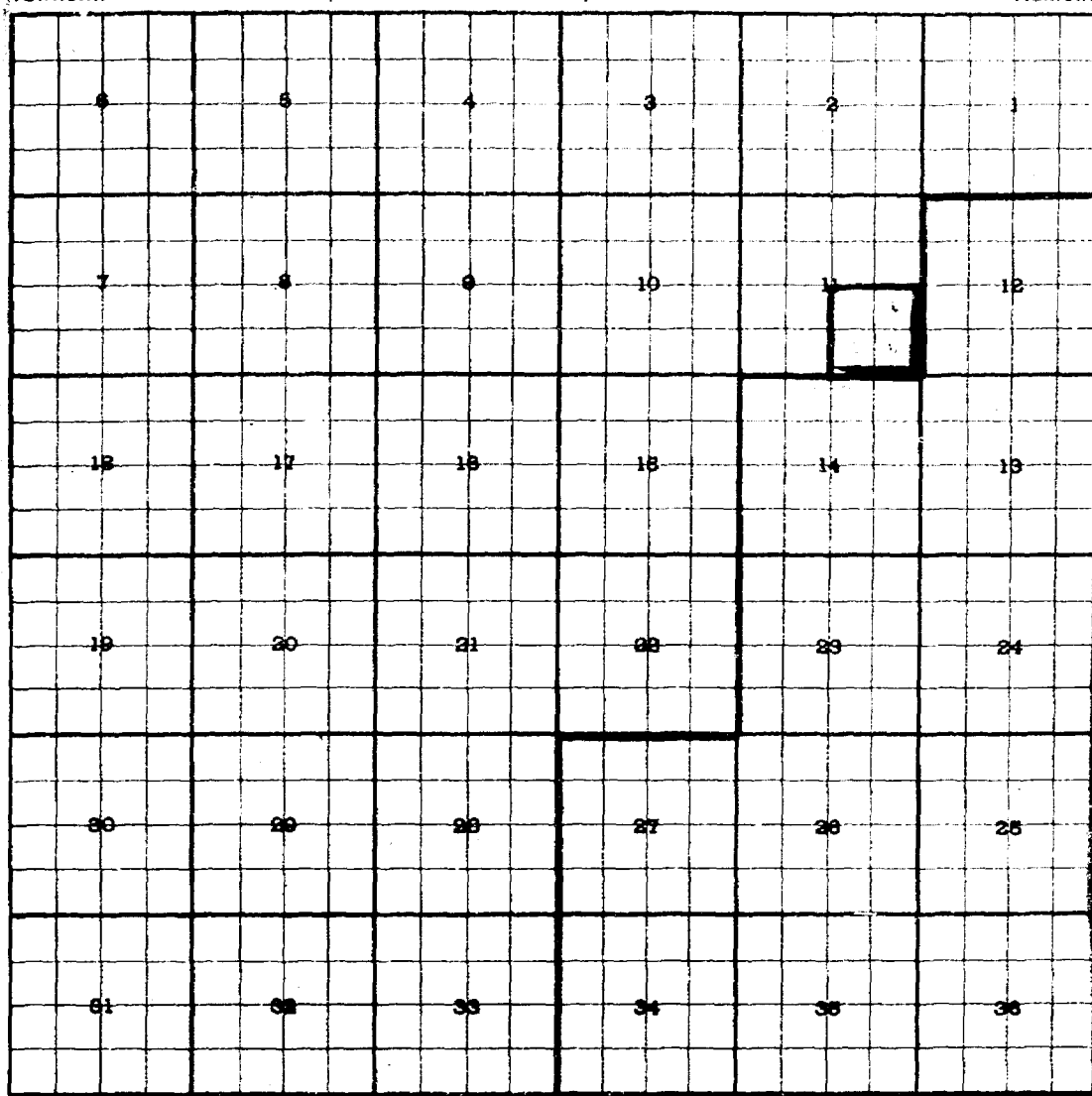
(I)

County LEA

Pool EUMONT

Ex #11

TOWNSHIP 19 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Producing Formation: Yates, S R and Queen Depth Range : 0-5

Purpose: To extd the pool for the inclusion of-

Gulf Oil Corp. Lea State DA #6-P 11-19-36 comp. in Queen 9/2/55 dcs.3899

Gulf Oil Corp. Lea State DA #7-I 11-19-36 comp in Queen 9/14/55 dcs.3924

Gulf Oil Corp. Lea State DA #8-O 11-19-36 comp. in Queen 9/27/55 dcs. 3990

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green SE/4 Sec. 11



County LEAPool EUMONT

Lubbock PRINTING CO.
 PRINTING AND OFFICE SUPPLIES
 UNDERWOOD TYPEWRITERS PORTER 5-5734
 SUNDSTRAND ADDING MACHINES ★
 ART METAL STEEL FURNITURE 1214 AVENUE K
 WILSON BOURLAND, A. B. DICK PRODUCTS

TOWNSHIP 21 South, RANGE 35 East, NEW MEXICO PRINCIPAL MERIDIAN

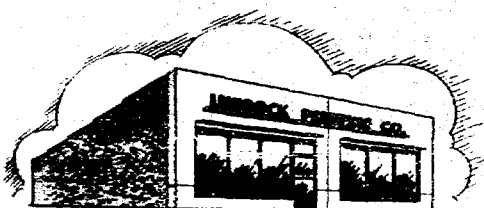
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36

Producing Formation: Yates, Seven Rivers, and Queen Depth-0-5

Purpose: To extend the pool for the inclusion of -

Sinclair Oil & Gas State Lea 407 #1-S 2-21-35 comp. in Yates SR 9/1/55 tp.3843

Existing Boundary : Colored in Red -Dotted line indicates extension of Sept. hearing
 Proposed Extension: Colored in Green W/2 Section 2



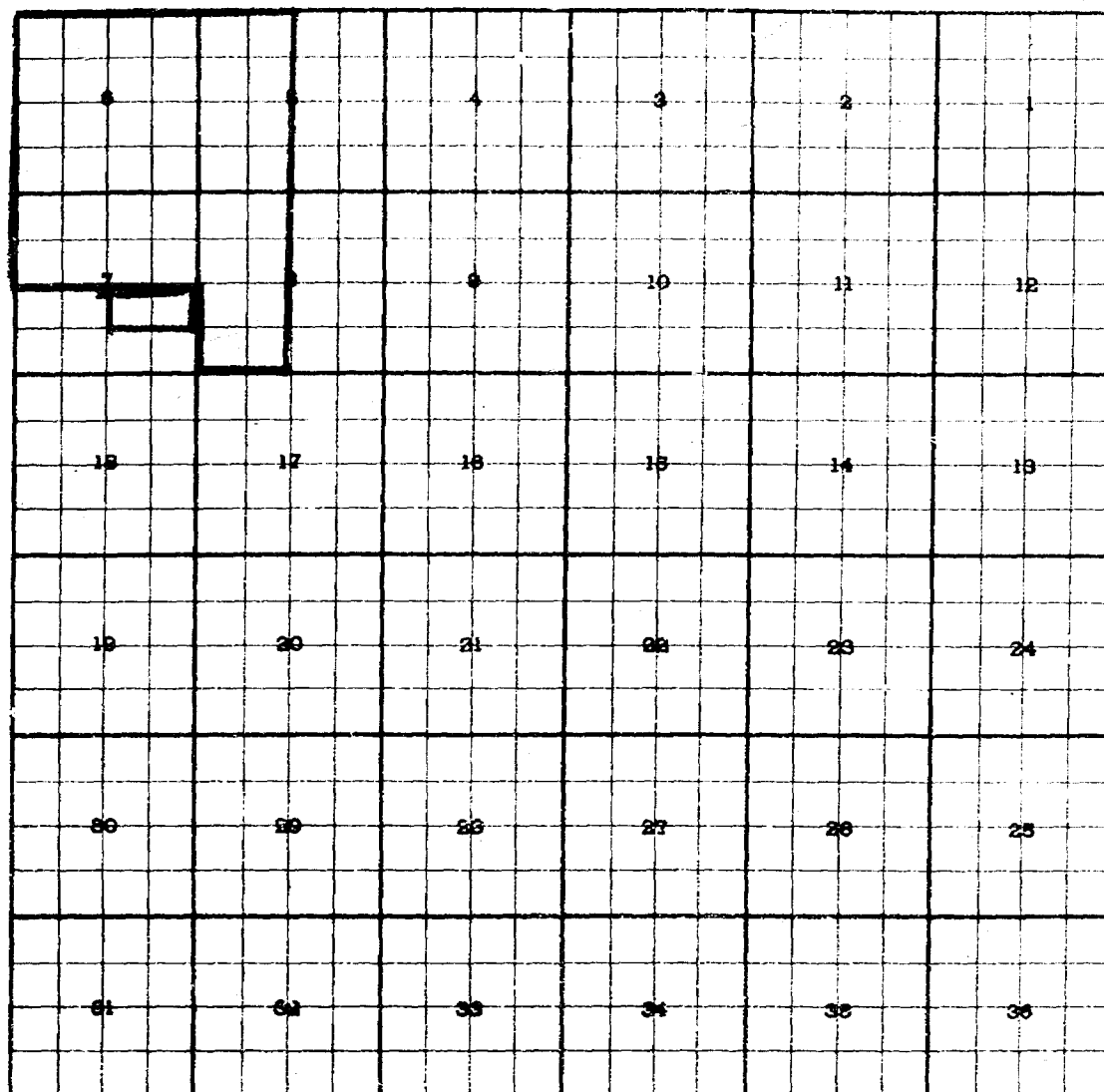
Case 963: Extension of an existing pool Monument-Blinebry

(J)

County LEA Pool MONUMENT-BLINEBRY

8113

TOWNSHIP 20 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN



Depth Range : 5-6

Producing Formation: Blinebry

Purpose: To extend the pool for the inclusion of-

Anderson-Prichard Oil Corp. Britt Fed. #13-J 7-20-37 comp. in Blinebry 9/3/55
t.p. 5650

Existing Boundary: Colored in Red

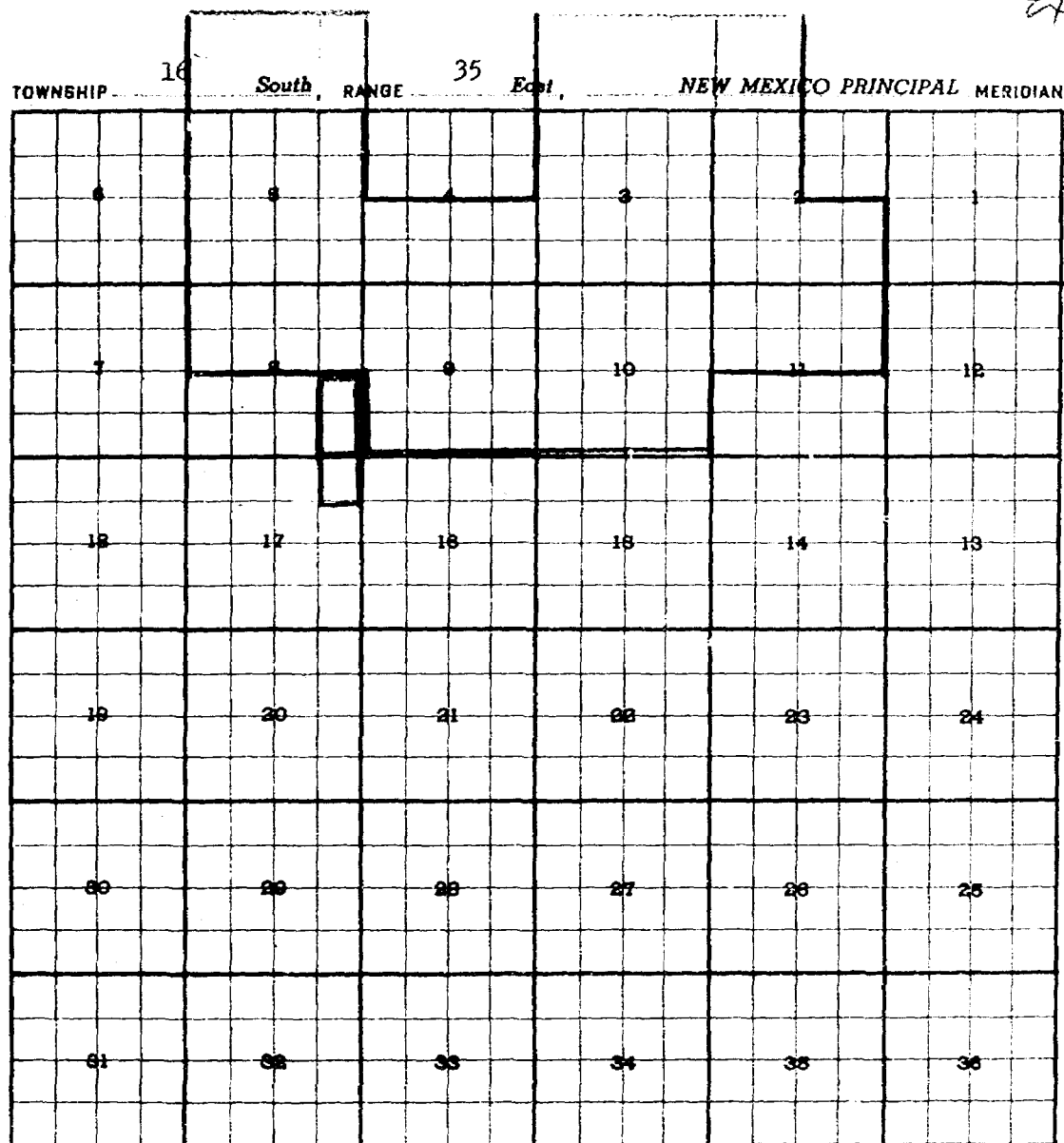
Proposed Extension: Colored in Green N/2 SE/4 Sec. 7

Case 963: Extension of an existing pool

(K)

County LEA

Pool TOWNSEND-WOLFCAMP



Producing Formation: Wolfcamp Depth Range: 10-11

Purpose: To extend the pool for the inclusion of:

Pure Oil Co. State Lea "C" #1-A 17-16-35 completed in Wolfcamp 7/22/55
t.p. 10,508

Shell Oil Co. State ETA #2-I 8-16-35 comp. in Wolfcamp 8/25/55 t.p.10,377

Existing Boundary : Colored in Red

Proposed Extension: Colored in Green -Sec. 8;E/2 SE/4

-Sec. 17: NE/4 NE/4

BEFORE THE
Oil Conservation Commission
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 957 & 963

TRANSCRIPT OF PROCEEDINGS

ADA DEARNLEY AND ASSOCIATES
COURT REPORTERS
605 SIMMS BUILDING
TELEPHONE 3-6691
ALBUQUERQUE, NEW MEXICO

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
October 14, 1955

IN THE MATTER OF:

CASE 957

(Readvertisement) Southeastern New Mexico Nomenclature calling for the following creation of a pool:
(f) Creation of a new pool in Lea County, New Mexico, classified as an oil pool for Grayburg production, designated as the Sanmal pool, and described as:

TOWNSHIP 17 SOUTH, RANGE 33 EAST
Section 4: NE/4

&

CASE 963

Southeastern New Mexico nomenclature case calling for the following creations, deletion and extensions of pools:

(a) Creation of a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the Sawyer-Devonian Pool, and described as:

TOWNSHIP 9 SOUTH, RANGE 38 EAST
Section 7: SW/4

(b) Creation of a new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production, designated as the York-Wolfcamp Pool, and described as:

TOWNSHIP 16 SOUTH, RANGE 34 EAST
Section 12: SW/4
Section 13: NW/4

(c) Creation of a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Shoe-Bar Pennsylvanian Gas Pool, and described as:

TOWNSHIP 16 SOUTH, RANGE 35 EAST
Section 34: E/2

(d) Creation of a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Bagley Pennsylvanian Gas Pool, and described as:

TOWNSHIP 11 SOUTH, RANGE 33 EAST
Section 33: SE/4

(e) Extension of the Arrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST
Section 31: NW/4
Section 30: N/2

(f) Extension of the Blinebry Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 38 EAST

Section 32: All

(g) Extension of the E-K Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST

Section 24: S/2

Section 25: NE/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST

Section 18: W/2 SE/4

(h) Delete the following area from the North Wilson-Yates-Seven Rivers Oil Pool:

TOWNSHIP 20 SOUTH, RANGE 36 EAST

Section 29: N/2

Section 30: All

(i) Extension of the Eumont Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 36 EAST

Section 20: All

Section 29: N/2

Section 30: NE/4

(j) Extension of the Monument-Blinebry Pool In Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 37 EAST

Section 7: N/2 SE/4

(k) Extension of the Townsend-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 35 EAST

Section 8: E/2 SE/4

Section 17: NE/4 NE/4

BEFORE: Mr. E. S. (Johnny) Walker
Mr. William B. Macey

TRANSCRIPT OF HEARING

MR. MACEY: The meeting will come to order, please. Elvis, you might as well stand and be sworn for 964. For the purpose of the record, let's consolidate 957 and 963.

RANDALL MONTGOMERY

called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. KITTS:

Q Will you please state your name and position?

A Randall Montgomery, Geologist for the New Mexico Oil Conservation Commission.

Q Mr. Montgomery, you are familiar with cases 957 and 963, are you not?

A Yes, sir, I am.

Q In case 957, which is a readvertisement of Section F, you recommend there a creation of a new pool in Lea County, classified as an oil pool for Grayburg production; will you tell the Commission the basis for that and what you recommend?

A The advertisement reads incorrectly; it should have been for San Andres instead of Grayburg. I recommend a creation of Sanmal-San Andres Oil Pool to include the area NE/4 S4, T17S, R33E. Discovery well in this field was Cactus Drilling Company Western State No. 1-H in Section 4, T17 R33, completed in San Andres on 7/22/55. Depth of casing shoe was 4,564

Q Is that all?

A Yes.

Q Mr. Montgomery, do you know if that was originally advertised as Grayburg?

A Yes, sir, it was.

Q And for the occasion of the hearing last month?

A Yes, sir, it was.

MR. KITTS: Off the record.

(Discussion off the record.)

MR. MACEY: I don't think there is anything wrong.

Q Mr. Montgomery, do you have an exhibit which you have prepared in connection with Case 957?

A Yes, sir, marked Exhibit No. 1, Case 957.

Q What does that show?

A That shows the area, outlined in red, of the proposed pool

creation.

Q And location of well?

A Yes.

Q Passing on to Case 963, Mr. Montgomery, in Section (a) you recommend, I believe, creation of a new pool in Lea County, classified as an oil pool for Devonian production; will you tell the Commission what your recommendations are and the basis for them?

A I recommend the pool be created as advertised, it being in the SW/4 Section 7, T9S R38E; discovery well was the Warren Petroleum Corporation's Federal Simmons No. 1-L in Section 7, T9S R38E completed in Devonian Formation on 8/13/55, top of perforation 11,618 feet.

Q Do you have an exhibit that you have prepared in connection with this?

A Yes, sir.

Q That, again, contains the location of the well and the proposed outline of the new pool, is that correct?

A Yes, sir, that is correct.

Q Passing on to Section (b), you recommend there a creation of another new pool in Lea County for Wolfcamp production; will you state your recommendation and basis?

A I recommend this pool not be created as advertised, that we just dismiss the case. The reason for that being the Cities Service Oil Company's York No. 1-M, Section 12, T16S R34E, completed in Wolfcamp 8/23/55, with top of perforation 10,599 feet, they have definitely a new zone in the area which is Wolfcamp production, but due to the proximity of two others, Edison and Townsend, I would recommend that we not create the field because there is a possibility that the same pay is present in these two fields. I have correlated logs in the area and I have come to the conclusion that the same pay is probably productive in the other areas, and, due to the low recovery

on the Permo-Pennsylvanian in New Mexico, I think it would be far more attractive to the operators to be able to come back up and re-complete in these zones. As they complete each zone, they could be designated instead of naming new fields for them. Therefore, I recommend that the pool not be created.

MR. MACEY: Pardon me. Do you think, in that connection, that we ought to extend --

A Not at this date.

Q You want to leave it undesignated?

A For the time being. I think by next month Humble will have their well down.

MR. MACEY: Okay.

Q You have prepared Exhibit No. 2 to show the location of what you had proposed, but now recommend not be approved?

A Yes, sir, that is right. Now, I would also like to point out that we have the Edison designated as being Pennsylvanian production although it is a lower zone. There is no controversy whatever that this is Wolfcamp, but the lower pay which is present in the Edison and Townsend, there is considerable controversy there which we plan on settling in the near future. We just let it ride for the designation for the time being.

Q All right. Mr. Montgomery, in Paragraph (c) you recommend the creation of a new pool in Lea County; state that recommendation and the basis for it.

A That the Shoe-Bar Pennsylvanian Gas Pool be created as advertised, the E/2 of Section 34, T16S, R35E; discovery well in this field was Western Natural Gas Company State Grambling No. 1-A in Section 34, T16S R35E, gas distillate well completed in Pennsylvanian

1/22/54, top of perforation 12,310 feet.

Q You have prepared an exhibit to show the same material relative to this recommendation? A Yes, sir.

Q Exhibit three? A Yes, sir.

Q Passing on to Paragraph (d), will you state what your recommendations are to that and the basis of it?

A I recommend that the Pool, Bagley-Pennsylvanian, be created as advertised, being the SE/4 of Section 33, T11S R33E; discovery well in this field was Amerada Petroleum Corporation's Shell-Amerada State "A" in Unit P, called the Unit No. 1 well in the Unit P as gas distillate well completed in Pennsylvanian on 10/23/51, with top of perforation 9,805 feet.

Q You have prepared Exhibit 4 which shows the location of the pool and the location of the well in the pool?

A Yes, sir.

MR. MACEY: This well was completed in the zone deeper than the Bagley-Wolfcamp?

A That's right.

MR. MACEY: Is the zone productive; do you know the Bagley area Devonian?

A No, but presently there is a well off-setting this that is drilling to this horizon.

MR. MACEY: What are they doing to the gas, El Paso West Coast Line?

A Yes.

MR. MACEY: Going into that compressor station of Amerada's there?

A Yes, sir.

Q In Paragraph (e) there is a recommendation for the extension of the Arrow Gas Pool in Lea County; will you state what your recommendation is and the basis for it?

A I recommend that the extension be created as advertised and I would like to add in the SW/4 of Section 30, T21S, R37E, which is unadvertised. The cause is the completion of the Texas Company's V. M. Henderson No. 4, Unit C of Section 30, 21 37, completed as a gas well in the Queen on 8/22/55, depth to casing shoe 3,480 feet. In order to make the boundary a little more orderly in this outline, I recommend the inclusion of the SW/4 of Section 30.

Q Is that contiguous with the present acreage?

A Yes, sir, that is correct.

Q You have prepared an exhibit containing your recommendations?

A Yes, sir, Exhibit No. 5.

Q Passing on to Paragraph (f) you recommend the extension of the Blinebry Gas Pool in Lea County; will you state what your recommendation is and the basis for it?

A I recommend the extension as advertised, being all of Section 32, T22S R38E; this was caused by the completion of the Gulf Oil Corporation's T. R. Andrews No. 2 Unit G, completed as gas-gas dual in Blinebry and Tubb on 4/16/55, with top of perforation 5,580 feet.

Q You have prepared Exhibit 6 incorporating your recommendations?

A Yes, sir.

Q All right. In Paragraph (g) you recommend an extension of the E - K Queen Pool in Lea County; will you state what your recommendation is and the basis for it?

A I recommend that the E - K Queen Pool be extended in the Ne/4 Section 25, T18S R33E, and the S/2 of Section 24, T18S R33E. I have

prepared two exhibits marked 7 and 8.

Q In connection with this one recommendation, is that correct?

MR. MACEY: You have a little additional --

MR. KITTS: Oh, I see.

A And then, in Section 18, Township 18 South, Range 34 East, the W/2 of SE/4 of that section.

Q All right. Paragraph (h) you recommend the deletion of certain areas from the North Wilson-Yates-Seven Rivers Pool?

A Yes, sir.

Q State what that recommendation is and the basis for it.

A That we delete the advertised area in the North Wilson-Yates-Seven Rivers Pool because of the recent completion of two gas wells and oil well which apparently are connected to the Eumont Gas Field; in order that we may issue proration units to these gas wells, it is necessary that we delete this area from the North Wilson-Yates-Seven Rivers Pool. I have marked Exhibit No. 9.

Q That shows the location of the area involved?

A Yes, sir.

Q In Paragraph (i), your recommendation is the extension of the Eumont Pool; state what the basis is for that, please.

A That portion which is advertised, being all of Section 20, N/2 Section 29, NE/4 of Section 30, due to recent completion of oil and gas wells in this particular area; portions of this area is being deleted from the North Wilson Pool with reason being as stated earlier in section (h); the unadvertised portions we want to extend into Eumont Field is the SE/4, Section 11, T19S R36E, this is occasioned by the recent completion of three oil wells by Gulf Oil Corporation in the SE/4 Section 11, also the W/2 of Section 2, T21S R35E; this

is occasioned by the completion of two wells by the Sinclair Oil and Gas Company. I have prepared three Exhibits, marked Exhibits 10, 11 and 12.

Q Now, this unadvertised acreage, this is presently contiguous to the limits of the Eumont Boundaries? A Yes, it is.

Q All right. In Paragraph (j), you recommend the extension of the Monument-Blinebry Pool in Lea County; state in detail what that recommendation is and the reason for it.

A I recommend that the pool be extended as advertised, that being the N/2 of the SE/4 Section 7, T20S R37E; this extension is necessary for the completion of the Anderson Prichard Oil Corporation's Britt Federal 13 in Unit J completed in Blinebry on 9/3/55 with top of perforation 5,650 feet.

Q You have prepared an exhibit showing the location of the pool and well?

A Yes, sir, which is marked as Exhibit 13.

Q All right. In Paragraph (k), you recommend the extension of the Townsend-Wolfcamp Pool in Lea County; state what that recommendation is and the reason for it..

A That they be extended as advertised in the NE/4 NE/4 of Section 17, T16S R35E, and the E/2 of the SE/4 Section 8 T16S R35E. This extension is made necessary due to recent completion by Pure Oil Company and Shell Oil Company. I have prepared exhibits showing the wells and proposed outline, marked Exhibit No. 14.

MR. KITTS: We offer in evidence Commission's Exhibit 1 in Case 957 and Exhibits 1 thru 14 in Case 963.

MR. MACEY: Without objection they will be received. Any further questions of the witness?

MR. NUTTER: I have my usual ones.

CROSS EXAMINATION

BY MR. NUTTER:

Q In 957, Randall, it is the area advertised, but the names have been changed to Sanmal-San Andres? A That is correct.

Q And the depth of casing shoe 4,564? A That is correct.

Q And in 963, the first is exactly as advertised, and top of perforation 11,618? A In which pool?

Q That is the Sawyer-Devonian, Section (a), 963.

A 11,618.

Q Yes. Section (b) dismissed completely?

A That is correct.

Q Section (c) exactly as advertised, and top was 12,310?

A That's right.

Q (d), exactly as advertised, and perforation, 9805?

A That's correct.

Q (e), as advertised, plus the SW/4 Section 30 - 21 - 37?

A That's right.

Q (f), exactly as advertised? A That's right.

Q (g), exactly as advertised? A That's right.

Q (h), exactly as advertised? A That's right.

Q (i), as advertised, plus the SE/4 Section 11, 19S 36E and the W/2 of 2 21S 35E? A That's right.

Q (j), exactly as advertised? A That's right.

Q (k), exactly as advertised? A That's right.

MR. NUTTER: Okay.

MR. MACEY: Any other questions of the witness? If not, the witness may be excused. We will take the case under advisement.

STATE OF NEW MEXICO)

ss

COUNTY OF BERNALILLO)

I, THURMAN J. MOODY, Court Reporter, do hereby certify that the foregoing and attached transcript of Proceedings was taken before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, and is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand, this, the 31st day of October, 1955.


Court 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 NEW
MEXICO FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 963
Order No. R-713

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CALLING FOR THE CREATION,
DELETION AND EXTENSION OF
CERTAIN POOLS IN LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a. m. on October 13, 1955, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 10th day of *November*, 1955, 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 Devonian formation, said pool to bear the designation Sawyer-Devonian Pool. Said Sawyer-Devonian Pool was discovered by Warren Petroleum Corporation, Federal Simmons No. 1, located in Unit L, Section 7, Township 9 South, Range 38 East, NMPM. It was completed August 13, 1955. Top of the perforations is at 11,618 feet.
3. That the creation of a new pool in Lea County, New Mexico, advertised as the York-Wolfcamp Pool for production of oil from the Wolfcamp formation should be dismissed.
4. That there is need for the creation of a new pool in Lea County, New Mexico for production of gas from the Pennsylvanian formation, said pool to bear the designation Shoe-Bar Pennsylvanian Gas Pool. Said Shoe-Bar Pennsylvanian Gas Pool was discovered by Western Natural Gas Company, Grambling State No. 1, located in Unit A, Section 34, Township 16 South, Range 35 East, NMPM. It was completed January 22, 1954. The top of the perforations is at 12,310 feet.

5. That there is need for the creation of a new pool in Lea County, New Mexico for the production of gas from the Pennsylvanian formation, said pool to bear the designation Bagley-Pennsylvanian Gas Pool. Said Bagley-Pennsylvanian Gas Pool was discovered by Amerada Petroleum Corporation, Shell-Amerada State A Unit No. 1, located in Unit P, Section 33, Township 11 South, Range 33 East, NMPM. It was completed October 21, 1951. Top of the perforations is at 9805 feet.

6. That there is need for certain extensions in the Arrow Gas Pool, the Blinebry Gas Pool, the E-K Queen Pool, the Eument Gas Pool, the Monument-Blinebry Pool and the Townsend-Wolfcamp Pool, all in Lea County, New Mexico.

7. That there is need for the deletion of certain areas from the North Wilson-Yates-Seven Rivers Oil Pool 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 Devonian production, be and the same hereby is created. Said pool is to bear the designation Sawyer-Devonian Pool and consist of the following described area:

TOWNSHIP 9 SOUTH, RANGE 38 EAST, NMPM
Section 7: SW/4

(b) That the subject for the creation of a new pool in Lea County, New Mexico, for production of oil from the Wolfcamp formation, advertised as the York-Wolfcamp Pool be and the same is hereby dismissed.

(c) That a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production be and the same hereby is created. Said pool is to bear the designation Shoe-Bar Pennsylvanian Gas Pool and consist of the following described area:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM
Section 34: E/2

(d) That a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production be and the same hereby is created. Said pool is to bear the designation Bagley-Pennsylvanian Gas Pool, and consist of the following described area:

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

(e) That Arrow Gas Pool in Lea County, New Mexico, as heretofore classified, defined and described be and the same hereby is extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM
Section 30: N/2 and SW/4
Section 31: NW/4

(f) That the Blinebry Gas Pool in Lea County, New Mexico, as heretofore classified, defined and described be and the same hereby is extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM
Section 32: All

(g) That the E-K Queen Pool in Lea County, New Mexico, as heretofore classified, defined and described be and the same hereby is extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 24: S/2
Section 25: NE/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 18: W/2 SE/4

(h) That the North Wilson-Yates-Seven Rivers Oil Pool in Lea County, New Mexico, as heretofore classified, defined and described be and the same is hereby contracted by the deletion of the following area:

TOWNSHIP 20 SOUTH, RANGE 36 EAST, NMPM
Section 29: N/2
Section 30: All

(i) That the Fumont Gas Pool in Lea County, New Mexico, as heretofore classified, defined and described be and the same hereby is extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 36 EAST, NMPM
Section 11: SE/4

TOWNSHIP 20 SOUTH, RANGE 36 EAST, NMPM
Section 20: All
Section 29: N/2
Section 30: NE/4

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM
Section 2: W/2

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

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 7: N/2 SE/4

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

-4-

Order No. R-713

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM

Section 8: E/2 SE/4

Section 17: NE/4 NE/4

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John F. Simms

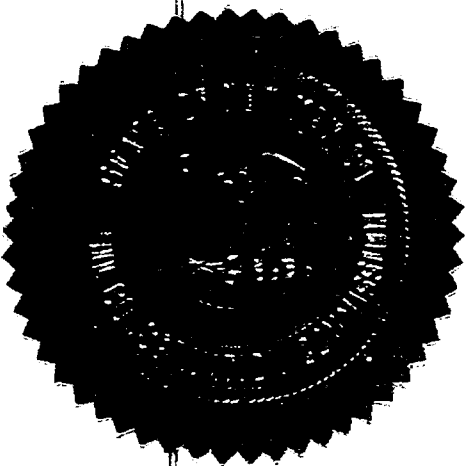
JOHN F. SIMMS, Chairman

E. S. Walker

E. S. WALKER, Member

W. B. Macey

W. B. MACEY, Member and Secretary



12/

CASE 963

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 new pools and the deletion and extension of existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, deletions and extensions should not be made.

~~P (a) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the Dean-Devonian Pool, and described as:~~

~~Township 15 South, Range 36 East
SW/4 Section 35~~

a (b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the Sawyer-Devonian Pool, and described as:

Township 9 South, Range 38 East
SW/4 of Section 7

of such other
b (c) Create a new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production, designated as the York-Wolfcamp Pool, and described as:

Township 16 South, Range 34 East
SW/4 of Section 12
NW/4 of Section 13

and such other etc.

c (d) Create a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Shoe-Bar Pennsylvanian Gas Pool, and described as:

Township 16 South, Range 35 East
E/2 Section 34

and such other etc.

d ~~(a)~~ Create a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Bagley Pennsylvanian gas pool, and described as:

Township 11 South, Range 33 East
SE/4 Section 37

1 - ~~(b)~~ Delete from the Penrose Skelly Pool boundary in Lea County, New Mexico to include therein:

Township 21 South, Range 37 East
W/2 NE/4, NE/4 NE/4 Section 30

e ~~(b)~~ Extend the Arrow Gas Pool boundary in Lea County, New Mexico, to include therein:

Township 21 South, Range 37 East
NW/4 of Section 31
~~W/2 NE/4, NE/4 NE/4 Section 30~~
N/2

f ~~(b)~~ Extend the Blinebry Gas Pool boundary in Lea County, New Mexico, to include therein:

Township 22 South, Range 38 East
All of Section 32

g ~~(b)~~ Extend the E-K Queen pool boundary in Lea County, New Mexico, to include therein:

Township 18 South, Range 33 East
S/2 Section 24
NE/4 of Section 25

Township 18 South, Range 34 East
W/2 SE/4 of Section 18

h ~~h~~ Delete the following area from the boundaries of the North Wilson-Yates-Seven Rivers Oil Pool:

Township 20 South, Range 36 East
N/2 Section 29
All of Section 30

Extend the Eumont pool boundary in Lea County, New Mexico, to include therein:

Township 20 South, Range 36 East
All of Section 20
N/2 Section 29
NE/4 Section 30

i ~~h~~ Extend the Monument-Blinebry Pool boundary in Lea County, New Mexico, to include therein:

Township 20 South, Range 37 East
N/2 SE/4 Section 7

j ~~h~~ Extend the Townsend-Wolfcamp Pool boundary in Lea County, New Mexico, to include therein:

Township 16 South, Range 35 East
E/2 SE/4 of Section 8
NE/4 NE/4 of Section 17

and such other etc.

October Nomenclature Advertisement

OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

Case _____

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 new pools and the deletion and extension of existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, deletions and extensions should not be made.

(A) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the Dean-Devonian pool, and described as :

Twp. 15 South, Range 36 East

~~All of Section 26~~

~~All of Section 35~~

~~E/2 of NE/4 of Sec. 34~~

~~SE/4 of Section 34~~

~~SE/4 of Section 36~~

(This is what ~~0-123~~ asked for)

Twp. 16 South, Range 37 East

~~Lots 1, 2, 3, 4, 5, 6, 7, and 8 of Section 5~~

~~Lots 1, 2, 7 and 8 of Section 6~~

and such other

(B) Create a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, designated as the Sawyer-Devonian pool, and described as:

Twp. 9 South, Range 38 East

SW/4 of Section 7

and such other

(C) Create a new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production, designated as the York-Wolfcamp pool, and described as:

¹⁶
Twp. ~~12~~ South, Range 34 East

SW/4 of Section 12

NW/4 of Section 13

and such other etc.

(D) Create a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Shoe-Bar Pennsylvanian Gas pool, and described as :

Twp. 16 South, Range 35 East

E/2 Section ~~2~~ 34

and such other etc.

(E)

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OIL CONSERVATION COMMISSION

(E) Create a new pool in Lea County, New Mexico, reclassified as a gas pool for Pennsylvanian production, designated as the Bagley Pennsylvanian gas pool, and described as :

~~Twp. 11 South, Range 33 East~~
~~SE 1/4 of Section 23~~
~~SW 1/4 of Section 34~~

~~Twp. 11 South, Range 33 East~~
~~NE 1/4 of Section 4~~
~~NW 1/4 of Section 3~~

Twp. 11 South, Range 33 East
NE 1/4 Sec 23
SE 1/4 Sec 33
FW 1/4 Sec 33

and such other etc.

(C) Extend the Arrow gas pool boundary in Lea County, New Mexico, to include therein:

~~Twp. 21 South, Range 37 East~~
~~W 1/2 Section 30~~
~~NW 1/4 of Section 31~~
~~W 1/2, W 1/2 NE, NE NE Sec 30~~

ask about this because
Prisoner Shelly Rainey

and such other etc.

(D) Extend the Blinbry gas pool boundary in Lea County, New Mexico, to include therein:

Twp. 22 South, Range 38 East
All of Section 32

and such other etc.

(P) Extend the E-K Queen pool boundary in Lea County, New Mexico, to include therein:

Twp. 18 South, Range 33 East
S/2 Section 24
NE/4 of Section 25

(With stipulation that the lower Washburn zone should not be allowed open in any well bore)

Twp. 18 South, Range 34 East
W/2 SE/4 of Section 18

and such other etc.

(J) Delete the following area from the boundaries of the North Wilson pool:

Twp. 20 South, Range 36 East
N/2 Section 29
All of Section 30

Extend the Eumont pool boundary in Lea County, New Mexico, to include therein:

Twp. 20 South, Range 36 East
All of Section 20
N/2 Section 29
NE/4 Section 30

and such other etc.

(K) Extend the Monument-Blinbry pool boundary in Lea County, New Mexico, to include

Case _____

OIL CONSERVATION COMMISSION

HOBBBS, NEW MEXICO

therein:

Tw. 20 South, Range 37 East
N/2 SE/4 Section 7

and such other etc.

(1) Extend the Townsend-Wolfcamp pool boundary in Lea County, New Mexico, to include therein:

Twp. 16 South, Range 35 East
E/2 SE/4 of Section 8 ✓
NE/4 NE/4 of Section 17 ✓

and such other etc.

(D) Delete from the Personnel Study pool boundary in Lea County, New Mexico to include therein:

Twp 21 South, Range 37 East
W $\frac{1}{2}$ NE $\frac{1}{4}$, NE NE Sec 30
~~W $\frac{1}{2}$ E $\frac{1}{2}$ Sec 19~~

[illegible]

Case 963

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 new pools and the deletion and extension of existing pools in Lea County, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations, deletions and extensions should not be made.

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

Township 9 South, Range 38 East
SW/4 of Section 7

and such other etc.

(b) Create a new pool in Lea County, New Mexico classified as an oil pool for Wolfcamp production, designated as the York-Wolfcamp Pool, and described as:

Township 16 South, Range 34 East
SW/4 of Section 12
NW/4 of Section 13

and such other etc.

(c) Create a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Shoe-Bar Pennsylvanian Gas Pool, and described as:

Township 16 South, Range 35 East
E/2 of Section 34

and such other etc.

(d) Create a new pool in Lea County, New Mexico, classified as a gas pool for Pennsylvanian production, designated as the Bagley Pennsylvanian Gas Pool and described as:

Township 11 South, Range 33 East
SE/4 of Section 33

and such other etc.

Southeast Nomenclature

(e) Extend the Arrow Gas Pool boundary in Lea County, New Mexico, to include therein:

Township 21 South, Range 37 East
NW/4 of Section 31
N/2 of Section 30

and such other etc.

(f) Extend the Blinebry Gas Pool boundary in Lea County, New Mexico, to include therein:

Township 22 South, Range 38 East
All of Section 32

and such other etc.

(g) Extend the E-K Queen Pool boundary in Lea County, New Mexico, to include therein:

Township 18 South, Range 33 East
S/2 of Section 24
NE/4 of Section 25

Township 18 South, Range 34 East
W/2 SE/4 of Section 18

and such other etc.

(h) Delete the following area from the boundaries of the North Wilson-Yates-Seven Rivers Oil Pool:

Township 20 South, Range 36 East
N/2 of Section 29
All of Section 30

and such other etc.

(i) Extend the Eumont Pool boundary in Lea County, New Mexico, to include therein:

Township 20 South, Range 36 East
All of Section 20
N/2 of Section 29
NE/4 of Section 30

and such other etc.

-3-
Southeast Nomenclature

(j) Extend the Monument-Blinebry Pool boundary in Lea County, New Mexico, to include therein:

Township 20 South, Range 37 East
N/2 SE/4 of Section 7

and such other etc.

(k) Extend the Townsend-Wolfcamp Pool boundary in Lea County, New Mexico, to include therein:

Township 16 South, Range 35 East
E/2 SE/4 of Section 8
NE/4 NE/4 of Section 17

and such other etc.