

CASE 2697:

SOUTHEASTERN NEW MEXICO
NOMENCLATURE

2697

tion, Transcript,

1 Exhib. 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. 2697
ORDER NO. R-2363

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER
CREATING AND EXTENDING CERTAIN
POOLS IN CHAVES, 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 November 14, 1962, 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 November, 1962, 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 the proposed creation of a new pool in Section 16, Township 10 South, Range 27 East, Chaves County, New Mexico, for the production of oil from the San Andres formation should be dismissed due to improper legal notice.

(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 Goodwin-Abo Pool. Said Goodwin-Abo Pool was discovered by Continental Oil Company, State GG 30 No. 1, located in the SW/4, Unit K, of Section 30, Township 18 South, Range 37 East, NMPM. It was completed August 21, 1962. The top of perforations is 7477 feet.

CASE NO. 2697

Order No. R-2363

(4) That there is need for certain extensions to the North Hackberry-Yates Pool, the Henshaw-Wolfcamp Pool, and the Shugart Pool, all in Eddy County, New Mexico, the Milnesand-San Andres Pool in Roosevelt County, New Mexico, the Bronco-Wolfcamp Pool, the Elliott-Abo Pool, the Monument-McKee Gas Pool, the Pearl-Queen Pool, the Vacuum-Queen Pool, and the Vacuum Grayburg-San Andres Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

(a) That the proposed creation of a new pool in Chaves County, New Mexico, classified as an oil pool for San Andres production, designated as the Diablo-San Andres Pool, consisting of the following described area:

TOWNSHIP 10 SOUTH, RANGE 27 EAST, NMPM
SECTION 16: SE/4

is hereby dismissed.

(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 Goodwin-Abo Pool, consisting of the following described area:

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM
SECTION 30: SW/4

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

TOWNSHIP 13 SOUTH, RANGE 38 EAST, NMPM
SECTION 2: NE/4

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

TOWNSHIP 21 SOUTH, RANGE 38 EAST, NMPM
SECTION 9: NW/4

(e) That the North Hackberry-Yates Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
SECTION 28: NW/4 NW/4

CASE NO. 2697
Order No. R-2363

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

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM
SECTION 23: NE/4

(g) That the Milnesand-San Andres Pool in Roosevelt County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
SECTION 12: SE/4
SECTION 24: N/2 NE/4

TOWNSHIP 8 SOUTH, RANGE 35 EAST, NMPM
SECTION 18: NE/4

(h) That the Monument-McKee Gas 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 5: SW/4

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

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
SECTION 3: E/2 SW/4

(j) That the Shugart 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 25: N/2 SW/4

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

TOWNSHIP 18 SOUTH, RANGE 33 EAST, NMPM
SECTION 1: SE/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: NE/4

-4-

CASE NO. 2697
Order No. R-2363

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

TOWNSHIP 18 SOUTH, RANGE 36 EAST, SEVEN
SECTION 6: NE/4

IT IS FURTHER ORDERED:

That the effective date of this order and all creations and extensions included herein shall be December 1, 1962.

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

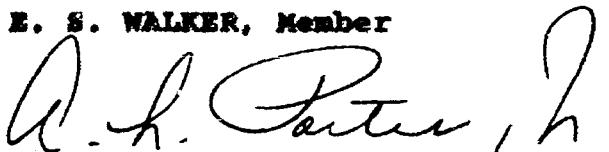
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



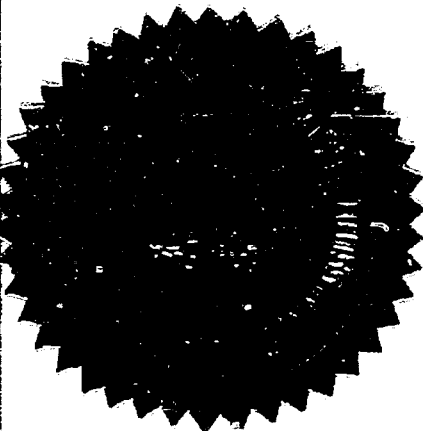
EDWIN L. MECHEM, Chairman



E. S. WALKER, Member



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



199/

No. 33-62

DOCKET: REGULAR HEARING - WEDNESDAY - NOVEMBER 14, 1962

OIL CONSERVATION COMMISSION - 9 A.M. - MORGAN HALL, STATE LAND OFFICE
BUILDING, SANTA FE, NEW MEXICO

- ALLOWABLE: (1) Consideration of the oil allowable for December, 1962.
- (2) Consideration of the allowable production of gas for December, 1962, for ten prorated pools in Lea and Eddy Counties, New Mexico, and also presentation of purchaser's nominations for the six-month period beginning January 1, 1963 for that area. Consideration of the allowable production of gas for nine prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico for December, 1962.

CASE 2504: (Rehearing Continued)
Application of Consolidated Oil & Gas, Inc. for an amendment of Order No. R-1670-C changing the allocation formula for the Basin-Dakota Gas Pool, San Juan, Rio Arriba, and Sandoval Counties, New Mexico. In accordance with the Commission's Ruling of October 18, 1962, on Motions to Quash Subpoenas Duces Tecum, the Commission will receive evidence concerning custody and/or control of core analysis, reports, and electric and radioactivity logs concerning wells that have cored in the Basin-Dakota Gas Pool. The case will then be continued to the regular hearing on December 19, 1962.

CASE 2623: (DE NOVO)
Application of Mrs. Alma Goodwin, Mrs. Nell M. De Forrest, and Mrs. Aulena M. Jennings for a hearing de novo of Case No. 2623, Order No. R-2317, application of W. K. Byrom for compulsory pooling, Lea County, New Mexico.

CASE 2696: Application of Texas Pacific Coal & Oil Company for 40-acre spacing, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order rescinding Commission Order No. R-69-D, which order provides for 80-acre spacing and pro-rata units, Bagley Siluro-Devonian Pool, Lea County, New Mexico.

✓ CASE 2697: Southeastern New Mexico nomenclature case calling for an order creating new pools, and extending certain existing pools in Eddy, Lea and Roosevelt Counties, New Mexico.

(a) Create a new oil pool for San Andres production, designated as the Diablo-San Andres Pool, and described as:

TOWNSHIP 10 SOUTH, RANGE 27 EAST, NMPM
Section 16: SE/4

- (b) Create a new oil pool for Abo production, designated as the Goodwin-Abo Pool, and described as:

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM
Section 30: SW/4

- (c) Extend the Bronco-Wolfcamp Pool to include:

TOWNSHIP 13 SOUTH, RANGE 38 EAST, NMPM
Section 2: NE/4

- (d) Extend the Elliott-Abo Pool to include:

TOWNSHIP 21 SOUTH, RANGE 38 EAST, NMPM
Section 9: NW/4

- (e) Extend the North Hackberry-Yates Pool to include:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
Section 28: NW/4 NW/4

- (f) Extend the Henshaw-Wolfcamp Pool to include:

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM
Section 23: NE/4

- (g) Extend the Milnesand-San Andres Pool to include:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
Section 24: N/2 NE/4

- (h) Extend the Monument-McKee Gas Pool to include:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 5: SW/4

- (i) Extend the Pearl-Queen Pool to include:

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
Section 3: E/2 SW/4

- (j) Extend the Shugart Pool to include:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
Section 25: N/2 SW/4

- (k) Extend the Vacuum-Queen Pool to include:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 7: NE/4

- (l) Extend the Vacuum-Grayburg San Andres Pool to include:

TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM
Section 6: NE/4

CASE 2698:

Northwestern New Mexico nomenclature case calling for an order extending certain existing pools in Rio Arriba, San Juan, and Sandoval Counties, New Mexico.

- (a) Extend the Blanco-Pictured Cliffs Pool to include:

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM
Section 21: SW/4

- (b) Extend the South Blanco-Pictured Cliffs Pool to include:

TOWNSHIP 24 NORTH, RANGE 2 WEST, NMPM
Section 36: SW/4

- (c) Extend the Bisti-Lower Gallup Oil Pool to include:

TOWNSHIP 24 NORTH, RANGE 9 WEST, NMPM
Section 15: S/2 NW/4

- (d) Extend the Cha Cha-Gallup Oil Pool to include:

TOWNSHIP 29 NORTH, RANGE 14 WEST, NMPM
Section 18: S/2 SW/4 & SW/4 SE/4

TOWNSHIP 29 NORTH, RANGE 15 WEST, NMPM
Section 13: S/2 SE/4

- (e) Extend the Devils Fork-Gallup Pool to include:

TOWNSHIP 24 NORTH, RANGE 6 WEST, NMPM
Section 7: E/2 SE/4
Section 8: W/2 SW/4

- (f) Extend the Verde-Gallup Oil Pool to include:

TOWNSHIP 31 NORTH, RANGE 14 WEST, NMPM
Section 22: SE/4 NW/4

-4-

Docket No. 33-62

(9) Extend the Rattlesnake-Pennsylvanian Oil Pool to include:

TOWNSHIP 29 NORTH, RANGE 18 WEST, NMPM

Section 18: SW/4 & S/2 NW/4

Section 19: N/2 NW/4 & W/2 NE/4

TOWNSHIP 29 NORTH, RANGE 19 WEST, NMPM

Section 2: E/2 SW/4

Section 11: NE/4 & E/2 NW/4

Section 12: NW/4, E/2 SW/4 & SE/4

Section 13: NE/4

199/

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
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
November 14, 1962

REGULAR HEARING

IN THE MATTER OF:

Southeastern New Mexico nomenclature
case calling for an order creating new
pools, and extending certain existing
pools in Eddy, Lea and Roosevelt Counties,
New Mexico.

Case 2697

BEFORE: Honorable Edwin L. Mechem
Mr. A. L. "Pete" Porter
Mr. E. S. "Johnny" Walker

TRANSCRIPT OF HEARING

MR. PORTER: We'll take up Case 2697.

MR. DURRETT: Southeastern New Mexico nomenclature case
calling for an order creating new pools, and extending certain
existing pools in Eddy, Lea and Roosevelt Counties, New Mexico.

(Witness sworn.)

ERIC ENGBRECHT

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

DIRECT EXAMINATION

BY MR. DURRETT:

Q Will you please state your name and position for the



record?

A Eric Engbrecht, engineer, District 1 with the New Mexico Oil Conservation Commission at Hobbs, New Mexico.

Q Mr. Engbrecht, are you prepared to recommend to the Commission today that it enter an order creating the new pools and extending certain existing pools in Eddy, Lea and Roosevelt Counties, New Mexico?

A I am.

Q In that connection have you prepared your recommendations in the form of an exhibit?

A I have.

Q Referring first to paragraph (a) of this exhibit which concerns creating a new oil pool for San Andres production, it's been called to my attention that there was an error in advertising this paragraph, is that correct?

A That is correct.

Q In that connection would you like to move the Commission to delete this paragraph from your recommendation and take it up at a later date after it has been properly advertised?

A I would.

Q Now, referring to your exhibit once again, do you have any additions or corrections that you would like to make to that exhibit?

DEARNLEY-MEIER REPORTING SERVICE, Inc.

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PAGE 4

A Yes. In addition to the deletion of paragraph (a) there is additions in paragraph (g) within Section 12 of the Southeast Quarter of Township 8 South, Range 34 East. There is also another addition in the Northeast Quarter of Section 18 of Township 8 South and Range 35 East. The further addition is in paragraph (k), and this should read Southeast Quarter of Section 1 of Township 18 South, Range 33 East. These are the only additions that we have.

Q And do you, with the exception of these additions, do you recommend that your exhibit be adopted in full as expressing your recommendations?

A Yes, sir.

Q As that appears on this docket and as advertised in this case?

A Yes, sir, except for the additions which I mentioned in the testimony.

Q Thank you. Was Exhibit 1 prepared by you or under your direct supervision?

A Yes, sir.

MR. DURRETT: If the Commission please, I move the introduction of Exhibit 1 in this case, and that concludes my examination.

MR. PORTER: Without objection the exhibit will be



admitted. Mr. Durrett, was there a motion to dismiss one paragraph in the case?

MR. DURRETT: Yes, sir, there was, paragraph (a). The witness stated, it was called to my attention that there had not been correct advertisement, and he moved to delete that paragraph from his recommendations and from the exhibit.

MR. PORTER: That's the creation of the Diablo-San Andres Pool?

MR. DURRETT: Yes, sir, that is.

MR. PORTER: That paragraph will be dismissed. Does anyone have any questions of the witness? The witness may be excused.

(Witness excused.)

MR. PORTER: If there's nothing further to be offered in the case we'll take it under advisement.

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SANTA FE, N. M.
PHONE 983-3571

ALBUQUERQUE, N. M.
PHONE 243-6691



STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

I, ADA DEARNLEY, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 27th day of November, 1962.

Ada Dearnley
Notary Public-Court Reporter

My commission expires:
June 19, 1963.

DEARNLEY-MEIER REPORTING SERVICE, Inc.

FARMINGTON, N. M.
PHONE 325-1182

SANTA FE, N. M.
PHONE 983-3971

ALBUQUERQUE, N. M.
PHONE 243-6691



CASE 2697: (a) CREATION OF A NEW OIL POOL

County Chaves Pool Diablo San Andres

| TOWNSHIP 10 | | | | | | RANGE 27 | | | | | | NEW MEXICO PRINCIPAL MERIDIAN | | | | | |
|-------------|--|----|--|----|--|----------|--|----|--|----|--|-------------------------------|--|--|--|--|--|
| 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.

Discovery Well: Ernest A. Hanson, Diablo St. #1 in Unit P
of section 16-10-27, Completed in San Andres, August 17, 1962.
Top of perforations 2062.

Proposed pool boundary colored in green: Section 16:SE/4

CASE 2697: (b) CREATION OF A NEW OIL POOL

COUNTY LEA POOL GOODWIN-ABO

TOWNSHIP 18 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 |

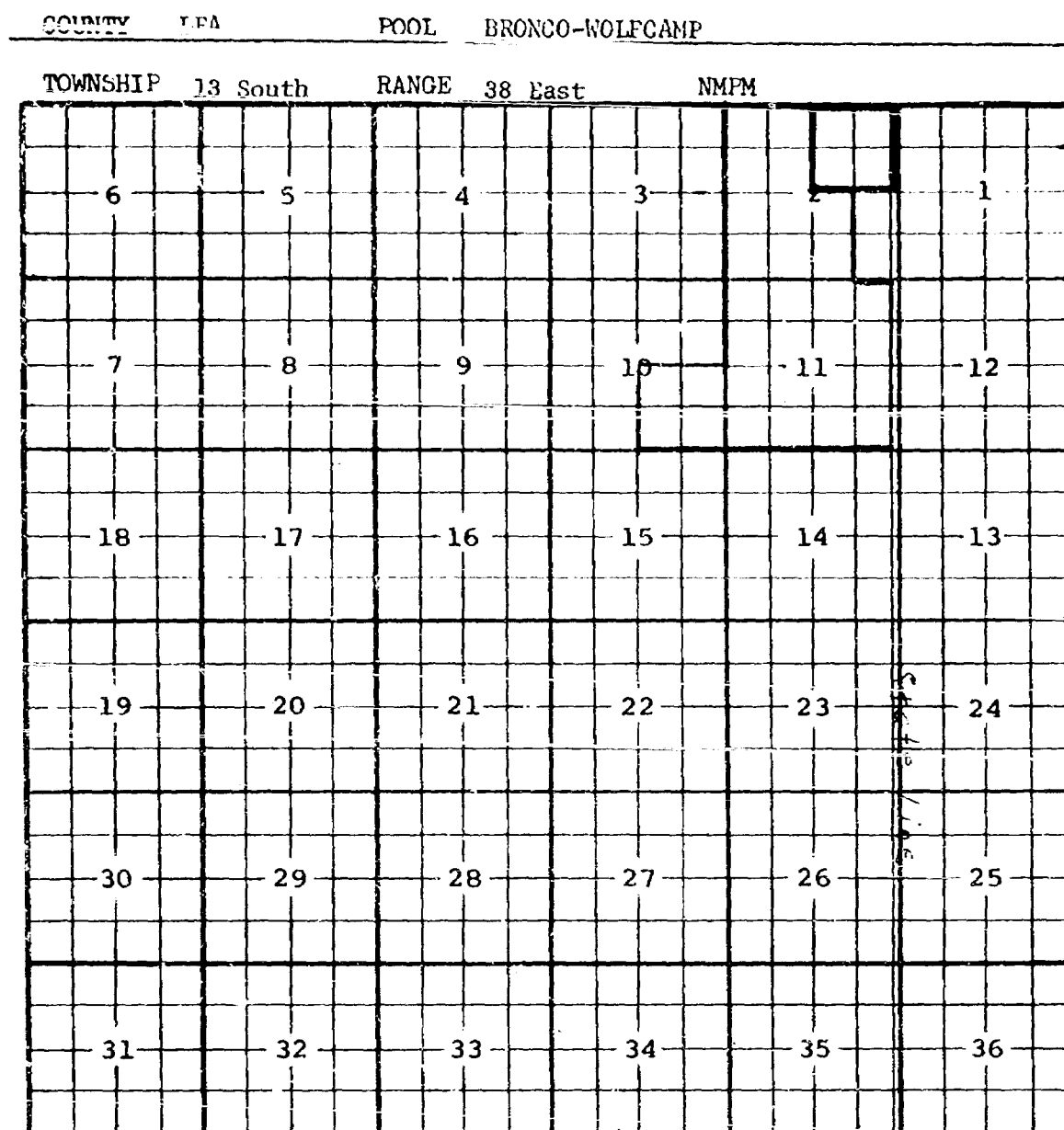
PURPOSE: Create a new pool for the inclusion of-

CONTINENTAL OIL COMPANY - State GG 30 #1 in Unit K of Section 30-18-37.

Completed in Abo on August 21, 1962. Top of Perforations 7477'.

Pool boundary colored in red. SECTION 30: SW/4

CASE 2697: (c) EXTENSION OF AN EXISTING OIL POOL



PURPOSE: One completed oil well capable of producing.

JAMES G. BROWN & ASSOCIATES - Lipscomb-Harris #1 in Unit C of Section 2-13-38. Completed in Wolfcamp on August 20, 1962. Top of Perforations 9066'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 2: NE/4

CASE 2697: (d) EXTENSION OF AN EXISTING OIL POOL

| | | | |
|----------|----------|-------|-------------|
| COUNTY | LEA | POOL | ELLIOTT-ABO |
| TOWNSHIP | 21 South | RANGE | 38 East |
| | | | NMPM |
| 6 | 5 | 4 | 3 |
| 7 | 8 | 9 | 10 |
| 18 | 17 | 16 | 15 |
| 19 | 20 | 21 | 22 |
| 30 | 29 | 28 | 27 |
| 31 | 32 | 33 | 34 |

PURPOSE: One completed Oil well capable of producing.

ELLIOTT, INC. - Wylie #4 in Unit D of Section 9-21-38. Completed in Abo on September 15, 1962. Top of Perforations 7402'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 9: NW/4

CASE 2697: (c) EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool North Hackberry Yates

| TOWNSHIP 19 | | | | | | RANGE 31 | | | | | | NEW MEXICO PRINCIPAL MERIDIAN | | | | | |
|-------------|----|----|----|----|----|----------|--|--|--|--|--|-------------------------------|--|--|--|--|--|
| 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 .

J. J. Travis: Tenneco Fed. No. 1 in Unit D of Section
28-19-31. Completed in Yates Sept. 30, 1962.

Top of perforations 2152.

Pool boundary colored in red.

Proposed extension colored in green: Section 28 NW/4 NW/4

CASE 2697: (f) EXTENSION OF AN EXISTING OIL POOL

County S Quay Pool Henshaw Wolfcamp

| TOWNSHIP 16 | | | | | | RANGE 30 | NEW MEXICO PRINCIPAL MERIDIAN | | | | | |
|-------------|----|----|----|----|----|----------|-------------------------------|--|--|--|--|--|
| 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 Co. - Henshaw Deep Unit No. 5 in Unit A of
 Section 23-16-30. Completed in Wolfcamp, August 25, 1962.
 Top of perforations 8785.

Pool boundary colored in red.

Proposed extension colored in green: Section 23: NE/4

CASE 2697: (g) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY ROOSEVELT

POOL MILNESAND-SAN ANDRES

TOWNSHIP 8 South

RANGE 34 East

SECTION

| | | | | | |
|----|----|----|----|----|----|
| 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.

SUNRAY DX OIL COMPANY - N. M. Federal "F" # 7 in Unit A of Section 24-8-34. Completed in San Andres on May 8, 1962. Top of Perforations 4577'.

ADDITION--SUNRAY DX OIL COMPANY - Y. F. Bowley #1 in Unit O of Section 12-8-34. Completed in San Andres on October 16, 1962. Top of Perforations 4585'.

Pool boundary colored in red.

Proposed extensions colored in green. SECTION 24: N/2 NE/4

ADDITION: SECTION 12: SE/4

CASE 2697: (g) EXTENSION OF AN EXISTING OIL POOL (Continued)

COUNTY ROOSEVELT POOL MILNESAND--SAN ANDRES

TOWNSHIP 8 South RANGE 35 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, Exhibit 1, paragraph (g)

ADDITION--EL CHORRO EXPLORATION, INC. - D. Hefflefinger #4 in Unit H
of Section 18-8-35. Completed in San Andres on October 5,
1962. Top of Perforations 4576'.

Pool boundary colored in red.

ADDITION: Proposed extension colored in green. SECTION 18: NE/4

CASE 2697: (h) EXTENSION OF AN EXISTING GAS POOL

COUNTY LEA POOL MONUMENT-McKEE GAS

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 gas well capable of producing.

MARATHON OIL COMPANY - Bertha Barber #12 in Unit L of Section 5-20-37.

Completed in McKee on December 17, 1961. Top of Perforations 9773'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 5: SW/4

CASE 2697: (1) EXTENSION OF AN EXISTING OIL POOL

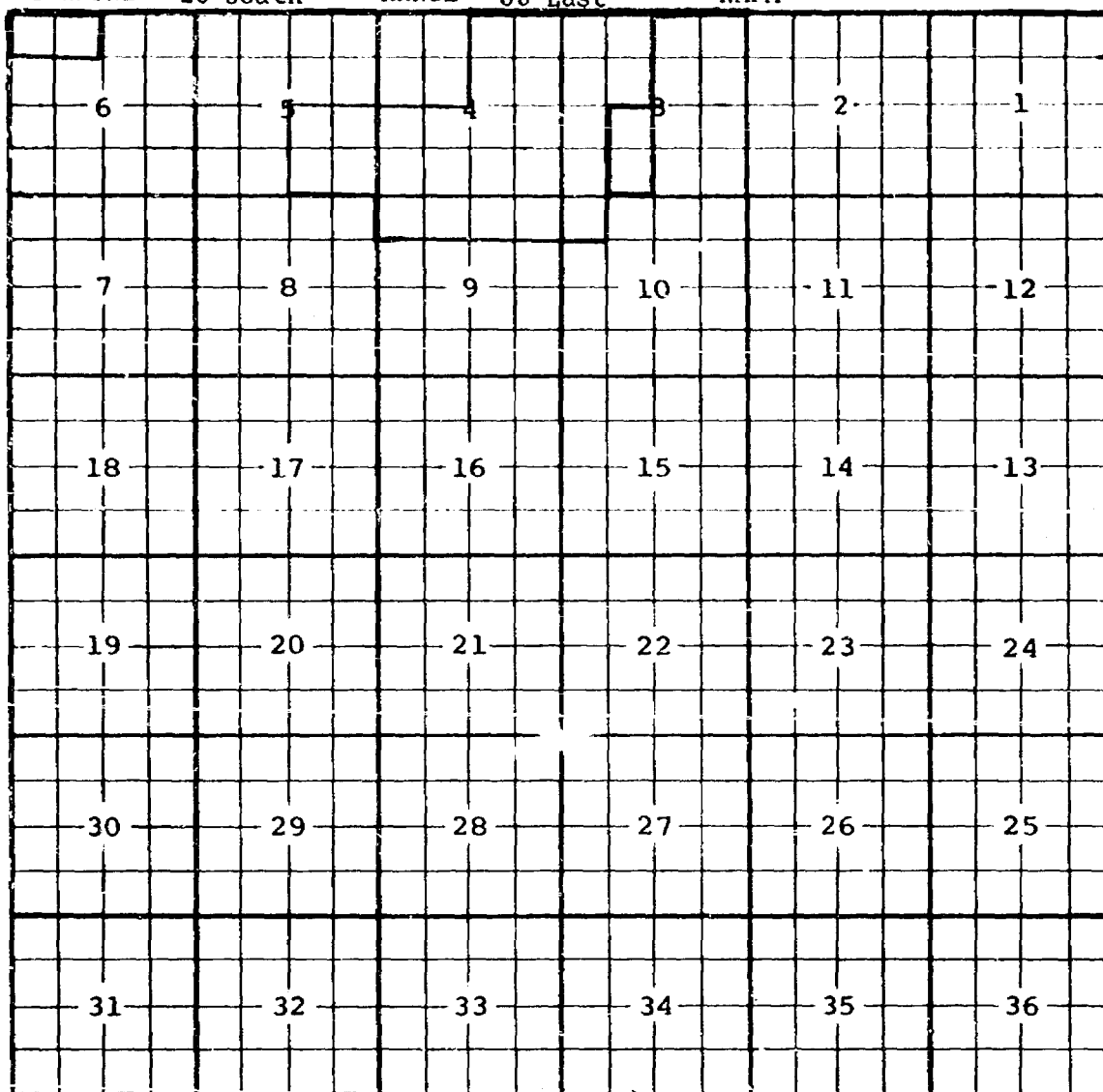
COUNTY LEA

POOL PEARL-QUEEN

TOWNSHIP 20 South

RANGE 35 East

NMPM



PURPOSE: One completed oil well capable of producing.

C. W. TRAINER - Western C #1 in Unit N of Section 3-20-35. Completed in Queen on September 14, 1962. Top of Perforations 4950'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 3: E/2 SW/4

CASE 2697: (j) EXTENSION OF AN EXISTING OIL POOL

County Eddy Pool Shugart

| TOWNSHIP 18 | | | | | | RANGE 30 | | | | | | NEW MEXICO PRINCIPAL MERIDIAN | | | | | |
|-------------|--|----|--|----|--|----------|--|----|--|----|--|-------------------------------|--|--|--|--|--|
| 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
R. Q. Silverthorne - Keinath Fed. No. 2 in Unit K of
Section 25-18-30. Completed in Yates August 31, 1962.
Top of perforation 2454.

Pool boundary colored in red.

Proposed extension colored in green: Section 25: N/2 SW/4

CASE 2697: (k) EXTENSION OF AN EXISTING OIL POOL (Continued on next page)

COUNTY LEA POOL VACUUM-QUEEN

TOWNSHIP 18 South RANGE 34 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 - State CL #5 in Unit B of Section 7-18-34. Completed in Queen on September 24, 1962. Top of Perforations 4273'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 7: NE/4

CASE 2697: (k) EXTENSION OF AN EXISTING OIL POOL (Continued)

| COUNTY | LEA | POOL VACUUM-QUEEN | | | | | | | | | | | |
|----------|----------|-------------------|----|----|----|--|--|------|--|--|--|--|--|
| TOWNSHIP | 18 South | RANGE 33 East | | | | | | NMPM | | | | | |
| 6 | 5 | 4 | 3 | 2 | | | | | | | | | |
| 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, Exhibit 1, paragraph (k)
 ADDITION -- CARPER DRILLING COMPANY - Cockburn State B #5 in Unit I
 of Section 1-18-33. Completed in Queen on October 29, 1962.
 Top of Perforations 4196'.

Pool boundary colored in red.

ADDITION: Proposed extension colored in green. SECTION 1: SE/4

CASE 2697: (1) EXTENSION OF AN EXISTING OIL POOL

COUNTY LEA

POOL VACUUM-GRAYBURG-SAN ANDRES

TOWNSHIP 18 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: One completed oil well capable of producing.

AZTEC OIL & GAS COMPANY - Cabot State #1 in Unit B of Section 6-18-36.

Completed in Grayburg on October 1, 1962. Top of Perforations 5104'.

Pool boundary colored in red.

Proposed extension colored in green. SECTION 6: NE/4

*checked
by A.R.U.*

NOMENCLATURE ADVERTISEMENT FOR NOVEMBER 1962
CASE 2697

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 in Lea and Eddy Counties, New Mexico, and extensions of certain existing pools in Lea, Eddy, and Roosevelt 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 Eddy County, New Mexico, classified as an oil pool for San Andres production, designated as the Diablo-San Andres Pool, and described as:

✓TOWNSHIP 10 SOUTH, RANGE 27 EAST, NMPM
SECTION 16: SE/4

b) CREATE A new pool in Lea County, New Mexico, classified as an oil pool for Abo production, designated as the Goodwin-Abo Pool, and described as:

✓TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM
SECTION 30: SW/4

c) EXTEND the Bronco-Wolfcamp Pool in Lea County, New Mexico, to include therein:

✓TOWNSHIP 13 SOUTH, RANGE 38 EAST, NMPM
SECTION 2: NE/4

d) EXTEND the Elliott-Abo Pool in Lea County, New Mexico, to include therein:

✓TOWNSHIP 21 SOUTH, RANGE 38 EAST, NMPM
SECTION 9: NW/4

e) EXTEND the North Hackberry-Yates Pool in Eddy County, New Mexico, to include therein:

✓TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM
SECTION 28: NW/4 NW/4

f) EXTEND the Henshaw-Wolfcamp Pool in Eddy County, New Mexico, to include therein:

✓TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM
SECTION 23: NE/4

g) EXTEND the Milnesand-San Andres Pool in Roosevelt County, New Mexico, to include therein:

✓TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
SECTION 24: N/2 NE/4

h) EXTEND the Monument-McKee ^{Hae} Pool in Lea County, New Mexico, to include therein:

✓TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
SECTION 5: SW/4

-2- November, 1962, Nomenclature

i) EXTEND the Pearl-Queen Pool in Lea County, New Mexico, to include therein:

✓TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
SECTION 3: E/2 SW/4

j) EXTEND the Shugart Pool in Eddy County, New Mexico, to include therein:

✓TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
SECTION 25: N/2 SW/4

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

✓TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
SECTION 7: NE/4

l) EXTEND the Vacuum-Grayburg/San Andres Pool in Lea County, New Mexico, to include therein:

✓TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM
SECTION 6: NE/4