

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 9232
Order No. R-8541

THE APPLICATION OF SHELL WESTERN
E & P, INC. FOR A WATERFLOOD
PROJECT, LEA COUNTY, NEW MEXICO.

See Also Order Nos.
R-8541-A
R-8541-B

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on September 24, 1987, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 9th day of November, 1987, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and having been 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) Division Cases Nos. 9230, 9231, and 9232 were consolidated at the time of the hearing for the purpose of testimony.

(3) The applicant, Shell Western E & P, Inc. (Shell), seeks authority to institute a waterflood project in its Northeast Drinkard Unit Area by the injection of water into the unitized interval which shall include the oil-bearing portions of the Blinbry, Tubb, and Drinkard formations which extend from an upper limit of 5530 feet (2101 feet sub-sea) to a lower limit of 6680 feet (3251 feet sub-sea), on the log run June 21, 1951 on the Shell Argo Well No. 8 located 660 feet from the South line and 2310 feet from the West line of Section 15, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, through 37 initial injection wells as shown on Exhibit "A" attached to this order.

(4) The proposed initial injection wells are planned conversions of existing producing wells.

(5) The applicant proposes to utilize a five spot injection pattern within the proposed waterflood project.

(6) The producing formations in the proposed project area are in an advanced stage of depletion and the area is suitable for waterflooding.

(7) The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste, and should otherwise protect correlative rights.

(8) The applicant should be required, insofar as is practical, to avoid injection into any gas-bearing zones undergoing primary production within any or all of the three formations and to otherwise restrict injection to the oil-bearing portions of the pool.

(9) Evidence presented at the hearing shows the gas-bearing portions of the Blinebry formation are limited to the upper two producing zones but that gas-bearing portions in the Tubb formation are distinct zones which are separated from the oil-bearing zones by permeability barriers.

(10) Water injection into the several formations comprising the unitized formation can be conducted without endangering the gas reserves and said gas reserves can be recovered concurrently with the enhanced oil recovery project provided adequate precautions are taken.

(11) Said gas wells should continue to be prorated as Blinebry or Tubb, as the case may be, gas wells and receive allowables equal to the wells in said pools as shown on the monthly proration schedules.

(12) In order to prevent loss of recoverable gas reserves, no gas well in the Tubb or Blinebry formations should be entered for recompletion to other use until a suitable replacement well has been completed and connected to the appropriate gas gathering facility.

(13) There are twelve wells, shown on Exhibit "B" attached to this order, which are located within or adjacent to the proposed project which may not have been completed or cemented in such a manner which will assure that their wellbores will not serve as a conduit for movement of injected fluid out of the injection interval.

(14) Prior to initiating injection within one-half mile of any of the wells shown on Exhibit "B", the applicant should be required to perform remedial cement operations on said wells in a manner which will assure that these wellbores will not serve as a conduit for migration of injected fluid to the satisfaction of the supervisor of the Hobbs district office of the Division.

(15) There are also nine wells, shown on Exhibit "C" attached to this order, located within or adjacent to the proposed project which require further investigation in order to determine if they are completed and cemented in such a manner that will assure that their wellbores will not serve as a conduit for movement of injected fluid out of the injection interval.

(16) Prior to initiating injection within one-half mile of any of the wells shown on Exhibit "C", the applicant should be required to present additional calculations, temperature surveys, cement bond logs, or other pertinent information to the supervisor of the Division's district office in Hobbs who, after review of such additional information, may require additional testing, logging, or remedial cement operations to be conducted on the subject wells.

(17) The operator should otherwise 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 from injection, production, or plugged and abandoned wells.

(18) The injection wells or injection pressurization system should be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation in any injection well, but the Division Director should have authority to increase said pressure limitation upon a proper showing that said pressure increase would not result in the fracturing of the injection formation or confining strata.

(19) Prior to initiating injection into any of the injection wells, the applicant should be required to pressure test the casing in each of the proposed injection wells from the surface to the proposed packer-setting depth to assure the integrity of said casing.

(20) Subsequent to the hearing, J. R. Cone, an offset operator to the proposed project who appeared at the hearing, requested that the applicant not be allowed to inject into Wells Nos. 615, 709, and 808 until such time as the applicant files with the Division an approved lease line agreement between Shell and J. R. Cone.

(21) This request is fair and reasonable and should be granted.

(22) The application should be approved and the project should be governed by the provisions of Rules 701 through 708 of the Oil Conservation Division Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Shell Western E & P, Inc., is hereby authorized to institute a waterflood project in the Northeast Drinkard Unit Area (described in Ordering Paragraph No. (2) of Division Order No. R-8540), by the injection of water into the unitized interval which shall include the Blinebry, Tubb, and Drinkard formations which extend from an upper limit of 5530 feet (2101 feet sub-sea) to a lower limit of 6680 feet (3251 feet sub-sea), on the log run June 21, 1951 on the Shell Argo Well No. 8 located 660 feet from the South line and 2310 feet from the West line of Section 15, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, through 37 initial injection wells as shown on Exhibit "A" attached to this order.

(2) The injection wells herein authorized and/or the injection pressurization system shall be so equipped as to limit injection pressure at the wellhead to no more than 0.2 psi per foot of depth from the surface to the top injection perforation, provided however, the Division Director may authorize a higher surface injection pressure upon satisfactory showing that such higher pressure will not result in fracturing of the injection formation or confining strata.

(3) Injection into each of said wells shall be through plastic or cement-lined tubing set in a packer which shall be located as near as practicable to the uppermost perforations, or, in the case of open hole completions, as near as practicable to the casing-shoe; the casing-tubing annulus shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak-detection device.

(4) Prior to initiating injection within one-half mile of any of the wells shown on Exhibit "B" attached to this order, the applicant shall perform remedial cement operations on said wells shown on Exhibit "B" in a manner which will assure that these wellbores will not serve as a conduit for migration of injected fluid to the satisfaction of the supervisor of the Hobbs district office of the Division.

(5) Prior to initiating injection within one-half mile of any of the wells shown on Exhibit "C" attached to this order, the applicant shall present additional calculations, temperature surveys, cement bond logs, or other pertinent information to the supervisor of the Division's district office in Hobbs who, after review of such additional information, may require additional testing, logging, or remedial cement operations to be conducted on the subject wells.

(6) Prior to initiating injection into any of the injection wells shown on Exhibit "A", the applicant shall pressure-test the casing in each of the proposed injection wells from the surface to the proposed packer setting depth to assure the integrity of said casing.

(7) The applicant shall notify the supervisor of the Hobbs district office of the Division prior to performing any remedial cement operations on the wells shown on Exhibit "B" or Exhibit "C" or prior to conducting any casing pressure-test on any injection well shown on Exhibit "A".

(8) The applicant shall, insofar as is practical, avoid injection into any gas-bearing zones undergoing primary production within any or all of the three formations and otherwise restrict injection to the oil-bearing portions of the pool.

(9) No gas well in the Blinebry or Tubb formation shall be entered for recompletion for other use until a suitable replacement well has been completed and connected to the appropriate gas gathering facility.

(10) The applicant shall immediately notify the supervisor of the Hobbs district office of the Division of the failure of the tubing or packer in any of the injection wells, the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area, and shall take such timely steps as may be necessary or required to correct such failure or leakage.

(11) The authorized subject waterflood is hereby designated the Northeast Drinkard Unit Waterflood Project and shall be governed by the provisions of Rules 701 through 708 of the Division Rules and Regulations.

(12) Injection into Unit Well Nos. 615, 709, and 808 shall not commence until such time that the applicant files with the Division a signed lease line agreement between Shell and J. R. Cone.

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Case No. 9232
Order No. R-8541

(13) Monthly progress reports of the waterflood project herein authorized shall be submitted to the Division in accordance with Rules 704 and 1120 of the Division Rules and Regulations.

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

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

EXHIBIT "A"
CASE NO. 9232
ORDER NO. R-8541
NORTHEAST DRINKARD UNIT (NEDU)
UNIT INJECTION WELLS

<u>WELL</u>	<u>UNIT WELL DESIGNATION</u>	<u>LOCATION (ALL IN T-21S, R-37E)</u>
<u>SECTION 2:</u>		
Meridian Oil State "2" No. 6	114	906 FNL, 660 FWL, Unit D
Meridian Oil State "2" No. 2	115	1896 FNL, 660 FWL, Unit E
Chevron Leonard No. 10	121	2220 FNL, 2307 FEL, Unit G
Meridian Oil State "2" No. 1	214	3300 FSL, 660 FWL, Unit M
Shell Western State "2" No. 16	218	3546 FNL, 1700 FWL, Unit K
Chevron Leonard No. 6	221	2983 FSL, 2317 FEL, Unit O
Shell Western State "2" No. 9	315	1980 FSL, 1880 FWL, Unit S
<u>SECTION 3:</u>		
Shell Western Taylor Glenn No. 11	105	2080 FNL, 660 FWL, Unit E
Conoco Hawk B-3 No. 15	109	660 FNL, 1980 FEL, Unit B
Conoco Hawk B-3 No. 24	111	2232 FNL, 2310 FEL, Unit H
Shell Western Livingston No. 11	205	3300 FSL, 660 FWL, Unit M
Shell Western Taylor Glenn No. 1	206	3226 FNL, 1980 FWL, Unit K
Conoco Hawk B-3 No. 2	209	3150 FSL, 1650 FEL, Unit O
Shell Western Taylor Glenn No. 2	211	4620 FSL, 660 FEL, Unit I
Shell Western Livingston No. 1	303	1980 FSL, 1980 FWL, Unit S
Shell Western Livingston No. 2	307	660 FSL, 1980 FEL, Unit W
Conoco Hawk B-3 No. 7	309	1830 FSL, 660 FEL, Unit Q

SECTION 10

Conoco Hawk B-10 No. 10	403	460 FNL, 1980 FWL, Unit C
Conoco Hawk B-10 No. 8	407	1980 FNL, 2310 FEL, Unit G
Exxon NM "V" State No. 11	503	2080 FSL, 2080 FWL, Unit K
Exxon NM "V" State No. 3	506	660 FSL, 1980 FEL, Unit O

SECTION 11

Conoco Nolan No. 1	511	660 FSL, 660 FWL, Unit E
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SECTION 14

Bravo Energy Eva Owen No. 1	615	1980 FNL, 660 FWL, Unit E
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SECTION 15

Texaco State "S" No. 6	605	760 FNL, 1980 FWL, Unit C
Shell Western State "15" No. 3	610	2210 FNL, 2310 FEL, Unit G
Texaco State "S" No. 8	612	660 FNL, 660 FEL, Unit A
Shell Western Argo No. 3	703	1980 FSL, 1980 FWL, Unit K
Marathon Warlick No. 2	708	660 FSL, 1980 FEL, Unit O
Marathon Warlick No. 4	709	1980 FSL, 660 FEL, Unit I

SECTION 22

Shell Western Argo "A" No. 3	803	660 FNL, 1980 FWL, Unit C
Chevron Eubank No. 8	807	1750 FNL, 2310 FEL, Unit G
Chevron Eubank No. 2	808	660 FNL, 660 FEL, Unit A
Shell Western Turner No. 12	904	2065 FSL, 1700 FWL, Unit K
Shell Western Turner No. 5	909	1980 FSL, 660 FEL, Unit I

SECTION 23

Texaco Williamson No. 2 Arco	811	1980 FNL, 660 FWL, Unit E
Barton No. 4 Arco	815	1750 FNL, 1980 FEL, Unit G
Sarkeys No. 1	915	1980 FSL, 1980 FEL, Unit J

EXHIBIT "B"
CASE NO. 9232
ORDER NO. R-8541

<u>OPERATOR, WELL NAME, AND NUMBER</u>	<u>LOCATION</u>
Leonard Oil Elliot Federal No. 1	1659 FSL & 330 FWL Section 1, T-21S, R-37E
Stanolind Southland Royalty "C" No. 5	1980 FSL & 660 FEL Section 4, T-21S, R-37E
Conoco Inc. Hawk B-10 Federal No. 3	1980 FNL & 1980 FEL Section 10, T-21S, R-37E
Cities Service States No. 4	3390 FSL & 4520 FEL Section 15, T-21S, R-37E
Tidewater Oil State "S" No. 7	600 FNL & 990 FWL Section 15, T-21S, R-37E
Cities Service State "S" No. 6	2310 FNL & 990 FWL Section 15, T-21S, R-37E
Cities Service State "S" No. 3	3375 FSL & 3225 FEL Section 15, T-21S, R-37E
Gulf Oil Corporation Leonard "E" No. 5	2310 FNL & 330 FEL Section 16, T-21S, R-37E
Mid-Continent Petroleum State "15" No. 5	330 FSL & 330 FEL Section 16, T-21S, R-37E
Sunray Oil Elliott Federal "A" No. 3	980 FNL & 330 FEL Section 21, T-21S, R-37E
Sunray Oil Elliott Federal "A" No. 4	2030 FNL & 330 FEL Section 21, T-21S, R-37E
Gulf Oil Corporation Eubank "C" No. 8	1750 FNL & 2310 FEL Section 22, T-21S, R-37E

EXHIBIT "C"
CASE NO. 9232
ORDER NO. R-8541

<u>OPERATOR, WELL NAME, AND NUMBER</u>	<u>LOCATION</u>
Gulf Oil Corporation Harry Leonard "E" No. 6	1980 FSL & 1980 FEL Section 2, T-21S, R-37E
Shell Western E & P State "2" No. 20	990 FSL & 2300 FWL Section 2, T-21S, R-37E
Shell Western E & P State "2" No. 21	2205 FSL & 988 FWL Section 2, T-21S, R-37E
Shell Western E & P Livingston No. 3	560 FSL & 2030 FEL Section 3, T-21S, R-37E
Shell Western E & P Livingston No. 5	660 FSL & 330 FWL Section 3, T-21S, R-37E
Aztec Dauron No. 3	330 FNL & 990 FEL Section 10, T-21S, R-37E
Humble NM State "V" No. 11	2080 FSL & 2080 FWL Section 10, T-21S, R-37E
Tidewater Oil State "S" No. 6	760 FNL & 1980 FWL Section 15, T-21S, R-37E
Conoco Inc. Lockhart A-27 No. 3	330 FNL & 1650 FWL Section 27, T-21S, R-37E

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

CASE NO. 9232
Order No. R-8541-A

APPLICATION OF SHELL WESTERN
E & P, INC. FOR A WATERFLOOD
PROJECT, LEA COUNTY, NEW MEXICO.

NUNC PRO TUNC ORDER

BY THE DIVISION:

It appearing to the Division that Order No. R-8541,
dated November 9, 1987, does not correctly state the
intended order of the Division;

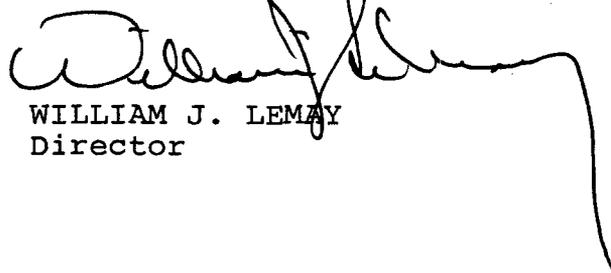
IT IS THEREFORE ORDERED THAT:

(1) The reference to the Chevron Eubank Well No. 8,
described as being located 1750 feet from the North line
and 2310 feet from the East line (Unit G) of Section 22,
Township 21 South, Range 37 East, NMPM, Lea County, New
Mexico, on page 2 of Exhibit "A" in Division Order No.
R-8541 is hereby amended to read "Chevron Eubank Well
No. 3 located 1980 feet from the North line and 2080 feet
from the East line (Unit G) of said Section 22."

(2) The corrections set forth in this order be entered
nunc pro tunc as of November 9, 1987.

DONE at Santa Fe, New Mexico, on this 11th day of
October, 1988.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

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STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 10052
Order Nos. R-8539-A
R-8541-B

APPLICATION OF SHELL WESTERN E & P
INC. FOR AMENDMENT OF DIVISION ORDER
NOS. R-8539 AND R-8541, AS AMENDED,
LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on August 22, 1990, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 24th day of September, 1990, 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) By Order No. R-8539 dated November 9, 1987, issued in Case No. 9230 upon application of Shell Western E & P Inc., the Division created and defined the North Eunice Blinebry-Tubb-Drinkard Oil and Gas Pool for the purpose of conducting secondary recovery operations, and further promulgated Temporary Special Rules and Regulations including provisions whereby Blinebry and Tubb gas wells would be separately classified and produced in accordance with the Rules and Regulations for the Prorated Gas Pools of New Mexico as promulgated by Division Order No. R-8170, as amended.

CASE NO. 10052
Order Nos. R-8539-A
R-8541-B

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(3) By Order No. R-8541, as amended, dated November 9, 1987, issued in Case No. 9232, the Division authorized Shell Western E & P Inc. to institute a waterflood project on its Northeast Drinkard Unit within said North Eunice Blinebry-Tubb-Drinkard Oil and Gas Pool.

(4) The applicant, Shell Western E & P Inc., seeks to delete Rule Nos. 4 through 10 of the Special Rules and Regulations for the North Eunice Blinebry-Tubb-Drinkard Oil and Gas Pool, which rules pertain to Blinebry and Tubb gas well classification and production.

(5) In addition, the applicant seeks to delete Rule Nos. 11 and 12, which rules established a limiting gas-oil ratio of 6,000 cubic feet of gas per barrel of oil and oil and gas allowables in accordance with Division General Rule Nos. 701 (F)(3), 503, 505, and 506.

(6) The applicant further seeks to amend Division Order No. R-8541, as amended, by eliminating Ordering Paragraph Nos. (8) and (9) which prohibit injection into gas bearing zones, and which provide that an adequate number of wells be utilized for Blinebry and Tubb gas production.

(7) In addition, pursuant to the provisions of Division Order No. R-8539, the applicant is prepared (via Case No. 10052 in lieu of reopening Case No. 9230) to present evidence and testimony to show cause why the Temporary Rules and Regulations for the subject pool should not be rescinded.

(8) Rule Nos. 4 through 10 and Ordering Paragraph Nos. (8) and (9) as described above, were incorporated into said Order Nos. R-8539 and R-8541, respectively, in order to protect and provide a means by which remaining gas cap reserves within the Blinebry and Tubb formations could be recovered and to further ensure that these gas cap reserves would not be watered out during coexistent waterflood operations.

(9) Rule Nos. 11 and 12 were incorporated into said Order No. R-8539 in order to allow more efficient and complete production of primary reserves within the pool during the interim period prior to commencement of injection operations.

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Order Nos. R-8539-A
R-8541-B

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(10) Subsequent to the issuance of Order Nos. R-8539 and R-8541, as amended, the applicant has obtained extensive additional reservoir data which now indicates that the gas caps which may have existed in this reservoir are now largely depleted.

(11) The evidence presented by the applicant indicates that approximately 95 percent of the gas currently being produced within the subject unit is produced from the depleted oil column and approximately 5 percent is being produced from remaining Blinebry and Tubb gas caps.

(12) According to further evidence it is currently uneconomic for the applicant to drill or recomplete wells to produce any remaining gas cap reserves due to the marginal gas production encountered in such wells.

(13) The applicant has demonstrated that the ultimate gas recovery within the unit (approximately 54.7 BCF-1987 forecast) will not be reduced by approval of the subject application.

(14) The applicant has further demonstrated that failure to waterflood depleted gas caps in the reservoir could decrease ultimate oil recovery because of the possibility that oil reserves will be displaced into depleted gas caps and not be recoverable in the future.

(15) The applicant intends, according to testimony, to continue producing these marginal Blinebry and Tubb gas wells until such time as they are depleted or until such time as mechanical failures force the abandonment of such wells.

(16) In order to prevent the drilling of unnecessary wells, promote effective and efficient secondary recovery operations, and to otherwise prevent waste and protect correlative rights, Rule Nos. 4 through 10, 11, and 12 of the Special Rules and Regulations for the North Eunice Blinebry-Tubb Drinkard Oil and Gas Pool and Ordering Paragraph Nos. (8) and (9) of Division Order No. R-8541, as amended, should be rescinded.

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(17) The evidence and testimony by the applicant further indicates that the pool rules currently in effect, with the exception of those described in Finding No. (16) above, are effective in promoting orderly development of secondary reserves within the subject pool, and should therefore be made permanent.

(18) The subject pool should be redesignated the North Eunice Blinebry-Tubb-Drinkard Pool.

(19) In order to protect the correlative rights of those operators who may be producing gas from the Blinebry and Tubb zones outside the boundary of the North Eunice Blinebry-Tubb-Drinkard Pool, the applicant should be required to notify such affected offset operators in the event the applicant intends to:

- a) Add perforations to any well currently producing from the gas bearing portion of the Blinebry and/or Tubb formation.
- b) Perforate the gas bearing portion of the Blinebry and/or Tubb formation in any currently authorized or subsequently approved injection well.

(20) In accordance with Division General Rule No. 701 (F)(3), the Northeast Drinkard Unit Waterflood Project should be assigned an oil and gas allowable equal to the project's ability to produce.

(21) The amended Rules and Regulations for the North Eunice Blinebry-Tubb-Drinkard Pool should remain in effect until further order of the Division.

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IT IS THEREFORE ORDERED THAT:

(1) The North Eunice Blinebry-Tubb-Drinkard Oil and Gas Pool, heretofore created and defined by Division Order No. R-8539, Lea County, New Mexico, is hereby redesignated the North Eunice Blinebry-Tubb-Drinkard Pool.

(2) The Special Rules and Regulations for the North Eunice Blinebry-Tubb-Drinkard Pool, as originally promulgated by Division Order No. R-8539 are hereby superseded by the following:

**SPECIAL RULES AND REGULATIONS FOR THE
NORTH EUNICE BLINEBRY-TUBB-DRINKARD POOL**

- RULE 1.** Each well completed or recompleted in the North Eunice Blinebry-Tubb-Drinkard Pool or in the Blinebry, Tubb, or Drinkard formation within the designated vertical and horizontal pool boundaries shall be spaced, drilled, operated, and produced in accordance with the Special Rules and Regulations hereinafter set forth.
- RULE 2.** A producing oil well within the North Eunice Blinebry-Tubb-Drinkard Pool shall have dedicated to it a tract consisting of 40 acres comprised of a governmental quarter-quarter section or lot and shall be located no closer than 330 feet to any outer boundary of such tract.
- RULE 3.** The Division Director shall have authority to grant exceptions to the well location requirements of Rule 2 in accordance with the terms and provisions of General Rule 104 (F), and provided the requirements contained in said rule are complied with.

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Order Nos. R-8539-A
R-8541-B

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RULE 4. The operator shall consult with the Division's Hobbs district office for procedures to be used for obtaining approval of well conversions, recompletions, abandonment of zones, etc., and for production reporting within the pool.

RULE 5. The supervisor of the Hobbs district office of the Division may grant requests to add perforations to any well currently producing from the gas bearing portion of the Blinebry and/or Tubb formation provided that the applicant includes proof that all affected offset operators have been notified of such requests and that no objections have been received by the Division within 20 days of such notification.

RULE 6. The Division Director may grant requests to perforate the gas bearing portion of the Blinebry and/or Tubb formations in any currently authorized or subsequently approved injection well provided that all affected offset operators have been notified of such requests and that no objections have been received by the Division within 20 days of such notification.

(3) Ordering Paragraph Nos. (8) and (9) of Division Order No. R-8541, as amended, are hereby deleted.

(4) In accordance with Division General Rule No. 701 (F)(3), the Northeast Drinkard Unit Waterflood Project shall be assigned an oil and gas allowable equal to the project's ability to produce.

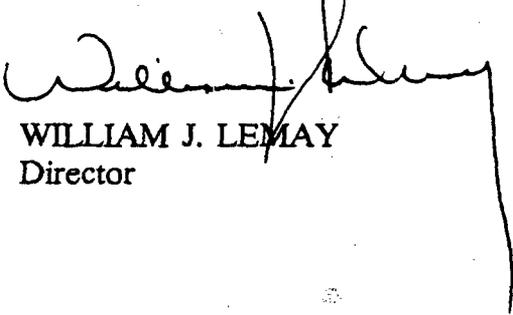
(5) All other provisions contained within Division Order Nos. R-8539 and R-8541, as amended, shall remain in full force and effect.

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

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Order Nos. R-8539-A
R-8541-B
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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L