

County Eddy Pool Ross Draw - Delaware Gas

TOWNSHIP 26 South Range 30 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

State Line

Description: $\frac{W}{2}$ Sec 27, $\frac{NW}{4}$ Sec 34 (R-5143, 2-1-76)

CRW-SWD, Inc.
ONE FIRST CITY CENTER, SUITE 805
MIDLAND, TEXAS 79701
July 28, 1987
AUG - 3 1987
RECEIVED
OIL CONSERVATION DIVISION
SANTA FE

RALPH E. WILLIAMSON, President
JANE JILES, Vice President
for Finance and Accounting

Midland Area
915-683-2200
915-683-2633
915-694-4011 (Yard)
Carlsbad Area
505-887-0215
505-887-9442 (Mobile)

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Michael Stogner, Examiner

Re: Case #90170, presented
July 15, 1987

Dear Sir,

With reference to the above cause, as requested, the related OCD orders relating to previous Salt Water Disposal conversions, which are now being administered by CRW-SWD, Inc. as successor to BBC, Inc. and Stateline Ltd. are:

(1) BBC, Inc. Ross Draw Federal #1 located in unit letter C, Section 33, Township 26 South, Range 30 East, NMPM Eddy County, New Mexico, Case #7949, Order #R-7355 dated September 26, 1983, amended to be dated September 14, 1983.

(2) BBC, Inc. Federal AZ #1, located in unit letter I, Section 29, Township 26 South, Range 30 East, NMPM Eddy County, New Mexico, Case #8346, Order #R-7787 dated January 18, 1985.

If there are any questions concerning these NMOCD orders, please contact me here at this office.

Yours very sincerely,



Ralph E. Williamson

cc: Chad Dickerson
Seventh and Mahone, Suite E
Artesia, New Mexico 88210

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION



GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

August 4, 1987

CRW-SWD, Inc.
One First City Center
Suite 805
Midland, TX 79701

Attention: Ralph E. Williamson
President

RE: Case No. 9170: Application for
Salt Water Disposal.

Dear Mr. Williamson:

Thank you for the data supplied by your letter of July 28, 1987. However, I am still awaiting your reference to the Division Order approving the "treating plant facility" from which the water that will be injected is coming from and that you referenced to in your testimony of July 15, 1987.

Thank you for your assistance in this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael E. Stogner".

Michael E. Stogner
Engineer

MES/ag

cc: Case File 9170
Chad Dickerson

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 8346
Order No. R-7781

APPLICATION OF BBC, INC. FOR
SALT WATER DISPOSAL, EDDY COUNTY,
NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on September 19, 1984, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 18th day of January, 1985, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) The applicant, BBC, Inc., proposes to re-enter and be designated the operator of the Amoco Production Company Federal "AZ" Well No. 1, plugged and abandoned October 3, 1983, located 2080 feet from the South line and 660 feet from the East line (Unit I) of Section 29, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico.
- (3) The applicant proposes to utilize said well to dispose of produced salt water into the Delaware formation, with injection into the perforated interval from approximately 3,350 feet to 3,396 feet and into an open-hole interval from 3,555 feet to 3,700 feet.
- (4) The operator of said proposed Federal "AZ" Salt Water Disposal Well No. 1 should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface via surrounding injection, production, and/or plugged and abandoned wells.

(5) The following described previously plugged and abandoned wells are located within one-half mile of said Federal "AZ" Well No. 1:

<u>WELL NAME AND NO.</u>	<u>FOOTAGE LOCATION</u>	<u>P & A DATE</u>
Texas Pacific Coal & Oil Company U.S.A. (New Mexico) "A" Well No. 1	1980' FSL & 660' FEL (Unit P)	12/21/60
Fred Pool Drilling Company Federal "TP" Well No. 1	660'FN & FEL (Unit A)	12/5/63

both in Section 29, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico.

(6) Prior to commencement of injection into said Federal "AZ" Well No. 1, the operator should demonstrate that the wells described in Finding Paragraph No. (5) above have either been re-plugged or have been previously plugged and abandoned in such a manner as to ensure that they do not provide an avenue of escape for fluid from the proposed injection zone and in accordance with a program that is satisfactory to the supervisor of the Division's district office at Artesia.

(7) Prior to commencing injection operations, the casing in the subject well should be pressure-tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(8) The injection should be accomplished through 4 1/2-inch plastic lined tubing installed in a packer set at approximately 3300 feet; the casing-tubing annulus should be filled with an inert fluid; and a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

(9) The injection well or system should be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 670 psi.

(10) The Director of the Division should be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected waters from the Delaware formation.

(11) The operator should notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

(12) The operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

(13) Approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, BBC, Inc., is hereby authorized to utilize its Federal "AZ" Well No. 1, located 2080 feet from the South line and 660 feet from the East line (Unit I) of Section 29, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico, to dispose of produced salt water into the Delaware formation, injection to be accomplished through 4 1/2-inch tubing installed in a packer set at approximately 3300 feet, with injection into the perforated interval from approximately 3,350 feet to 3,396 feet and into an open-hole interval from 3,555 feet to 3,700 feet;

PROVIDED HOWEVER THAT, the tubing shall be internally plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

PROVIDED FURTHER THAT: prior to injection operations, the casing in the subject well shall be pressure-tested throughout the interval from the surface down to the proposed packer setting depth of approximately 3300 feet, said pressure test to be performed by the application of a minimum of 300 psi at the surface, to be held for at least 30 minutes. If a pressure drop of more than 10 percent should occur during such test, the casing shall be considered defective and remedial measures taken before injection operations. The Division's Artesia District Supervisor shall be notified of the date and time the aforesaid test will be conducted in order that he or his representative may witness said test.

PROVIDED FURTHER THAT: injection into the Delaware formation through said Federal "AZ" Well No. 1 shall not commence until the following described wells have either been

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Order No. R-7781

re-plugged or are shown to have been adequately plugged and abandoned in a manner that is satisfactory to the supervisor of the Division's district office at Artesia:

<u>WELL NAME AND NO.</u>	<u>FOOTAGE LOCATION</u>
Texas Pacific Coal & Oil Company U.S.A. (New Mexico) "A" Well No. 1	1980' FSL & 660' FEL (Unit P)
Fred Pool Drilling Company Federal "TP" Well No. 1	660' FN & FEL (Unit A)

both in Section 29, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico.

(2) The injection well or system shall be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 670 psi.

(3) The Director of the Division upon proper application may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Delaware formation.

(4) The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity pressure test in order that the same may be witnessed.

(5) The operator shall immediately notify the supervisor of the Division's Artesia district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

(6) The applicant shall conduct disposal operations and submit monthly reports in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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Order No. R-7781

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



R. L. STAMETS,
Director

S E A L

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5613
Order No. R-5143

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

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on January 7, 1976, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 14th day of January, 1976, the Commission, a quorum being present, having considered the testimony, the record and the recommendations of the Examiner, 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 oil pool in Lea County, New Mexico, for the production of oil from the Bone Springs formation, said pool to bear the designation of West Grama Ridge-Bone Springs Pool. Said West Grama Ridge-Bone Springs Pool was discovered by the Southern Union Production Company Barbara Federal Well No. 1, located in Unit I of Section 6, Township 22 South, Range 34 East, NMPM. It was completed in the Bone Springs formation on August 15, 1974. Top of the perforations is at 10,362 feet.

(3) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Strawn formation, said pool to bear the designation of Hay Hollow-Strawn Gas Pool. Said Hay Hollow-Strawn Gas Pool was discovered by the Great Western Drilling Company Hay Hollow-Unit Well No. 1, located in Unit J of Section 11, Township 26 South, Range 27 East, NMPM. It was completed in the Strawn formation on April 1, 1975. Top of the perforations is at 11,611 feet.

(4) That there is need for the creation of a new gas pool in Eddy County, New Mexico, for the production of gas from the Delaware formation, said pool to bear the designation of Ross-

Draw-Delaware Gas Pool. Said Ross-Draw-Delaware Gas Pool was discovered by the J. C. Williamson Ross Draw Unit Well No. 1, located in Unit N of Section 27, Township 26 South, Range 30 East, NMPM. It was completed in the Delaware formation on March 27, 1974. Top of the perforations is at 3,444 feet.

(5) That there is need for the creation of a new oil pool in Chaves County, New Mexico, for the production of oil from the San Andres formation, said pool to bear the designation of Sulimar-San Andres Pool. Said Sulimar-San Andres Pool was discovered by the McClellan Oil Corporation Lisa A Federal Well No. 1Y, located in Unit K of Section 13, Township 15 South, Range 29 East, NMPM. It was completed in the San Andres formation on April 25, 1975. Top of the perforations is at 3,290 feet.

(6) That there is need for the extension of the vertical limits of the Legg-Morrow Gas Pool in Lea County, New Mexico, to include the Atoka formation, and redesignate said Legg-Morrow Gas Pool as the Legg Atoka-Morrow Gas Pool.

(7) That there is need for certain extensions to the Bar-U-Pennsylvanian Pool, the Chaveroo-San Andres Pool, the East Chisum-San Andres Pool, and the South Lucky Lake-Queen Pool, all in Chaves County, New Mexico; the North Burton Flat-Wolfcamp Pool, and the Pecos-Delaware Pool, both in Eddy County; New Mexico; the Antelope Ridge-Morrow Gas Pool, the High Plains-Pennsylvanian Pool, the Jalmat Gas Pool, the North Vacuum-Abo Pool, and the Vacuum-Queen Gas Pool, all in Lea County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 22 SOUTH, RANGE 34 EAST, NMPM
Section 6: SE/4

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

TOWNSHIP 26 SOUTH, RANGE 27 EAST, NMPM
Section 11: E/2

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

TOWNSHIP 26 SOUTH, RANGE 30 EAST, NMPM
Section 27: W/2
Section 34: NW/4

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

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM
Section 13: SW/4

(e) That the vertical limits of the Legg-Morrow Gas Pool in Lea County, New Mexico, are hereby extended to include the Atoka formation and said Legg-Morrow Gas Pool is hereby redesignated the Legg Atoka-Morrow Gas Pool.

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

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 26: S/2
Section 35: N/2

(g) That the Bar-U-Pennsylvanian Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM
Section 31: S/2

(h) That the North Burton Flat-Wolfcamp Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM
Section 19: S/2
Section 30: W/2

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

TOWNSHIP 8 SOUTH, RANGE 33 EAST, NMPM
Section 17: NW/4
Section 18: N/2

(j) That the East Chisum-San Andres Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 28 EAST, NMPM
Section 9: E/2 SE/4 and S/2 SW/4

(k) That the High Plains-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, is

hereby extended to include therein:

TOWNSHIP 14 SOUTH, RANGE 34 EAST, NMPM
Section 26: SW/4

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

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM
Section 2: NW/4

(m) That the South Lucky Lake-Queen Pool in Chaves County, New Mexico, as heretofore classified, defined and described, is hereby extended to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM
Section 22: W/2 NW/4

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

TOWNSHIP 26 SOUTH, RANGE 29 EAST, NMPM
Section 27: SW/4 NE/4 and W/2 SE/4

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

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM
Section 6: SW/4

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

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
Section 11: NW/4

IT IS FURTHER ORDERED:

(1) That, pursuant to Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, any well which, by virtue of any of the above pool extensions, is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Commission. Pending such compliance, the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for

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Case No. 5613
Order No. R-5143

the pool. Failure to file Forms C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Commission within said 60-day period shall subject the well to cancellation of allowable.

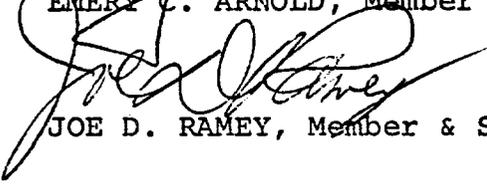
(2) That the effective date of this order and all creations and extensions included herein shall be February 1, 1976.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

PHIL R. LUCERO, Chairman


EMERY C. ARNOLD, Member


JOE D. RAMEY, Member & Secretary

S E A L

jr/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 8223
Order No. R-7555

THE APPLICATION OF THE OIL CONSERVATION
DIVISION UPON ITS OWN MOTION FOR AN
ORDER CREATING, REDESIGNATING, AND
EXTENDING VERTICAL AND HORIZONTAL
LIMITS OF CERTAIN EXISTING POOLS IN
CHAVES AND EDDY COUNTIES, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8 a.m. on June 6, 1984, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 14th day of June, 1984, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation of Northwest Fenton-Delaware Pool. Said Northwest Fenton-Delaware Pool was discovered by the Ammex Petroleum, Inc. Big Eddy Unit Well No. 98 located in Unit F of Section 7, Township 21 South, Range 28 East, NMPM. It was completed in the Delaware formation on March 20, 1984. The top of the perforations is at 2,942 feet.

(3) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Strawn formation, said pool to bear the designation of West Four Mile-Strawn Gas Pool. Said West Four Mile-Strawn Gas Pool was discovered by the Chama Petroleum Company Crusader Rabbit Well No. 1 located in Unit C of Section 8, Township

19 South, Range 26 East, NMPM. It was completed in the Strawn formation on March 29, 1984. The top of the perforations is at 8,257 feet.

(4) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Atoka formation, said pool to bear the designation of Southeast Loving-Atoka Gas Pool. Said Southeast Loving-Atoka Gas Pool was discovered by the HNG Oil Company Loving 36 State Well No. 1 located in Unit N of Section 36, Township 23 South, Range 27 East, NMPM. It was completed in the Atoka formation on March 1, 1983. The top of the perforations is at 11,409 feet.

* (5) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation of Ross Draw-Delaware Pool. Said Ross Draw-Delaware Pool was discovered by the J. C. Williamson Ross Draw Unit Well No. 2 located in Unit C of Section 34, Township 26 South, Range 30 East, NMPM. It was completed in the Delaware formation on March 6, 1984. The top of the perforations is at 3,816 feet.

(6) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Cherry Canyon formation, said pool to bear the designation of West Ross Draw-Delaware Pool. Said West Ross Draw-Delaware Pool was discovered by the J. C. Williamson Abby Federal Well No. 1 located in Unit P of Section 28, Township 26 South, Range 30 East, NMPM. It was completed in the Cherry Canyon formation on January 3, 1983. The top of the perforations is at 4,888 feet.

(7) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Delaware formation, said pool to bear the designation of Tecolote Peak-Delaware Gas Pool. Said Tecolote Peak-Delaware Gas Pool was discovered by the Ray Haskins Aminoil State Well No. 1 located in Unit C of Section 22, Township 26 South, Range 28 East, NMPM. It was completed in the Delaware formation on April 15, 1983. The top of the perforations is at 3,026 feet.

(8) That there is need for the redesignation of the East Atoka Atoka-Morrow Gas Pool in Eddy County, New Mexico, as the Red Lake Atoka-Morrow Gas Pool.

(9) That there is need for the extension of the vertical limits of the West Atoka-Cisco Gas Pool in Eddy County, New Mexico, to include the Canyon formation and the redesignation of said pool as the West Atoka-Upper Pennsylvanian Gas Pool.

(10) That there is need for certain extensions to the East Avalon-Bone Spring Pool, the Boyd-Morrow Gas Pool, the Esperanza-Delaware Pool, the Herradura Bend-Delaware Pool, the South Loco Hills Queen-Grayburg-San Andres Pool, the Malaga-Atoka Gas Pool, the East Millman Queen-Grayburg Pool, the Red Lake Queen-Grayburg-San Andres Pool, the Seven Rivers-Yeso Pool, and the North Square Lake Grayburg-San Andres Pool, all in Eddy County, New Mexico, and the Sams Ranch-Grayburg Gas Pool in Chaves County, New Mexico.

IT IS THEREFORE ORDERED:

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

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 7: NW/4

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

TOWNSHIP 19 SOUTH, RANGE 26 EAST, NMPM
Section 8: N/2

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

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM
Section 36: S/2

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

TOWNSHIP 26 SOUTH, RANGE 30 EAST, NMPM
Section 34: NW/4

(e) That a new pool in Eddy County, New Mexico, classified as an oil pool for Cherry Canyon production is hereby created and designated as the West Ross Draw-Delaware Pool, consisting of the following described area:

TOWNSHIP 26 SOUTH, RANGE 30 EAST, NMPM
Section 28: SE/4

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

TOWNSHIP 26 SOUTH, RANGE 28 EAST, NMPM
Section 22: NW/4

(g) That the East Atoka Atoka-Morrow Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby redesignated as the Red Lake Atoka-Morrow Gas Pool.

(h) That the vertical limits of the West Atoka-Cisco Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, are hereby extended to include the Canyon formation and said pool is redesignated as the West Atoka-Upper Pennsylvanian Gas Pool.

(i) That the East Avalon-Bone Spring Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 28 EAST, NMPM
Section 27: All
Section 34: E/2

TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM
Section 2: Lots 1 through 8

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

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
Section 14: S/2
Section 23: All

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

TOWNSHIP 21 SOUTH, RANGE 27 EAST, NMPM
Section 28: All
Section 33: All

(l) That the Herradura Bend-Delaware Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM
Section 36: N/2

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM
Section 31: W/2

(m) That the South Loco Hills Queen-Grayburg-San Andres Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM
Section 32: SE/4 and S/2 SW/4

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 5: All

(n) That the Malaga-Atoka Gas Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 24 SOUTH, RANGE 28 EAST, NMPM
Sections 1 and 2: All

TOWNSHIP 24 SOUTH, RANGE 29 EAST, NMPM
Section 6: W/2

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

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 18: NE/4

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

TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 13: N/2

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 7: N/2

(q) That the Sams Ranch-Grayburg Gas Pool in Chaves County, New Mexico, as heretofore classified, defined, and described, is hereby extended to include therein:

TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM
Section 12: NW/4

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

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
Section 34: N/2

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

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
Section 11: SE/4 and S/2 SW/4
Section 14: NW/4

IT IS FURTHER ORDERED:

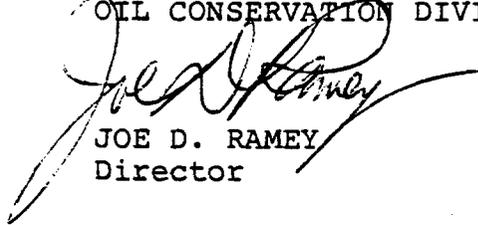
(1) That pursuant to Section 70-2-18, NMSA 1978, contained in Chapter 271, Laws of 1969, any well which by virtue of any of the above pool extensions is subject to pool rules providing for spacing or proration units larger than the one which is presently dedicated thereto, shall have 60 days from the effective date of this order in which to file new Forms C-102 dedicating a standard unit for the pool to said well, or to obtain a non-standard unit approved by the Division. Pending such compliance the well shall receive a maximum allowable in the same proportion to a standard allowable for the pool that the acreage dedicated to the well bears to a standard unit for the pool. Failure to file Form C-102 dedicating a standard unit to the well or to obtain a non-standard unit approved by the Division within said 60-day period shall subject the well to cancellation of the allowable.

(2) That the effective date of this order and all creations, redesignations, and extensions of vertical and horizontal limits included herein shall be July 1, 1984.

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Case No. 8223
Order No. R-7555

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



JOE D. RAMEY
Director

S E A L

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