

Case No.

1222

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
March 14, 1957

IN THE MATTER OF:

Case No. 1222

TRANSCRIPT OF HEARING

DEARNLEY, MEIER & ASSOCIATES
INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE - SANTA FE
3-6691 2-2211

BEFORE THE
OIL CONSERVATION COMMISSION
March 14, 1957

IN THE MATTER OF:

Southeastern New Mexico nomenclature case calling
for the creation of new pools and the extension of
existing pools in Lea and Eddy Counties, New Mexico.

- (a) Creation of a new oil pool for Devonian
production, designated as the East Cross-
roads-Devonian Pool, and described as:

Township 9 South, Range 37 East
Section 30: NW/4

- (b) Creation of a new oil pool for Pennsylvanian
production, designated as the Dickinson-
Pennsylvania Pool, and described as:

Township 10 South, Range 36 East
Section 33: SW/4

- (c) Creation of a new oil pool for Connell produc-
tion, designated as the Fowler-Connell Pool,
and described as:

Township 24 South, Range 37 East
Section 22: NE/4

- (d) Creation of a new oil pool for Pennsylvanian
production, designated as the Querecho Plains-
Pennsylvanian Pool, and described as:

Township 18 South, Range 32 East
Section 22: SW/4

- (e) Extension of the Anderson Pool to include:

Township 17 South, Range 29 East
Section 10: S/2, NE/4 and S/2 NW/4

(f) Extension of the Atoka Pool to include:

Township 18 South, Range 26 East
Section 12: E/2 SW/4

(g) Extension of the Cave Pool to include:

Township 17 South, Range 29 East
Section 5: N/2 SW/4

(h) Extension of the Dollarhide-Drinkard Pool to include: 1222

Township 24 South, Range 38 East
Section 19: S/2 NE/4

(i) Extension of the E-K Queen Pool to include:

Township 18 South, Range 33 East
Section 14: S/2 NE/4

BEFORE:

Honorable E. L. Mechem
Mr. A. L. (Pete) Porter
Mr. Murray Morgan

TRANSCRIPT OF HEARING

MR. PORTER: The next case to be considered will be Case No. 1222.

(Witness sworn.)

JOHN W. RUNYAN

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

DIRECT EXAMINATION

BY: MR. COOLEY:

Q State your name and occupation for the record, sir.

A John W. Runyan, geologist for the New Mexico Oil Conservation Commission.

Q Mr. Runyan, in your official capacity for the New Mexico Oil Conservation Commission, have you had an opportunity to make a study of creation and extension of existing pools in Lea and Eddy Counties, New Mexico?

A Yes, I have.

Q What are your recommendations concerning Devonian production in Township 9 South, Range 37 East?

A I recommend that a new pool, new oil pool be created as advertised and to be named the East Crossroads-Devonian Pool, due to the completion of Lone Star Producing Company's Santa Fe No. 1 in Unit C of Section 20, Township 9 South, Range 37 East, completed on 12/26/56 in the Devonian with the top of the perforations being at 12,173 feet.

Q Do you have any recommendations concerning creation of an oil pool for Pennsylvanian production in Township 10 South, Range 36 East?

A Yes, I do. I recommend that a pool be created as advertised, named the Dickinson American Pool, and this creation is due to the completion of Dickinson American Company's Dickinson Heirs No. 1 in Unit M of Section 33, Township 10 South,

Range 36 East, completed in the Pennsylvanian the 1/28/57, the top of perforation being 11,504 feet.

Q Do you have any recommendations concerning the creation of a new oil pool for Connell production in Township 24 South, Range 37 East?

A Yes, I have. I recommend a new pool be created called the Fowler-Connell Pool. This creation is desired because of the completion of Pan American Petroleum Corporation's South Mattix Unit No. 3 in Unit B of Section 22, Township 24 South, Range 37 East, completed 1/20/57 in the Connell Formation, top of perforation being 9,711 feet.

Q Do you have any recommendations concerning the creation of an oil pool for Pennsylvanian production in Township 18 South, Range 32 East?

A Yes, sir. I recommend that a new pool be created called the Querecho Plains-Pennsylvanian Pool, and the purpose of this creation is the completion of Shell Oil Company's Querecho Plains Unit 1 in Unit K of Section 22, Township 18 South, Range 32 East, completed 1/11/57 in the Pennsylvanian, the top of perforation being 11,595 feet.

Q And the horizontal limits of that pool would be as advertised?

A That is correct.

Q Do you have any recommendations concerning extension

of the Anderson Pool?

A I recommend that it be extended as advertised, and also an unadvertised portion, being the NE/4 of Section 15 in Township 17 South, Range 29 East.

Q Do you have any recommendations concerning the extension of the Atoka Pool?

A I recommend that the pool be extended as advertised and also several unadvertised portions, those being the E/2 of the NW/4, and the W/2 of the NE/4 of Section 13, and the S/2 of Section 16, and the E/2 of the SE/4 of Section 17 in Township 18, Range 26 East.

Q Do you have any recommendations concerning extension of the Cave Pool?

A I have. I recommend that it be extended as advertised, and also an unadvertised portion, that being the SW/4 of the SE/4 of Section 5 in Township 17 South, Range 29 East.

Q What are your recommendations concerning extension of the Dollarhide-Drinkard Pool?

A I recommend that it be extended as advertised.

Q Do you have any recommendations concerning extension of the E-K Queen Pool?

A Yes, sir, I have. I recommend that it be extended as advertised, and also an unadvertised portion, that being the W/2

of the SE/4 of Section 8 in Township 18 South, Range 34 East.

Q Do you have any further recommendations?

A No, I haven't.

Q Do you have any exhibits in this case?

A Yes, I have. I have Exhibits A through I, which I wish to submit to the Commission.

MR. COOLEY: I would like to offer Exhibits A through I reflecting the -- supporting the evidence concerning the creations and extensions as lettered in the documents A through I.

MR. PORTER: Without objection, the Exhibits will be admitted. Anyone have a question of Mr. Runyan? If not, the witness may be excused. Anyone else have any further comments in this case? If not, we will take the case under advisement.

STATE OF NEW MEXICO)
) ss
COUNTY OF BERNALILLO)

I, J. A. Trujillo, 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 in Stenotype and reduced to typewritten transcript by me, and that the same is a true and correct record to the best of my knowledge, skill, and ability.

WITNESS my Hand and Seal, this, the 15th day of March, 1957
in the City of Albuquerque, County of Bernalillo, State of New Mexico.


Notary Public

My Commission Expires:

October 5, 1960

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. 1222
Order No. R-982

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on March 14, 1957, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 23rd day of April, 1957, 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 East Crossroads-Devonian Pool. Said East Crossroads-Devonian Pool was discovered by Lone Star Producing Company, Santa Fe #1, located in the NE/4 NW/4 Section 30, Township 9 South, Range 37 East, NMPM. It was completed December 26, 1956. The top of the perforations is at 12,173 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 Dickinson-Pennsylvanian Pool. Said Dickinson-Pennsylvanian Pool was discovered by Magnolia Petroleum Company, Dickinson Heirs #1, located in the SW/4 SW/4 Section 33, Township 10 South, Range 36 East, NMPM. It was completed January 28, 1957. The top of the perforations is at 11,504 feet.

4. That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Connell formation, said pool to bear the designation Fowler-Connell Pool. Said Fowler-Connell Pool was discovered by Pan American Petroleum Corporation, South Mattix Unit #3, located in the NW/4 NE/4 Section 22, Township 24 South, Range 37 East, NMPM. It was completed January 20, 1957. The top of the perforations is at 9,711 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 Pennsylvanian formation, said pool to bear the designation Querecho Plains-Pennsylvanian Pool. Said Querecho Plains-Pennsylvanian Pool was discovered by Shell Oil Company, Querecho Plains Unit #1, located in the NE/4 SW/4 Section 22, Township 18 South, Range 32 East, NMPM. It was completed January 11, 1957. The top of the perforations is at 11,595 feet.

6. That there is need for certain extensions to the Anderson Pool, the Atoka Pool, and the Cave Pool, all in Eddy County, New Mexico, and to the Dollarhide-Drinkard Pool and the E-K Queen Pool, both 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 is hereby created and designated as the East Crossroads-Devonian Pool, consisting of the following described area:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM
Section 30: NW/4

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

TOWNSHIP 10 SOUTH, RANGE 36 EAST, NMPM
Section 33: SW/4

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

TOWNSHIP 24 SOUTH, RANGE 37 EAST, NMPM
Section 22: NW/4

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

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM
Section 22: SW/4

-3-

Case No. 1222
Order No. R-982

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

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 10: E/2, SW/4, and S/2 NW/4
Section 15: NE/4

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

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 12: E/2 SW/4
Section 13: E/2 NW/4 and W/2 NE/4
Section 16: S/2
Section 17: E/2 SE/4

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

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 5: N/2 SW/4 and SW/4 SE/4

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

TOWNSHIP 24 SOUTH, RANGE 38 EAST, NMPM
Section 19: S/2 NE/4

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

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
Section 14: S/2 NE/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 8: W/2 SE/4

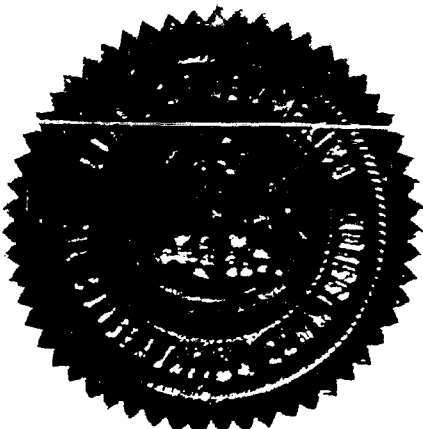
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. HECHEM, Chairman

MURRAY E. MORGAN, Member

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



Case 1222: (A) Creation of a new pool

County LEA

Pool 12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30

Dev. 12-13

TOWNSHIP 9 South, RANGE 37 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

Purpose: To create a new pool for

Lone Star Producing Co. Santa Fe #1 in Unit C of Sec. 30 T9S R37E
completed 12/26/56 in Dev. Top perf. 12,173

Proposed Boundary : Colored in Red 1/4 of Section 30

Case 12.2: (b) Creation of a new pool

County LEA Pool DICKINSON-PENNSYLVANIAN
11-12 Penn.

TOWNSHIP 10 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN

A 6x6 grid with numbers 1 through 36. The numbers are arranged in a 6x6 grid, with the last row containing a 3x3 square at the bottom.

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

Purpose: To create a new pool for the inclusion of-

Magnolia Pet. Co. Dickinson Heirs #1 in Unit M of Sec. 33-10-36, comp.
in Penn. 1/28/57 top perf. 11,504

Proposed Boundary : Colored in Red SW/4 of Sec. 33

Case 1222 : (C) Creation of a new pool

County LEA Pool FOWLER-CONNELL

9-10 Connell

TOWNSHIP 24 South, RANGE 37 East, NEW MEXICO PRINCIPAL MERIDIAN

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

Purpose: To create a pool for the inclusion of-

Pan American Pet. Corp. South Mattix Unit #3 in Unit B of Sec.22-24-37

comp. 1/20/57 in the Connell(recompletion)tp 9/11

Proposed Boundary: Colored in Red NE/4 of Section 22

Case 1222: (D) Creation of a new pool

County LEA Pool QUERECHO PLAINS-PENN.
Penn. 11-12

TOWNSHIP		18	South	RANGE	32	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

Purpose: To create a new pool for

Shell Oil Co. Querecho Plains Unit #1 in Unit A of Sec. 22-18-32
completed 1/11/57 in Penn. Top perf. 11,595

Proposed Boundary : Colored in Red SW/4 of Section 22

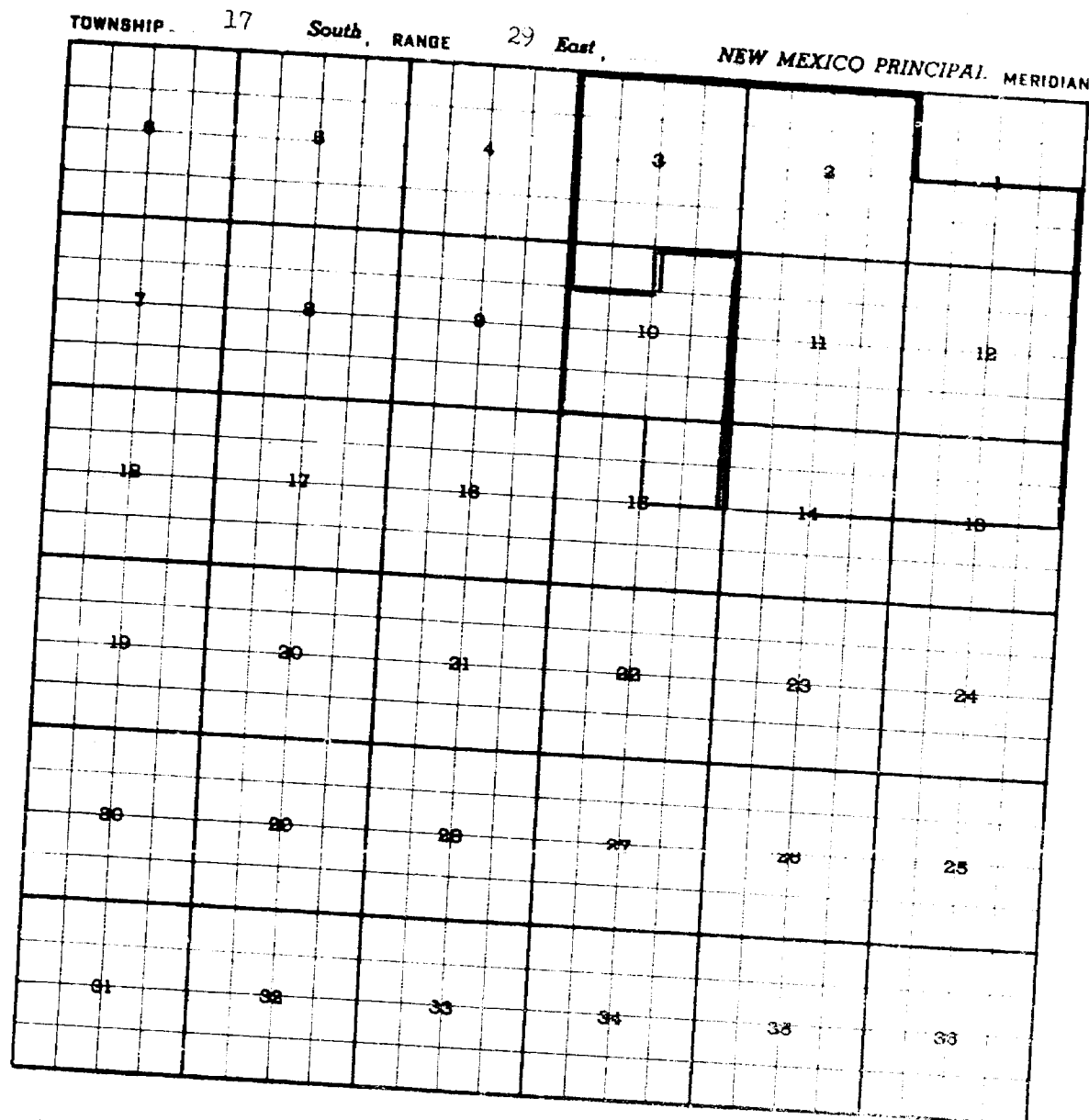
Case 1222: (E) Extension of an existing pool

PART OF THIS CASE UNADVERTISED

County EDDY

G-SA

Pool ANDERSON



Purpose: To extend the pool for the inclusion of:

Barney Cockburn Cockburn-Featherstone Fed. #1-X in Unit E of Section 10-17-29
comp. 1/27/57 in Grayburg des. 2402

UNADVERTISED Sunray Mid-Continent Oil Co. M. Dodd "B" #9 in Unit H of Sec. 15-17-29
comp. 2/5/57 in San Andres-Grayburg top perf. 2430

Existing Boundary & Colored in Red

Proposed Extension: Colored in Green Adv. S/2, SE/4 and S/2 NE/4 of Sec. 10
Unadvertised NE/4 of Section 15

part of this case unadvertised

EDLY

Pool _____

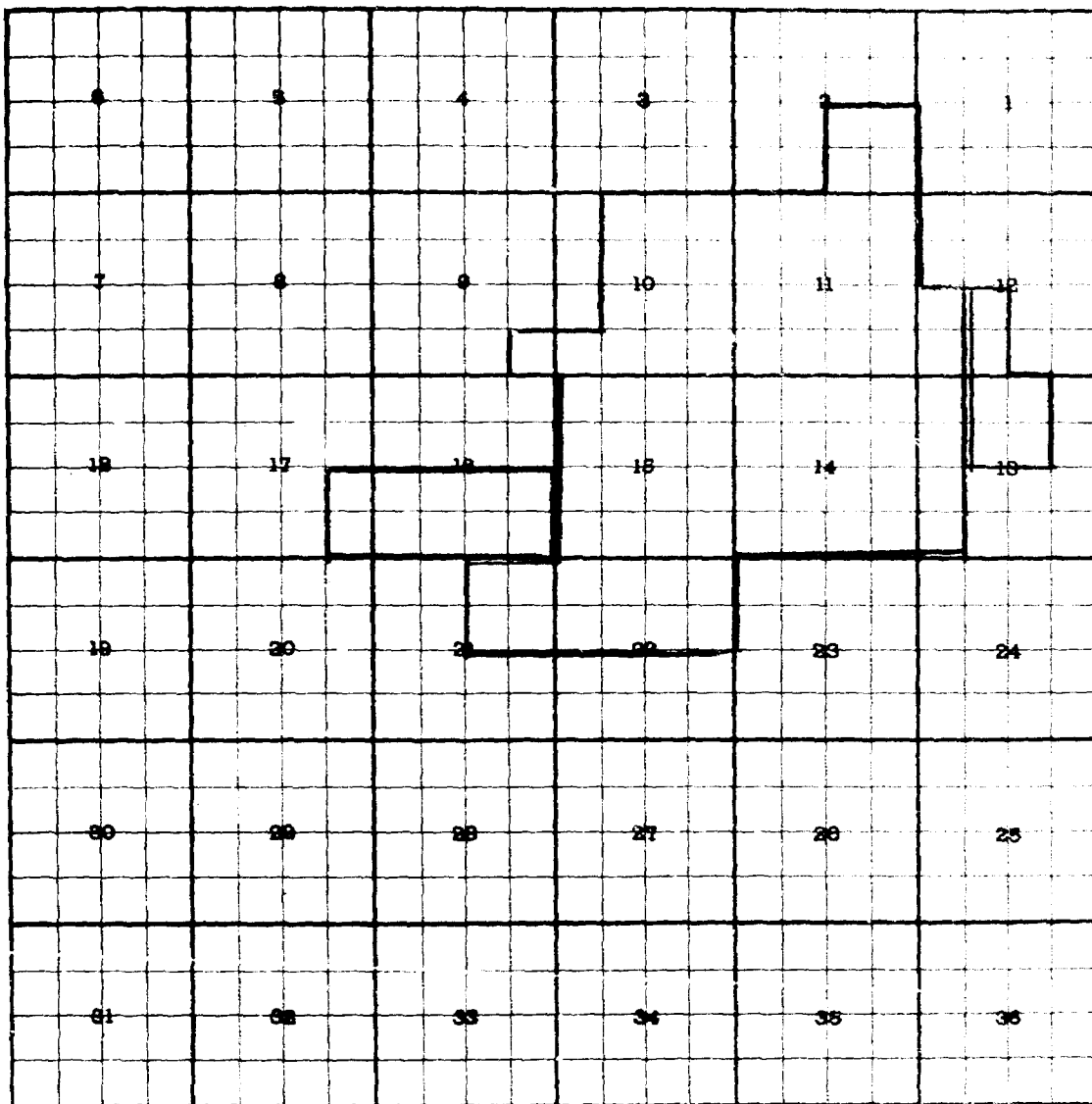
South

RANGE

26

East

NEW MEXICO PRINCIPAL. MERIDIAN



Purpose: To extend the pool for the inclusion of-

Standard Oil Co. of Texas

Mrs. S. H. Vintager et al #1 in Unit N of Sec. 12-13-26

comp. 2/5/57 in San Andres top perf. ?

UNADVERTISED

Standard Oil Co. of Texas

Minnie C. Leavitt in Unit B of Sec. 13-18-26

comp. 2/14/77 in SA top perf. 1972

Yates Bros.

BEARS: 3. 11.

pt 1 of Sec. 17-18-26 comp. in on 3/30/57

Existing boundary : Colored in red

Processed Extension: Colored in Green.

not. $2/2$ $3/4$ of sec. 1/2

Unadv. Dec 12: $r' = 13/4$ and $1/2$ $13/4$.

Dec. 16: 2 ; Dec. 17 -1/2 3 1/4

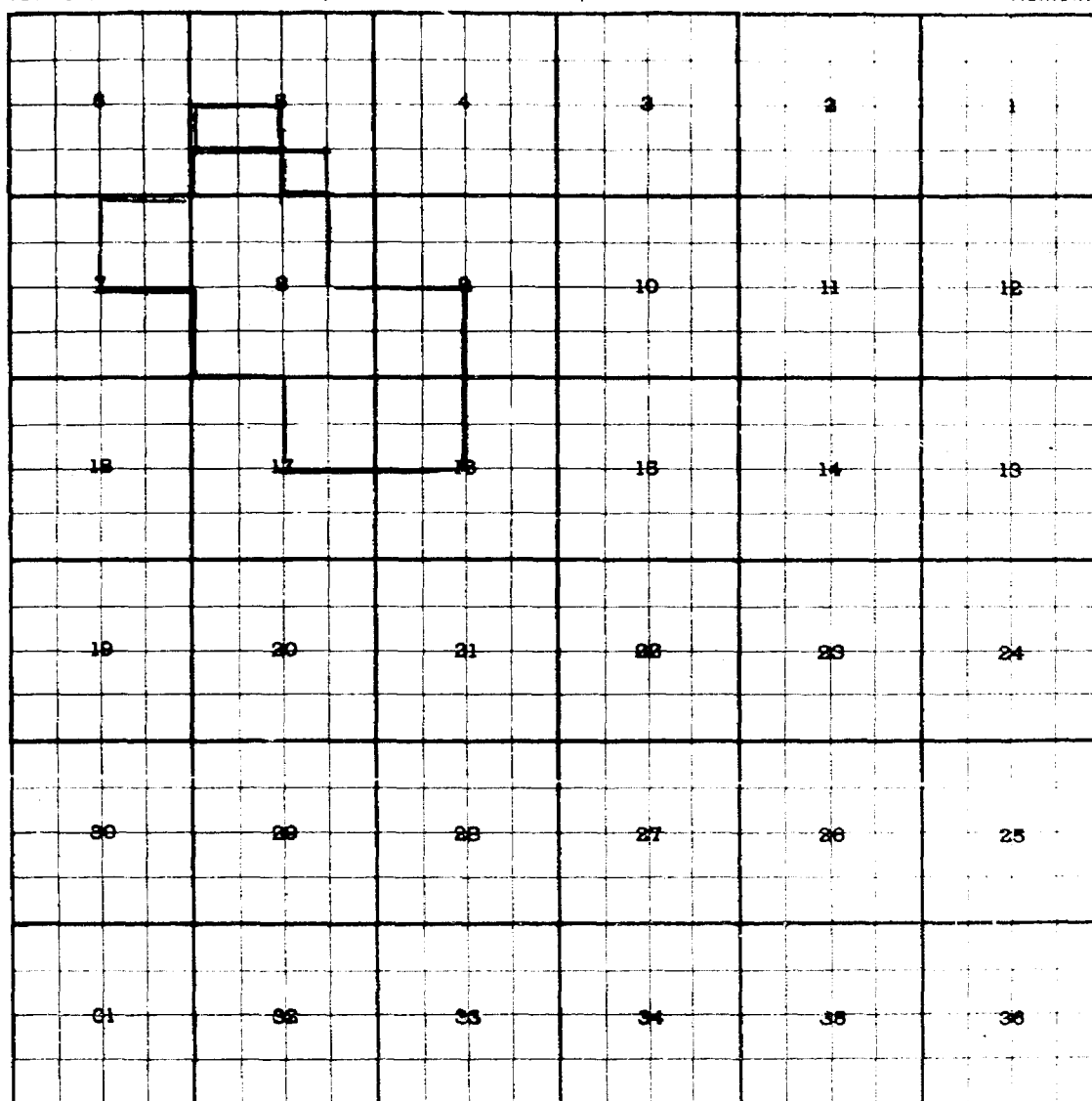
PART OF THIS CASE UNADVERTISED

Case 1222: (G) Extension of an existing pool

County EDDY Pool CAVE

0-5 Grayburg

TOWNSHIP 17 South, RANGE 29 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of-

John M. Kelly Elk State "A" #1 in Unit K of Sec. 5-17-29 comp. in Grayburg
1/10/57 Sec. 2334 &

UNADVERTISED Continental Oil Co. State P-5 #1 in Unit O of Sec. 5-17-29 comp. in
Grayburg 2/11/57

Existing Boundary- Colored in Red

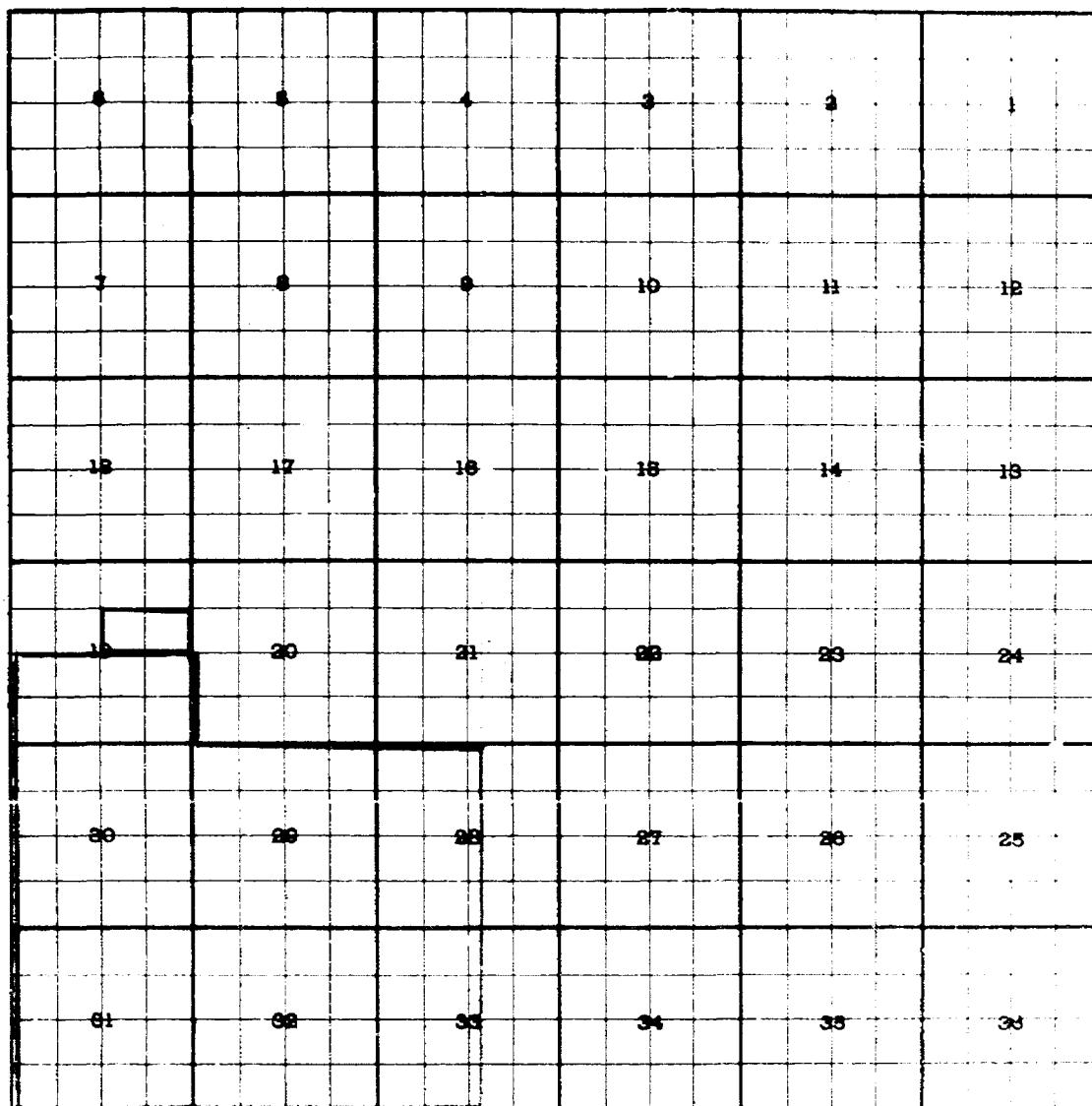
Proposed Extension : Colored in Green Adv. N/4 SE/4 of Sec. 5

Unadv. SW/4 SE/4 of Sec. 5

Case 1222: (H) Extension of an existing pool

County LEA Pool DOLLARHOE-BRINKARD

TOWNSHIP 24 South, RANGE 36 East, NEW MEXICO PRINCIPAL MERIDIAN



Purpose: To extend the pool for the inclusion of-

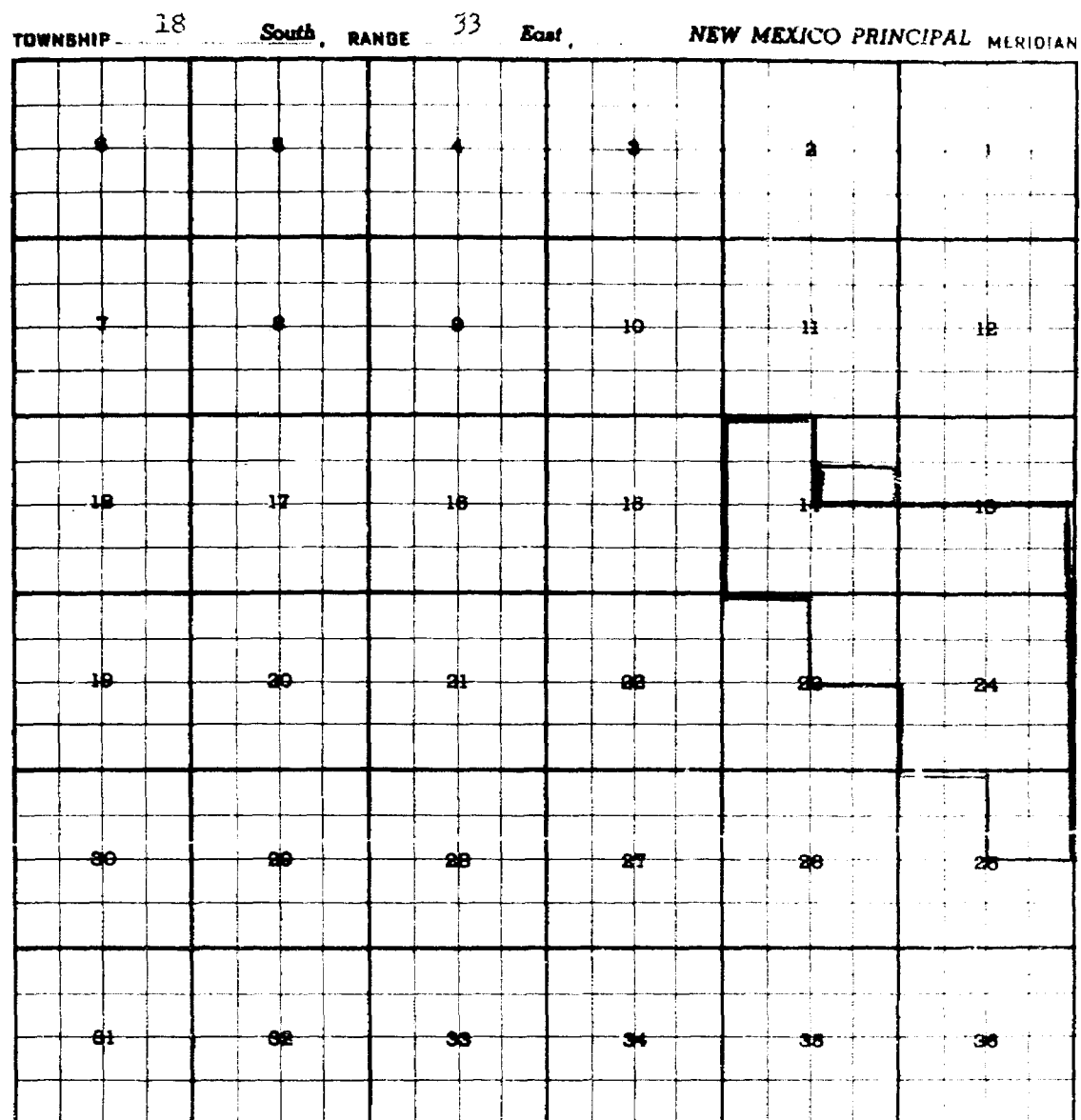
Sinclair Oil & Gas Co. J. H. McClure #20 in Unit G of Sec. 19-24-36
comp. 1/26/57 in Brinkard - top perf. 6662

Existing Boundary : Colored in Red

Proposed Extension : Colored in Green 3/2 NE/4 of Sec. 19

Case 1222: Extension of an existing pool (7)

County LEA Pool E-1 Green



Purpose: To extend the pool for the inclusion of

Carper Drilling Co. Carper Sivley ~~is~~ in Unit H of Sec. 14-18-33
comp. in Queen 2/8/57 des. 4249

Existing Boundary : Colored in Red

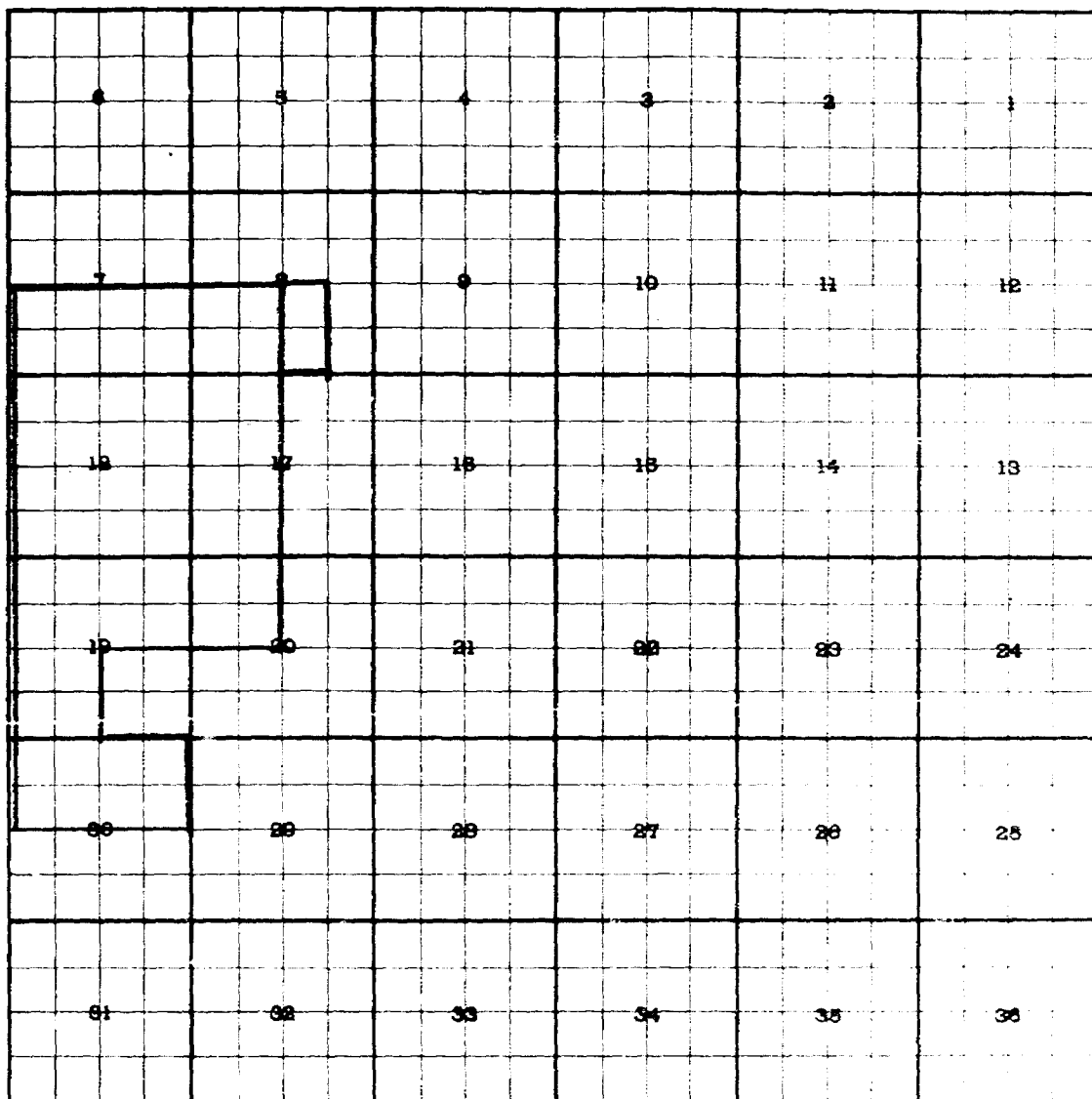
Proposed Extension : Colored in Green 3/2, 3/4 of Section 14

Case 1222:(I) Extension of an existing pool

UNADVERTISED

County LEA Pool E-K QUEEN

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



Purpose: To extend the pool for the inclusion of -

Cities Service Production Co. State BS 51 in Unit 1 of Section 8-13-34
comp. in Queen 2/20/57 top perf. 4424

Existing Boundary: Colored in Red

Proposed Extension: Colored in Green 6-11-57 1/11/58

Case 1322 Nomenclature Adv. for March

OK 2/25/57 *OK 2/25/57* *Noted*
OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

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 extension of existing pools in Lea and Eddy Counties, New Mexico, and giving notice to all persons and parties interested in the subject matter thereof to appear and show cause why such creations 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 East Crossroads-Devonian pool, and described as:

Lea County, N.M. 12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30
Twp. 9 South, Range 37 East
NW/4 of Section 30

C
~~and such other etc.~~

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

10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30
Twp. 10 South, Range 36 East
SW/4 of Section 33

O
~~and such other etc.~~

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

24-25-26-27-28-29-30
Twp. 24 South, Range 37 East
NE/4 of Section 22

P
~~and such other etc.~~

(d) Create a new pool in Lea County, New Mexico, classified as an oil pool for Pennsylvanian production, designated as the Queresho Plains-Pennsylvanian pool, and described as:

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
Twp. 18 South, Range 32 East
SW/4 of Section 22

~~and such other etc.~~

(e) Extend the Anderson pool boundary in Eddy County, New Mexico, to include therein:

Twp. 17 South, Range 29 East
S/2, NE/4 and S/2 NW/4 of Section 10

~~and such other etc.~~

(f) Extend the Atoka pool boundary in Eddy County, New Mexico, to include therein:

Twp. 18 South, Range 26 East
1/2 of the SE/4 of Section 12

~~and such other etc.~~

OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

(g) Extend the Cave pool boundary in Eddy County, New Mexico, to include therein:

Twp. 17 South, Range 29 East
N/2 of the SW/4 of Sec. 5

~~and such other etc.~~

(h) Extend the Dollarhide-Drinkard pool boundary in Lea County, New Mexico, to include therein:

Twp. 24 South, Range 38 East
S/2 of the NE/4 of Section 19

~~and such other etc.~~

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

Twp. 18 South, Range 33 East
S/2 of the NE/4 of Section 14

and such other etc.