

**STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION**

CASE NO. 15957

IN THE MATTER OF THE:

**APPLICATION OF THE NEW MEXICO OIL CONSERVATION DIVISION TO
AMEND RULES OF THE COMMISSION CONCERNING THE DRILLING, SPACING,
AND OPERATION OF HORIZONTAL WELLS AND RELATED MATTERS BY
AMENDING VARIOUS SECTIONS OF RULES 19.15.2, 19.15.4, 19.15.14, 19.15.15, AND
19.15.16 NMAC; STATEWIDE.**

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**OIL CONSERVATION DIVISION'S
PRE-HEARING STATEMENT**

The Oil Conservation Division through its counsel files the following Pre-hearing Statement.

PARTIES AND ATTORNEYS

Oil Conservation Division

Cheryl L. Bada
Deputy General Counsel
Energy, Minerals and Natural Resources
Department
1220 S. St. Francis Drive
Santa Fe, NM 87505

New Mexico Oil & Gas Association

Michael Feldewert
P.O. Box 2208
Santa Fe, New Mexico 87504-2208
mfeldewert@hollandhart.com

Marathon Oil Permian LLC
5555 San Felipe St.
Houston, TX 77056

Earl E. DeBrine, Jr.
Jennifer L. Bradfute
Post Office Box 2168
Bank of America Centre
500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
jlb@modrall.com; eed@modrall.com

Jalapeno Corporation
PO Box 1608
Albuquerque, NM 87103

Michael J. Condon
460 St. Michael's Drive, Bldg. 300
Santa Fe, New Mexico 87505

STATEMENT OF THE CASE

The Oil Conservation Division (Division) filed an application on January 3, 2018, proposing amendments to the rules concerning the drilling, spacing, and operation of horizontal wells, and related matters, by amending various sections of rules 19.15.2, 19.15.4, 19.15.15, and 19.15.16 NMAC. The purpose of the proposed amendments is to adapt the spacing and setback requirements for horizontal wells to the unique nature of the wells, to maximize the wells' efficiency by eliminating unnecessary restrictions on production, and to clarify matters that are uncertain in the existing rules.

WITNESSES

David K. Brooks, Assistant General Counsel, Energy, Minerals and Natural Resources Department

Qualifications and Experience:

Mr. Brooks has been Assistant General Counsel for the Energy, Minerals and Natural Resources Department since January 18, 2016. He previously served in the same capacity from May 21, 2001 to December 31, 2013. He has worked chiefly with the Oil Conservation Division.

Mr. Brooks is an attorney at law licensed to practice in Texas, New Mexico, and Colorado. He received a B.A. degree in Economics from the University of Texas at Austin in 1969 and a J.D., *magna cum laude*, from the same institution in 1973. He served as law clerk for Hon. Joe R. Greenhill, Chief Justice of the Texas Supreme Court, and practiced law with the Midland, Texas firm of Stubbeman, McRae, Sealy, Laughlin & Browder, and the Dallas, Texas firms of Akin, Gump, Strauss, Hauer & Feld, and Geary Stahl & Spencer, concentrating in oil and gas and land title matters. In 1986, Mr. Brooks was elected a judge of the District Court of Dallas County, Texas, where he served for twelve years.

Mr. Brooks has extensive experience drafting and interpreting Oil Conservation Commission rules. He served on work groups that developed the following parts of the rules:

19.15.4 NMAC	Adjudicatory Proceedings
19.15.11 NMAC	Hydrogen Sulfide Gas
19.15.12.10 NMAC	Surface Commingling
19.15.13 NMAC	Compulsory Pooling
19.15.16.15 NMAC	Special Rules for Horizontal Wells
19.15.17 NMAC	Pits, Closed-Loop Systems and Below Grade Tanks
19.15.36 NMAC	Surface Waste Management Facilities

Statement of Testimony:

Mr. Brooks was co-chair of a work-group appointed by the Division Director to formulate and draft amendments that would address stakeholder concerns about the existing rules governing horizontal wells. The work group developed the amendments now proposed. Mr. Brooks will describe the work group process and explain the proposed rule amendments, including a non-technical description of the reasons for, and intended effects of, the proposed changes, as follows:

Revision of 19.15.2.7 NMAC – General Definitions. The Division proposes to amend 19.15.2.7 NMAC to add a new definition of “affected persons” and to amend the definitions of “mineral interest owners”, “royalty interest owner”, and “proration unit”. The revised definition of “proration unit” removes the provision that every spacing unit is also a proration unit, as this would not necessarily apply to horizontal spacing units established pursuant to proposed 19.15.16 NMAC.

Revision of 19.15.4.12 NMAC – Notice Requirements. The Division proposes to amend 19.15.4.12 NMAC to clarify the notice requirements for applications for non-standard well locations (NSL applications) and non-standard spacing or proration units (NSP applications). The requirement for notification of an NSP application to all owners of the mineral estate in a tract omitted from the proposed non-standard unit will continue to apply to non-standard conventional spacing units, but will not be extended to non-standard horizontal spacing units, because the approval of a non-standard horizontal spacing unit will not preclude the drilling of a well on an excluded tract.

In addition, the Division proposes revision of the rule regarding presentation of compulsory pooling applications by affidavit to remove the limitation of the size of spacing units that can be so pooled, so that the simplified procedure can be used for compulsory pooling horizontal spacing units.

Revision of 19.15.14 and 19.15.15 NMAC. The Division proposes amendments to these parts to conform cross-references to proposed revisions of 19.15.16 NMAC.

19.15.16 NMAC – Drilling and Production. The Division proposes to amend 19.15.16 NMAC to comprehensively revise the requirements for horizontal wells. Changes include adding definitions of “first take point” and “last take point”, “infill horizontal well”, “multi-lateral well”, and “unitized area”, and repealing definitions of “penetration point”, “producing area”, “project area”, and “standard project area”. In addition, 19.15.16.14 NMAC (Vertical, Deviated and Directional Wells) will be amended to provide for distinct rules for “directional”, as opposed to “horizontal”, wells. The rules for directional wells will not be significantly changed but will no longer apply to horizontal wells. 19.15.16.15 NMAC (Special Rules for Horizontal Wells) will be amended to collect in a single section those rules that apply to horizontal wells and include proposed revisions to comprehensively regulate such wells. Conforming changes are proposed to 19.16.15.20 NMAC.

Mr. Brooks’ testimony is expected to last approximately two hours!

EXHIBITS

1. Certificate of Compliance with Notice Requirements from Florene Davidson
2. Proposed Amendments
3. Directional Well Versus Horizontal Well
4. Definitions Regarding Horizontal Wells
- 5A. New Notice Rule for Non-standard Locations Example 1
- 5B. New Notice Rule for Non-standard Locations Example 2
- 5C. New Notice Rule for Non-standard Locations Example 3
- 6A. Standard Project Areas Under Current Rule: 40-acre spacing unit with wells parallel section lines
- 6B. Standard Project Areas Under Current Rule: 80-acre spacing unit with wells parallel to section lines
- 6C. Standard Project Areas Under Current rule: 160-acre spacing unit with wells parallel to section lines: 80-acre spacing unit with wells parallel to section lines
- 7A. From “Project Areas” to “Horizontal Spacing Units”: 40-acre spacing unit with wells parallel to section lines
- 7B. From “Project Areas” to “Horizontal Spacing Units”: 80-acre unit with wells parallel to section lines
- 7C. From “Project Areas” to “Horizontal Spacing Units”: 160-acre spacing unit with wells parallel to section lines
8. Infill Horizontal Wells Under Proposed Rules
9. Revised C-101
10. Revised C-102

Copies of Exhibits 1 through 10 are attached.

PROCEDURAL MATTERS

The Division’s counsel knows of no procedural matters that the Commission needs to address.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Cheryl L. Bada", written over a horizontal line.

Cheryl L. Bada
Oil Conservation Division
Energy Minerals and Natural
Resources Department
1220 S. St. Francis Drive
Santa Fe, NM 87505
(505) 476-3214
Fax: (505) 476-3220
Email: cheryl.bada@state.nm.us
Attorney for the Oil Conservation Division

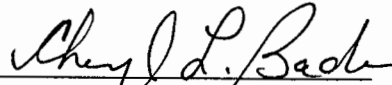
Certificate of Service

I hereby certify that the Oil Conservation Division's Pre-Hearing Statement was served by e-mail on April 3, 2018.

Michael Feldewert
P.O. Box 208
Santa Fe, NM 87504-22008
mfeldewert@hollandhart.com
Counsel for New Mexico Oil and Gas Association

Earl E. DeBrine, Jr.
Jennifer L. Bradfute
Post Office Box 2168
Bank of America Centre
500 Fourth Street NW, Suite 1000
Albuquerque, New Mexico 87103-2168
jlb@modrall.com; eed@modrall.com
Counsel for Marathon Oil Permian LLC

Michael J. Condon
460 St. Michael's Drive, Bldg. 300
Santa Fe, New Mexico 87505
jeg@gallegoslawfirm.net
mjc@gallegoslawfirm.net
Counsel for Jalapeno Corporation



Cheryl L. Bada

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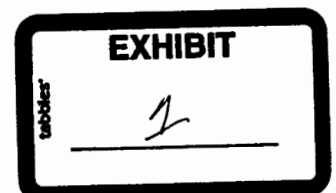
CERTIFICATE OF COMPLIANCE WITH NOTICE REQUIREMENTS

As Clerk to the New Mexico Oil Conservation Commission, I hereby certify that notice of this matter has been provided as follows:

- 1. The Notice of Proposed Rulemaking for this Case ("Notice") was sent to the State Records Center and Archives and was published in the New Mexico Register on February 27, 2018. (Attachment A)**
- 2. A copy of the Notice was sent to the Albuquerque Journal and was published on March 15, 2018. (Attachment B)**
- 3. On February 27, 2018, a copy of the Notice was posted on the Oil Conservation Division website and remained posted through the date of the public hearing.**
- 4. On March 5, 2018, a copy of the Notice was sent to the Oil Conservation Division field offices in Hobbs, Artesia, and Aztec to be available to the public.**
- 5. By March 19, 2018, a copy of the Notice had been mailed or e-mailed to all persons on the Commission mailing list for rulemakings.**
- 6. On March 12, 2018, a copy of the Notice was e-mailed to the New Mexico Legislative Council for distribution to committees.**
- 7. On March 1, 2018, a copy of the Notice was posted to the New Mexico Department of Information Technology's Sunshine Portal.**

NEW MEXICO OIL CONSERVATION COMMISSION

Florene Davidson
Florene Davidson, Commission Clerk



Notices of Rulemaking and Proposed Rules

CULTURAL AFFAIRS, DEPARTMENT OF

NOTICE OF PROPOSED RULEMAKING

NOTICE IS HEREBY GIVEN that the Museum of New Mexico Board of Regents (BOR) and the Department of Cultural Affairs (DCA) are proposing to repeal 4.51.57 NMAC, which governs the portal artisans program of the New Mexico Palace of the Governors State History Museum (POG/NMHM), and replace it with a new 4.51.57 NMAC. In summary, 4.51.57 NMAC contains provisions on the location of the portal program; participant qualifications and program operations; vending rules; annual meeting requirements; responsibilities of portal committee; POG/NMHM's administration of the program; and the authenticity and quality of products offered for sale in the program. The BOR/DCA propose to repeal 4.51.57 NMAC because the current rule is disorganized; needs clarification; contains redundant, outdated, and unnecessary provisions; and lacks definitions and detail on the application process, committee structure, committee meetings, committee member elections, duty officer responsibilities, and rule enforcement.

The purpose of the proposed new rule is to clarify, supplement, and update 4.51.57 NMAC in order to enhance the program and the NMHM/POG's ability to effectively, fairly and lawfully administer the program. In summary, the proposed replacement rule 4.51.57 NMAC defines key terms; sets forth the portal coordinator's administrative responsibilities; establishes requirements for the application and demonstration process and participant qualifications consistent with law; establishes rules on the selection, structure, and responsibilities of the portal committee and removal of its members; establishes procedures for conducting annual, committee

and special meetings; governs daily operations of the program, including establishing duty officer responsibilities, rules for the drawing for spaces, and participant vending rules; sets forth disciplinary procedures for rule violations, including penalty guidelines and appeals process; establishes product authenticity and quality standards; and codifies the portal committee code of conduct for all participants.

The BOR and DCA are proposing these rule changes pursuant to Subsection E of Section 9-4A-6 NMSA 1978 and Subsection G of Section 18-3-3 NMSA 1978.

The BOR and the DCA will hold a public hearing on Tuesday, April 3, 2018, at 10:00 A.M. in Room 238 of the Bataan Memorial Building (Old Senate Chambers), 407 Galisteo Street, Santa Fe, New Mexico 87501. The purpose of the hearing is to receive oral and written comments on the proposed rule repeals and on the proposed new rule.

The proposed rule is available at the DCA website: <http://www.newmexicoculture.org>. To request that a copy of the proposed rule be mailed to you, submit your request in writing to Shirley Lujan, Museum Resources Center, Dept. of Cultural Affairs, 725 Camino Lejo, Santa Fe, New Mexico 87504, or by email to Shirley.Lujan@state.nm.us.

Any person may appear at the hearing and make oral comments, or submit written comments, or both. Written comments may be submitted by mail or email to Shirley Lujan at the addresses noted above. The BOR and DCA will accept written comments for consideration no later than 10:00 A.M. on the hearing date. Written comments received at least one day prior to the public hearing will be posted on the DCA's website.

Individuals in need of a reader, amplifier, qualified sign language interpreter or any other form of

auxiliary aid or service to attend or participate in the hearing should contact Shirley Lujan at 505-476-1126 at least five business days prior to the hearing.

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION COMMISSION

NOTICE OF PROPOSED RULEMAKING

The New Mexico Oil Conservation Commission (Commission) hereby gives notice of the following proposed rulemaking (Case No. 15957).

The New Mexico Oil Conservation Division ("OCD") proposes to amend 19.15.2, 19.15.4, 19.15.14, 19.15.15, and 19.15.16 NMAC as follows to make changes concerning the drilling, spacing and operation of horizontal wells, and related matters:

19.15.2.7 NMAC. OCD proposes to amend 19.15.2.7 to add a new definition of "affected persons" and amend the definitions of "mineral interest owners" and "proration unit".
19.15.4.12 NMAC. OCD proposes to amend 19.15.4.12 to clarify the notice requirements for applications for non-standard well locations and non-standard spacing and proration units.
19.15.14 and 19.15.15 NMAC.

OCD proposes to amend 19.15.14.8 and 19.15.15.8 to conform cross-references to proposed revisions of 19.15.16 NMAC.

19.15.16 NMAC. OCD proposes to amend 19.15.16 NMAC to comprehensively revise the requirements for horizontal wells. Changes include adding definitions of "first take point" and "last take point", "infill horizontal well", "multi-lateral well", and "unitized area", and repeal definitions of "penetration point", "producing area", "project area", and "standard project area".

19.15.16.14 NMAC will be

amended to provide for distinct rules of "directional" as opposed to "horizontal" wells. The rules for directional wells will not be significantly changed, but will no longer apply to horizontal wells.

19.15.16.15 NMAC will be amended to collect in a single section those rules that apply to horizontal wells and proposes revisions to comprehensively regulate such wells. These changes include establishing standard horizontal spacing units and procedures for OCD approval of non-standard horizontal spacing units. The proposed changes also provide minimum setback distances for horizontal wells from horizontal spacing unit boundaries and authorize horizontal wells to produce at maximum efficient rates to prevent waste of oil and gas.

Purpose of Proposed Rule. The proposed changes will adapt the spacing and setback requirements for horizontal wells to the unique nature of those wells, and maximize such wells' efficiency by eliminating unnecessary restrictions on production, and also clarify matters that are uncertain in existing rules.

Legal Authority. These amendments are authorized by the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38, and specifically Section 70-2-11(A), (which authorizes the adoption of rules to carry out the purposes of the Act), Section 70-2-12(A) (which authorizes the Commission to prorate production of crude petroleum oil and natural gas) and Section 70-2-12(B)(10) (which authorizes the Commission to fix the spacing of wells). The rulemaking proceeding will be governed by the Commission's rule on rulemaking, 19.15.3 NMAC.

The full text of the proposed rule amendments is available from Commission Clerk, Florene Davidson at (505) 476-3458 or can be viewed on the Rules page at the Oil Conservation Division's website at <http://www.emnrd.state.nm.us/ocd>, or at Oil Conservation Division offices

in Santa Fe, Hobbs, Artesia, or Aztec.

Public Hearing and Comment.

The Commission will hold a public hearing on the proposed rules at the Commission meeting which will commence at 9:00 A.M. on April 17, 2018, in Porter Hall, 1st Floor, Wendell Chino Building, 1220 South St. Francis Drive, Santa Fe, New Mexico.

Written or electronic comments on the proposed rule may be hand delivered or mailed to the Commission Clerk, Florene Davidson, 3d floor, 1220 South St. Francis Drive, Santa Fe, NM 87505, or e-mailed to florene.davidson@state.nm.us. All written or electronic comments must be received by the Commission Clerk no later than 9:00 A.M. on April 17, 2018, unless the Commission or the Commission Chair extends this deadline.

Persons intending to submit proposed modifications to the proposed rule amendments, to present technical testimony at the hearing, or to cross-examine witnesses must file six copies of a Pre-hearing Statement conforming to the requirements of Subsection B of 19.15.3.11 NMAC, no later than 5:00 P.M. on April 3, 2018. Pre-hearing Statements must be hand-delivered, mailed, or e-mailed to the Commission Clerk at the above address.

Any person who has not submitted a pre-hearing statement may present non-technical testimony or make an unsworn statement at the hearing. A person may also offer exhibits with the testimony so long as the exhibits are relevant to the proposed rule changes and do not unduly repeat the testimony. Any person who wishes to present non-technical testimony should indicate his or her intent on a sign-in sheet at the hearing. A person who testifies at the hearing is subject to cross-examination by the commissioners, commission counsel, or a party on the subject matter of the person's direct testimony.

If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact Ms. Davidson at (505) 476-3458 or through the New Mexico Relay Network at 1-800-659-1779 by April 3, 2018. Public documents can be provided in various accessible forms. Please contact Ms. Davidson if a summary or other type of accessible form is needed. A party who plans to use projection equipment at a hearing must contact Ms. Davidson seven business days prior to the hearing requesting the use of the projection equipment. Wireless internet is available; however, the person requesting to use the wireless connection must provide a laptop computer.

Technical Information that served as a basis for the proposed rule includes: -Holditch, S. and Blakeley, D., "Flow Characteristics of Hydraulic Fracture Proppants Subjected to Repeated Production Cycles", *SPE Production Engineering*, Feb. 1992; and -Crafton, J. and Noe, S., "Impact of Delays and Shut-Ins on Well Productivity", SPE Eastern Regional Meeting, August 2013. These materials can be viewed on the Rules page at the Oil Conservation Division's website at <http://www.emnrd.state.nm.us/ocd>.

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT STATE PARKS DIVISION

NOTICE OF PROPOSED RULEMAKING

The New Mexico Energy, Minerals and Natural Resources Department (EMNRD), State Parks Division hereby gives notice of the following proposed rulemaking.

The State Parks Division proposes to amend its rules 19.5.1 NMAC, General Provisions; 19.5.2 NMAC,

Notice of Proposed Rulemaking

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19.15.4.12 NMAC. OCD proposes to amend 19.15.4.12 to clarify the notice requirements for applications for non-standard well locations and non-standard spacing and proration units.

19.15.14 and 19.15.15 NMAC. OCD proposes to amend 19.15.14.8 and 19.15.15.8 to conform cross-references to proposed revisions of 19.15.16 NMAC.

19.15.16 NMAC. OCD proposes to amend 19.15.16 NMAC to comprehensively revise the requirements for horizontal wells. Changes include adding definitions of "first take point" and "last take point", "infill horizontal well", "multi-lateral well", and "unitized area", and repeal definitions of "penetration point", "producing area", "project area", and "standard project area".

19.15.16.14 NMAC will be amended to provide for distinct rules of "directional" as opposed to "horizontal" wells. The rules for directional wells will not be significantly changed, but will no longer apply to horizontal wells.

19.15.16.15 NMAC will be amended to collect in a single section those rules that apply to horizontal wells and proposes revisions to comprehensively regulate such wells. These changes include establishing standard horizontal spacing units and procedures for OCD approval of non-standard horizontal spacing units. The proposed changes also provide minimum setback distances for horizontal wells from horizontal spacing unit boundaries and authorize horizontal wells to produce at maximum efficient rates to prevent waste of oil and gas.

Purpose of Proposed Rule. The proposed changes will adapt the spacing and setback requirements for horizontal wells to the unique nature of those wells, and maximize such wells' efficiency by eliminating unnecessary restrictions on production, and also clarify matters that are uncertain in existing rules.

Legal Authority. These amendments are authorized by the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38, and specifically Section 70-2-11(A), (which authorizes the adoption of rules to carry out the purposes of the Act), Section 70-2-12(A) (which authorizes the Commission to prorate production of crude petroleum oil and natural gas) and Section 70-2-12(B)(10) (which authorizes the Commission to fix the spacing of wells). The rulemaking proceeding will be governed by the Commission's rule on rulemaking, 19.15.3 NMAC.

The full text of the proposed rule amendments is available from Commission Clerk, Florene Davidson at (505) 476-3458 or can be viewed on the Rules page at the Oil Conservation Division's website at <http://www.emnrd.state.nm.us/ocd>, or at Oil Conservation Division offices in Santa Fe, Hobbs, Artesia, or Aztec.

Public Hearing and Comment. The Commission will hold a **public hearing** on the proposed rules at the Commission meeting which will commence at 9:00 A.M. on April 17, 2018, in Porter Hall, 1st Floor, Wendell Chino Building, 1220 South St. Francis Drive, Santa Fe, New Mexico.

Written or electronic comments on the proposed rule may be hand delivered or mailed to the Commission Clerk, Florene Davidson, 3d floor, 1220 South St. Francis Drive, Santa Fe, NM 87505, or e-mailed to florene.davidson@state.nm.us. All written or electronic comments must be received by the Commission Clerk no later than 9:00 A.M. on April 17, 2018, unless the Commission or the Commission Chair extends this deadline.

Persons intending to submit proposed modifications to the proposed rule amendments, to present technical testimony at the hearing, or to cross-examine witnesses must file six copies of a Pre-hearing Statement conforming to the requirements of Subsection B of 19.15.3.11 NMAC, no later than 5:00 P.M. on April 3, 2018. Pre-hearing Statements must be hand-delivered, mailed, or e-mailed to the Commission Clerk at the above address.

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 OIL CONSERVATION DIV
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<u>Ad Cost</u>	\$316.24	<u>Sales Rep</u>	cwhite	
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Written or electronic comments on the proposed rule may be hand delivered or mailed to the Commission Clerk, Florene Davidson, 3d floor, 1220 South St. Francis Drive, Santa Fe, NM 87505, or e-mailed to florene.davidson@state.nm.us. All written or electronic comments must be received by the Commission Clerk no later than 9:00 A.M. on April 17, 2018, unless the Commission or the Commission Chair extends this deadline.

Persons intending to submit proposed modifications to the proposed rule amendments, to present technical testimony at the hearing, or to cross-examine witnesses must file six copies of a Pre-hearing Statement conforming to the requirements of Subsection B of 19.15.3.11 NMAC, no later than 5:00 P.M. on April 3, 2018. Pre-hearing Statements must be hand-delivered, mailed, or e-mailed to the Commission Clerk at the above address.

Any person who has not submitted a pre-hearing statement may present non-technical testimony or make an unsworn statement at the hearing. A person may also offer exhibits with the testimony so long as the exhibits are relevant to the proposed rule changes and do not unduly repeat the testimony.

Any person who wishes to present non-technical testimony should indicate his or her intent on a sign-in sheet at the hearing. A person who testifies at the hearing is subject to cross-examination by the commissioners, commission counsel, or a party on the subject matter of the person's direct testimony.

If you are an individual with a disability who needs a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aid or service to attend or participate in the hearing, please contact Ms. Davidson at (505) 476-3458 or through the New Mexico Relay Network at 1-800-659-1779 by April 3, 2018. Public documents can be provided in various accessible forms. Please contact Ms. Davidson if a summary or other type of accessible form is needed. A party who plans to use projection equipment at a hearing must contact Ms. Davidson seven business days prior to the hearing requesting the use of the projection equipment. Wireless internet is available; however, the person requesting to use the wireless connection must provide a laptop computer.

Technical information that served as a basis for the proposed rule includes:

- Holditch, S. and Blakeley, D., "Flow Characteristics of Hydraulic Fracture Proppants Subjected to Repeated Production Cycles", SPE Production Engineering, Feb. 1992; and
- Crafton, J. and Noe, S., "Impact of Delays and Shut-Ins on Well Productivity", SPE Eastern Regional Meeting, August 2013.

These materials can be viewed on the Rules page at the Oil Conservation Division's website at <http://www.emnrd.state.nm.us/ocd>.

Given under the Seal of the State of New Mexico Oil Conservation Commission at Santa Fe, New Mexico on this 12th day of March, 2018.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Heather Riley
Director, Oil Conservation Division

Journal: March 15, 2018

19.15.2 Definitions

This is an amendment to 19.15.2 NMAC, amending Sections 1, 3, 6 and 7, effective XX/XX/XXXX.

19.15.2.1 ISSUING AGENCY: ~~[Energy, Minerals and Natural Resources Department, Oil Conservation Division]~~ Oil Conservation Commission.

[19.15.2.1 NMAC - Rp, 19.15.1.1 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.2.3 STATUTORY AUTHORITY: 19.15.2 NMAC is adopted pursuant to the Oil and Gas Act, [NMSA 1978,] Sections 70-2-1 through 70-2-38 NMSA 1978, which grants the oil conservation division jurisdiction and authority over all matters relating to the conservation of oil and gas, the prevention of waste of oil and gas and of potash ~~[as a result]~~ because of oil and gas operations, the protection of correlative rights and the disposition of wastes resulting from oil and gas operations.

[19.15.2.3 NMAC - Rp, 19.15.1.3 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.2.6 OBJECTIVE: To set forth general provisions and definitions pertaining to the authority of the oil conservation division and the oil conservation commission pursuant to the Oil and Gas Act, ~~[NMSA 1978,]~~ Sections 70-2-1 through 70-2-38 NMSA 1978.

[19.15.2.6 NMAC - Rp, 19.15.1.6 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.2.7 DEFINITIONS: These definitions apply to 19.15.2 NMAC through 19.15.39 NMAC.

A. **Definitions beginning with the letter "A".**

(1) **"Abate"** means to investigate, contain, remove or mitigate water pollution.

(2) **"Abatement"** means the investigation, containment, removal or other mitigation of water pollution.

(3) **"Abatement plan"** means a description of operational, monitoring, contingency and closure requirements and conditions for water pollution's prevention, investigation and abatement.

(4) **"ACT"** means automatic custody transfer.

(5) **"Adjoining spacing units"** mean those existing or prospective spacing units in the same pool that are touching at a point or line on the subject spacing unit.

(6) **"Adjusted allowable"** means the allowable production a well or proration unit receives after all adjustments are made.

(7) **"AFE"** means authorization for expenditure.

(8) **"Affected persons"** means the following persons owning interests in a spacing unit or other identified tract:

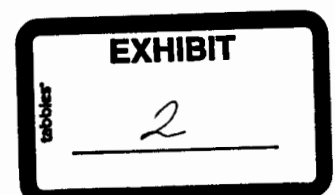
(a) the operator, as shown in division records, of a well on the tract, or, if the tract is included in a division-approved unit, the designated unit operator;

(b) in the absence of an operator, or with respect to an application wherein the operator of the spacing unit or identified tract is the applicant, each working interest owner whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date the applicant files the application;

(c) as to any tract or interest therein that is not subject to an existing oil and gas lease, each mineral interest owner whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date the applicant filed the application; and

(d) if the United States or state of New Mexico owns the mineral estate in the spacing unit or identified tract or any part thereof, the BLM or state land office, as applicable; or

(e) if the mineral estate in the spacing unit or identified tract or any part thereof is tribal land, the BLM, the United States department of the interior, bureau of Indian



affairs, and the relevant tribe.

~~[(8)]~~ **(9) “Allocated pool”** means a pool in which the total oil or gas production is restricted and is allocated to various wells in the pool in accordance with proration schedules.

~~[(9)]~~ **(10) “Allowable production”** means that number of barrels of oil or cubic feet of gas the division authorizes to be produced from an allocated pool.

~~[(10)]~~ **(11) “APD”** means application for permit to drill.

~~[(11)]~~ **(12) “API”** means the American petroleum institute.

~~[(12)]~~ **(13) “Approved temporary abandonment”** means the status of a well that is inactive, has been approved in accordance with 19.15.25.13 NMAC and ~~[is in compliance]~~ complies with 19.15.25.12 NMAC through 19.15.25.14 NMAC.

~~[(13)]~~ **(14) “Aquifer”** means a geological formation, group of formations or a part of a formation that ~~[is capable of yielding]~~ can yield a significant amount of water to a well or spring.

~~[(14)]~~ **(15) “ASTM”** means ASTM International - an international standards developing organization that develops and publishes voluntary technical standards for a wide range of materials, products, systems and services.

B. Definitions beginning with the letter “B”.

(1) “Back allowable” means the authorization for production of an underproduction resulting from pipeline proration.

(2) “Background” means, for purposes of ground water abatement plans only, the amount of ground water contaminants naturally occurring from undisturbed geologic sources or water contaminants occurring from a source other than the responsible person’s facility. This definition does not prevent the director from requiring abatement of commingled plumes of pollution, does not prevent responsible persons from seeking contribution or other legal or equitable relief from other persons and does not preclude the director from exercising enforcement authority under any applicable statute, rule or common law.

(3) “Barrel” means 42 United States gallons measured at 60 degrees fahrenheit and atmospheric pressure at the sea level.

(4) “Barrel of oil” means 42 United States gallons of oil, after deductions for the full amount of basic sediment, water and other impurities present, ascertained by centrifugal or other recognized and customary test.

(5) “Below-grade tank” means a vessel, excluding sumps and pressurized pipeline drip traps, where a portion of the tank’s sidewalls is below the surrounding ground surface’s elevation. Below-grade tank does not include an above ground storage tank that is located above or at the surrounding ground surface’s elevation and is surrounded by berms.

(6) “Berm” means an embankment or ridge constructed to prevent the movement of liquids, sludge, solids or other materials.

(7) “Biopile”, also known as biocell, bioheap, biomound or compost pile, means a pile of contaminated soils used to reduce concentrations of petroleum constituents in excavated soils ~~[using]~~ through biodegradation. This technology involves heaping contaminated soils into piles or “cells” and stimulating aerobic microbial activity within the soils through the aeration or addition of minerals, nutrients and moisture.

(8) “BLM” means the United States department of the interior, bureau of land management.

(9) “Bottom hole pressure” means the gauge pressure in psi under conditions existing at or near the producing horizon.

(10) “Bradenhead gas well” means a well producing gas through wellhead connections from a gas reservoir that has been successfully cased off from an underlying oil or gas reservoir.

(11) “BS&W” means basic sediments and water.

(12) “BTEX” means benzene, toluene, ethylbenzene and xylene.

C. Definitions beginning with the letter “C”.

(1) “Carbon dioxide gas” means noncombustible gas composed chiefly of carbon dioxide occurring naturally in underground rocks.

(2) “Casinghead gas” means a gas or vapor or both gas and vapor indigenous to and produced from a pool the division classifies as an oil pool. This also includes gas-cap gas produced from such an oil pool.

(3) “Cm/sec” means centimeters per second.

(4) “CPD” means central point delivery.

(5) “Combination multiple completion” means a multiple completion in which two or

more common sources of supply are produced through a combination of two or more conventional diameter casing strings cemented in a common well bore, or a combination of small diameter and conventional diameter casing strings cemented in a common well bore, the conventional diameter strings of which might or might not be a conventional multiple completion.

(6) **"Commission"** means the oil conservation commission.

(7) **"Commission clerk"** means the division employee the director designates to provide staff support to the commission and accept filings in rulemaking or adjudicatory cases before the commission.

(8) **"Common purchaser for gas"** means a person now or hereafter engaged in purchasing from one or more producers gas produced from gas wells within each common source of supply from which it purchases.

(9) **"Common purchaser for oil"** means every person now engaged or hereafter engaging in the business of purchasing oil to be transported through pipelines.

(10) **"Common source of supply"**. See pool.

(11) **"Condensate"** means the liquid recovered at the surface that results from condensation due to reduced pressure or temperature of petroleum hydrocarbons existing in a gaseous phase in the reservoir.

(12) **"Contiguous"** means acreage joined by more than one common point, that is, the common boundary is at least one side of a governmental quarter-quarter section.

(13) **"Conventional completion"** means a well completion in which the production string of casing has an outside diameter ~~in excess of~~ exceeding 2.875 inches.

(14) **"Conventional multiple completion"** means a completion in which two or more common sources of supply are produced through one or more strings of tubing installed within a single casing string, with the production from each common source of supply completely segregated by means of packers.

(15) **"Correlative rights"** means the opportunity afforded, as far as it is practicable to do so, to the owner of each property in a pool to produce without waste the owner's just and equitable share of the oil or gas in the pool, being an amount, so far as can be practically determined, and so far as can be practically obtained without waste, substantially in the proportion that the quantity of recoverable oil or gas under the property bears to the total recoverable oil or gas in the pool, and for the purpose to use the owner's just and equitable share of the reservoir energy.

(16) **"Cubic feet of gas or cubic foot of gas"** means that volume of gas contained in one cubic foot of space and computed at a base pressure of 10 ounces per square inch above the average barometric pressure of 14.4 psi (15.025 psi absolute), at a standard base temperature of 60 degrees fahrenheit.

D. Definitions beginning with the letter "D".

(1) **"Deep pool"** means a common source of supply that is situated 5000 feet or more below the surface.

(2) **"Depth bracket allowable"** means the basic oil allowable the division assigns a pool and based on its depth, unit size or special pool orders, which, when multiplied by the market demand percentage factor in effect, determines the pool's top proration unit allowable.

(3) **"Director"** means the director of the New Mexico energy, minerals and natural resources department, oil conservation division.

(4) **"Division"** means the New Mexico energy, minerals and natural resources department, oil conservation division.

(5) **"Division clerk"** means the division employee the director designates to accept filings in adjudicatory cases before the division.

(6) **"Downstream facility"** means a facility associated with the transportation (including gathering) or processing of gas or oil (including a refinery, gas plant, compressor station or crude oil pump station); brine production; or the oil field service industry.

(7) **"DRO"** means diesel range organics.

E. Definitions beginning with the letter "E".

(1) **"EC"** means electrical conductivity.

(2) **"Enhanced oil recovery project"** means the use or the expanded use of a process for the displacement of oil from an oil well or division-designated pool other than a primary recovery process, including but not limited to the use of a pressure maintenance process; a water flooding process; an immiscible, miscible, chemical, thermal or biological process; or any other related process.

(3) **"EOR project"** means an enhanced oil recovery project.

(4) **"EPA"** means the United States environmental protection agency.

(5) **"Exempted aquifer"** means an aquifer that does not currently serve as a source of

drinking water, and that cannot now and will not in the foreseeable future serve as a source of drinking water because:

- (a) it is hydrocarbon producing;
- (b) it is situated at a depth or location that makes the recovery of water for drinking water purposes economically or technologically impractical; or
- (c) it is so contaminated that it would be economically or technologically impractical to render that water fit for human consumption.

(6) **“Exempt waste”** means oil field waste exempted from regulation as hazardous waste pursuant to Subtitle C of RCRA and applicable regulations.

(7) **“Existing spacing unit”** means a spacing unit containing a producing well.

F. Definitions beginning with the letter “F”.

(1) **“Facility”** means a structure, installation, operation, storage tank, transmission line, access road, motor vehicle, rolling stock or activity of any kind, whether stationary or mobile.

(2) **“Field”** means the general area that at least one pool ~~[underlays]~~ underlies or appears to ~~[underlay]~~ underlie; and also includes the underground reservoir or reservoirs containing oil or gas. The words field and pool mean the same thing when only one underground reservoir is involved; however, field unlike pool may relate to two or more pools.

(3) **“Fresh water”** to be protected includes the water in lakes and playas (regardless of quality, unless the water exceeds 10,000 mg/l TDS and it can be shown that degradation of the particular water body will not adversely affect hydrologically connected fresh ground water), the surface waters of streams regardless of the water quality within a given reach, and underground waters containing 10,000 mg/l or less of TDS except for which, after notice and hearing, it is found there is no present or reasonably foreseeable beneficial use that contamination of such waters would impair.

G. Definitions beginning with the letter “G”.

(1) **“Gas”**, also known as natural gas, means a combustible vapor composed chiefly of hydrocarbons occurring naturally in a pool the division has classified as a gas pool.

(2) **“Gas lift”** means a method of lifting liquid to the surface by injecting gas into a well from which oil production is obtained.

(3) **“Gas-oil ratio”** means the ratio of the casinghead gas produced in standard cubic feet to the number of barrels of oil concurrently produced during any stated period.

(4) **“Gas-oil ratio adjustment”** means the reduction in allowable of a high gas oil ratio unit to conform with the production permitted by the limiting gas-oil ratio for the particular pool during a particular proration period.

(5) **“Gas transportation facility”** means a pipeline in operation serving gas wells for the transportation of gas, or some other device or equipment in like operation where the gas produced from gas wells connected with the pipeline or other device or equipment can be transported or used for consumption.

(6) **“Gas well”** means a well producing gas from a gas pool, or a well with a gas-oil ratio ~~[in excess of]~~ exceeding 100,000 cubic feet of gas per barrel of oil producing from an oil pool.

(7) **“Geomembrane”** means an impermeable polymeric sheet material that is impervious to liquid and gas ~~[as long as]~~ if it maintains its integrity, and is used as an integral part of an engineered structure designed to limit the movement of liquid or gas in a system.

(8) **“Geotextile”** means a sheet material that is less impervious to liquid than a geomembrane but more resistant to penetration damage, and is used as part of an engineered structure or system to serve as a filter to prevent the movement of soil fines into a drainage system, to provide planar flow for drainage, to serve as a cushion to protect geomembranes or to provide structural support.

(9) **“GRO”** means gasoline range organics.

(10) **“Ground water”** means interstitial water that occurs in saturated earth material and ~~[is capable of entering]~~ can enter a well in sufficient amounts to be used as a water supply.

(11) **“Ground water sensitive area”** means an area the division specifically designates after evaluation of technical evidence where ground water exists that would likely exceed WQCC standards if contaminants were introduced into the environment.

H. Definitions beginning with the letter “H”.

(1) **“Hardship gas well”** means a gas well where underground waste occurs if the well is shut-in or curtailed below its minimum sustainable flow rate.

(2) **“Hazard to public health”** exists when water that is used or is reasonably expected to be used in the future as a human drinking water supply exceeds at the time and place of the use, one or more of the

numerical standards of Subsection A of 20.6.2.3103 NMAC, or the naturally occurring concentrations, whichever is higher, or if a toxic pollutant as defined at Subsection WW of 20.6.2.7 NMAC affecting human health is present in the water. In determining whether a release would cause a hazard to public health to exist, the director investigates and considers the purification and dilution reasonably expected to occur from the time and place of release to the time and place of withdrawal for use as human drinking water.

(3) **"Hazardous waste"** means non-exempt waste that exceeds the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended.

(4) **"HDPE"** means high-density polyethylene.

(5) **"High gas-oil ratio proration unit"** means a unit with at least one producing oil well with a gas-oil ratio ~~[in excess of]~~ exceeding the limiting gas-oil ratio for the pool in which the unit is located.

(6) **"H₂S"** means hydrogen sulfide.

I. Definitions beginning with the letter "P".

(1) **"Illegal gas"** means gas produced from a gas well ~~[in excess of]~~ exceeding the division-determined allowable.

(2) **"Illegal oil"** means oil produced ~~[in excess of]~~ exceeding the allowable the division fixes.

(3) **"Illegal product"** means a product of illegal gas or illegal oil.

(4) **"Inactive well"** means a well that is not being used for beneficial purposes such as production, injection or monitoring and that is not being drilled, completed, repaired or worked over.

(5) **"Injection well"** means a well used for the injection of air, gas, water or other fluids into an underground stratum.

J. [RESERVED]

K. Definitions beginning with the letter "K". "Knowingly and willfully", for ~~[the purpose of]~~ assessing civil penalties, means the voluntary or conscious performance of an act that is prohibited or the voluntary or conscious failure to perform an act or duty that is required. It does not include performances or failures to perform that are honest mistakes or merely inadvertent. It includes, but does not require, performances or failures to perform that result from a criminal or evil intent or from a specific intent to violate the law. The conduct's knowing and willful nature may be established by plain indifference to or reckless disregard of the requirements of statutes, rules, orders or permits. A consistent pattern or performance or failure to perform also may be sufficient to establish the conduct's knowing and willful nature, where such consistent pattern is neither the result of honest mistakes nor mere inadvertency. Conduct that is otherwise regarded as being knowing and willful is rendered neither accidental nor mitigated in character by the belief that the conduct is reasonable or legal.

L. Definitions beginning with the letter "L".

(1) **"Limiting gas-oil ratio"** means the gas-oil ratio the division assigns to a particular oil pool to limit the volumes of casinghead gas that may be produced from the various oil producing units within that particular pool.

(2) **"Liner"** means a continuous, low-permeability layer constructed of natural or human-made materials that restricts the migration of liquid oil field wastes, gases or leachate.

(3) **"LLDPE"** means linear low-density polyethylene.

(4) **"Load oil"** means oil or liquid hydrocarbon that has been used in remedial operation in an oil or gas well.

(5) **"Log"** means a systematic detailed and correct record of formations encountered in drilling a well.

M. Definitions beginning with the letter "M".

(1) **"Marginal unit"** means a proration unit that is incapable of producing top proration unit allowable for the pool in which it is located.

(2) **"Market demand percentage factor"** means that percentage factor of 100 percent or less as the division determines at an oil allowable hearing, which, when multiplied by the depth bracket allowable applicable to each pool, determines that pool's top proration unit allowable.

(3) **"MCF"** means a thousand cubic feet.

(4) **"MCFD"** means a thousand cubic feet per day.

(5) **"MCFGPD"** means a thousand cubic feet of gas per day.

(6) **"Mg/l"** means milligrams per liter.

(7) **"Mg/kg"** means milligrams per kilogram.

(8) **"Mineral estate"** is the most complete ownership of oil and gas recognized in law and includes the mineral interests and the royalty interests.

(9) **“Mineral interest [owners] owner”** means ~~[owners of an interest in the executive rights, which are the rights to explore and develop, including oil and gas lessees (i.e., “working interest owners”) and mineral interest owners who have not signed an oil and gas lease]~~ a working interest owner, or an owner of a right to explore for and develop oil and gas that is not subject to an existing oil and gas lease.

(10) **“Minimum allowable”** means the minimum amount of production from an oil or gas well that may be advisable from time to time to the end that production will repay reasonable lifting cost and thus prevent premature abandonment and resulting waste.

(11) **“Miscellaneous hydrocarbons”** means tank bottoms occurring at pipeline stations; oil storage terminals or refineries; pipeline break oil; catchings collected in traps, drips or scrubbers by gasoline plant operators in the plants or in the gathering lines serving the plants; the catchings collected in private, community or commercial salt water disposal systems; or other liquid hydrocarbon that is not lease crude or condensate.

N. Definitions beginning with the letter “N”.

(1) **“Non-aqueous phase liquid”** means an interstitial body of liquid oil, petroleum product, petrochemical or organic solvent, including an emulsion containing such material.

(2) **“Non-exempt waste”** means oil field waste not exempted from regulation as hazardous waste pursuant to Subtitle C of RCRA and applicable regulations.

(3) **“Non-hazardous waste”** means non-exempt oil field waste that is not hazardous waste.

(4) **“Non-marginal unit”** means a proration unit that ~~[is capable of producing]~~ can produce the top proration unit allowable for the pool in which it is located, and to which the division assigns a top proration unit allowable.

(5) **“NORM”** means the naturally occurring radioactive materials regulated by 20.3.14 NMAC.

O. Definitions beginning with the letter “O”.

(1) **“Official gas-oil ratio test”** means the periodic gas-oil ratio test the operator performs pursuant to division order by the method and in the manner the division prescribes.

(2) **“Oil”** means petroleum hydrocarbon produced from a well in the liquid phase and that existed in a liquid phase in the reservoir. This definition includes crude oil or crude petroleum oil.

(3) **“Oil field waste”** means non-domestic waste resulting from the exploration, development, production or storage of oil or gas pursuant to Paragraph (21) of Subsection B of Section 70-2-12 NMSA 1978 and the oil field service industry, the transportation of crude oil or natural gas, the treatment of natural gas or the refinement of crude oil pursuant to Paragraph (22) of Subsection B of Section 70-2-12 NMSA 1978, including waste generated from oil field remediation or abatement activity regardless of the date of release. Oil field waste does not include waste not generally associated with oil and gas industry operations such as tires, appliances or ordinary garbage or refuse unless generated at a division-regulated facility, and does not include sewage, regardless of the source.

(4) **“Oil well”** means a well capable of producing oil and that is not a gas well as defined in Paragraph (6) of Subsection G of 19.15.2.7 NMAC.

(5) **“Operator”** means a person who, duly authorized, ~~[is in charge of]~~ manages a lease’s development or a producing property’s operation, or who ~~[is in charge of]~~ manages a facility’s operation ~~[or management]~~.

(6) **“Overproduction”** means the amount of oil or gas produced during a proration period ~~[in excess of]~~ exceeding the amount authorized on the proration schedule.

(7) **“Owner”** means the person who has the right to drill into and to produce from a pool, and to appropriate the production either for the person or for the person and another.

P. Definitions beginning with the letter “P”.

(1) **“Penalized unit”** means a proration unit to which, because of an excessive gas-oil ratio, the division assigns an allowable that is less than top proration unit allowable for the pool in which it is located and ~~[also]~~ less than the ability of the well or wells on the unit to produce.

(2) **“Person”** means an individual or entity including partnerships, corporations,

associations, responsible business or association agents or officers, the state or a political subdivision of the state or an agency, department or instrumentality of the United States and of its officers, agents or employees.

(3) **"Pit"** means a surface or sub-surface impoundment, man-made or natural depression or diked area on the surface. Excluded from this definition are berms constructed around tanks or other facilities solely for safety, secondary containment and storm water or run-on control.

(4) **"Playa lake"** means a level or nearly level area that occupies the lowest part of a completely closed basin and that is covered with water at irregular intervals, forming a temporary lake.

(5) **"Pool"** means an underground reservoir containing a common accumulation of oil or gas. Each zone of a general structure, which zone is completely separated from other zones in the structure, is covered by the word pool as used in 19.15.2 NMAC through 19.15.39 NMAC. "Pool" is synonymous with "common source of supply" and with "common reservoir".

(6) **"Potential"** means a well's properly determined capacity to produce oil or gas under division-prescribed conditions.

(7) **"Ppm"** means parts per million by volume.

(8) **"PQL"** means practical quantitation limit.

(9) **"Pressure maintenance"** means the injection of gas or other fluid into a reservoir, either to maintain the reservoir's existing pressure or to retard the reservoir pressure's natural decline.

(10) **"Produced water"** means water that is an incidental byproduct from drilling for or the production of oil and gas.

(11) **"Producer"** means the owner of a well or wells capable of producing oil or gas or both in paying quantities.

(12) **"Product"** means a commodity or thing made or manufactured from oil or gas, and derivatives of oil or gas, including refined crude oil, crude tops, topped crude, processed crude petroleum, residue from crude petroleum, cracking stock, uncracked fuel oil, treated crude oil, fuel oil, residuum, gas oil, naphtha, distillate, gasoline, kerosene, benzene, wash oil, lubricating oil and blends or mixtures of oil or gas or a derivative thereof.

(13) **"Proration day"** consists of 24 consecutive hours that begin at 7:00 a.m. and end at 7:00 a.m. on the following day.

(14) **"Proration month"** means the calendar month that begins at 7:00 a.m. on the first day of the month and ends at 7:00 a.m. on the first day of the next succeeding month.

(15) **"Proration period"** means for oil the proration month and for gas the 12-month period that begins at 7:00 a.m. on January 1 of each year and ends at 7:00 a.m. on January 1 of the succeeding year or other period designated by general or special order of the division.

(16) **"Proration schedule"** means the division orders authorizing the production, purchase and transportation of oil, casinghead gas and gas from the various units of oil or of gas in allocated pools.

(17) **"Proration unit"** means the area in a pool that can be effectively and efficiently drained by one well as determined by the division or commission (see [NMSA 1978,] Section 70-2-17(B) NMSA 1978) as well as the area assigned to an individual well for the purposes of allocating allowable production pursuant to a prorationing order for the pool. ~~[A proration unit shall be the same size and shape as a spacing unit. All proration units are spacing units but not all spacing units are proration units.]~~

(18) **"Prospective spacing unit"** means a hypothetical spacing unit that does not yet have a producing well.

(19) **"PVC"** means poly vinyl chloride.

(20) **"Psi"** means pounds per square inch.

Q. [RESERVED]

R. Definitions beginning with the letter "R".

(1) **"RCRA"** means the federal Resource Recovery and Conservation Act.

(2) **"Recomplete"** means the subsequent completion of a well in a different pool from the pool in which it was originally completed.

(3) **“Regulated NORM”** means NORM contained in oil-field soils, equipment, sludges or other materials related to oil-field operations or processes exceeding the radiation levels specified in 20.3.14.1403 NMAC.

(4) **“Release”** means breaks, leaks, spills, releases, fires or blowouts involving oil, produced water, condensate, drilling fluids, completion fluids or other chemical or contaminant or mixture thereof, including oil field wastes and gases to the environment.

(5) **“Remediation plan”** means a written description of a program to address unauthorized releases. The plan may include appropriate information, including assessment data, health risk demonstrations and corrective action or actions. The plan may also include an alternative proposing no action beyond the spill report’s submittal.

(6) **“Responsible person”** means the owner or operator who shall complete a division-approved corrective action for pollution from releases.

(7) **“Royalty interest owner”** means the owner of an interest ~~[in the non-executive rights]~~ in oil and gas that does not presently entitle the owner to explore, drill or otherwise develop those minerals, including lessors, royalty interest owners and overriding royalty interest owners. Royalty interests are non-cost bearing.

(8) **“Run-on”** means rainwater, leachate or other liquid that drains from other land onto any part of a division-approved facility.

S. Definitions beginning with the letter “S”.

(1) **“SAR”** means the sodium adsorption ratio.

(2) **“Secondary recovery”** means a method of recovering quantities of oil or gas from a reservoir which quantities would not be recoverable by ordinary primary depletion methods.

(3) **“Sediment oil”** means tank bottoms and other accumulations of liquid hydrocarbons on an oil and gas lease, which hydrocarbons are not merchantable through normal channels.

(4) **“Shallow pool”** means a pool that has a depth range from zero to 5000 feet.

(5) **“Shut-in”** means the status of a production well or an injection well that is temporarily closed ~~[down]~~, whether by closing a valve or disconnection or other physical means.

(6) **“Shut-in pressure”** means the gauge pressure noted at the wellhead when the well is completely shut-in, not to be confused with bottom hole pressure.

(7) **“Significant modification of an abatement plan”** means a change in the abatement technology used excluding design and operational parameters, or relocation of 25 percent or more of the compliance sampling stations, for a single medium, as designated pursuant to Subparagraph (d) of Paragraph (2) of Subsection D of 19.15.30.13 NMAC.

(8) **“Soil”** means earth, sediments or other unconsolidated accumulations of solid particles produced by the physical and chemical disintegration of rocks, and that may or may not contain organic matter.

(9) **“Spacing unit”** means the area allocated to a well under a well spacing order or rule. Under the Oil and Gas Act, Paragraph (10) of Subsection B of Section 70-2-12 NMSA 1978, the commission may fix spacing units without first creating proration units. See *Rutter & Wilbanks corp. v. oil conservation comm’n*, 87 NM 286 (1975). This is the area designated on form C-102.

(10) **“Subsurface water”** means ground water and water in the vadose zone that may become ground water or surface water in the reasonably foreseeable future or that vegetation may use.

(11) **“Surface waste management facility”** means a facility that receives oil field waste for collection, disposal, evaporation, remediation, reclamation, treatment or storage except:

(a) a facility that utilizes underground injection wells subject to division regulation pursuant to the federal Safe Drinking Water Act, and does not manage oil field wastes on the ground in pits, ponds, below-grade tanks or land application units;

(b) a facility permitted pursuant to the New Mexico environmental improvement board rules or WQCC rules;

(c) a temporary pit as defined in 19.15.17 NMAC;

(d) a below-grade tank or pit that receives oil field waste from a single well, permitted pursuant to 19.15.37 NMAC, regardless of the capacity or volume of oil field waste received;

(e) a facility located at an oil and gas production facility and used for temporary storage of oil field waste generated on-site from normal operations, if the facility does not pose a threat to fresh water, public health, safety or the environment;

(f) a remediation conducted in accordance with a division-approved abatement plan pursuant to 19.15.30 NMAC, a corrective action pursuant to 19.15.29 NMAC or a corrective action of a non-reportable release;

(g) a facility operating pursuant to a division emergency order;
(h) a site or facility where the operator is conducting emergency response operations to abate an immediate threat to fresh water, public health, safety or the environment or as the division has specifically directed or approved; or
(i) a facility that receives only exempt oil field waste, receives less than 50 barrels of liquid water per day (averaged over a 30-day period), has a capacity to hold 500 barrels of liquids or less and is permitted pursuant to 19.15.17 NMAC.

T. Definitions beginning with the letter "T".

(1) **"Tank bottoms"** means that accumulation of hydrocarbon material and other substances that settles naturally below oil in tanks and receptacles that are used in oil's handling and storing, and which accumulation contains ~~in excess of~~ more than two percent of BS&W; provided, however, that with respect to lease production and for lease storage tanks, a tank bottom shall be limited to that volume of the tank in which it is contained that lies below the bottom of the pipeline outlet to the tank.

(2) **"TDS"** means total dissolved solids.

(3) **"Temporary abandonment"** means the status of a well that is inactive.

(4) **"Top proration unit allowable for gas"** means the maximum number of cubic feet of gas, for the proration period, the division allocates to a gas producing unit in an allocated gas pool.

(5) **"Top proration unit allowable for oil"** means the maximum number of barrels for oil daily for each calendar month the division allocates on a proration unit basis in a pool to non-marginal units. The division shall determine the top proration unit allowable for a pool by multiplying the applicable depth bracket allowable by the market demand percentage factor in effect.

(6) **"TPH"** means total petroleum hydrocarbons.

(7) **"Treating plant"** means a plant constructed for ~~the purpose of~~ wholly or partially or being used wholly or partially for reclaiming, treating, processing or in any manner making tank bottoms or other waste oil marketable.

(8) **"Tribal lands"** means those lands for which the United States government has a trust responsibility to a native American tribe or a member of a native American tribe. This includes reservations, pueblo land grants, tribal trust lands and individual trust allotments.

(9) **"Tribal leases"** means those leases of minerals or interests in or rights to minerals for which the United States government has a trust responsibility to a native American tribe or a member of a native American tribe.

(10) **"Tribal minerals"** means those minerals for which the United States government has a trust responsibility to a native American tribe or a member of a native American tribe.

(11) **"Tubingless completion"** means a well completion in which the production string of casing has an outside diameter of 2.875 inches or less.

(12) **"Tubingless multiple completion"** means completion in which two or more common sources of supply are produced through an equal number of casing strings cemented in a common wellbore, each such string of casing having an outside diameter of 2.875 inches or less, with the production from each common source of supply completely segregated by cement.

U. Definitions beginning with the letter "U".

(1) **"Underground source of drinking water"** means an aquifer that supplies water for human consumption or that contains ground water having a TDS concentration of 10,000 mg/l or less and that is not an exempted aquifer.

(2) **"Underproduction"** means the amount of oil or the amount of gas during a proration period by which a given proration unit failed to produce an amount equal to that the division authorizes in the proration schedule.

(3) **"Unit of proration for gas"** consists of such multiples of 40 acres as may be prescribed by division-issued special pool orders.

(4) **"Unit of proration for oil"** consists of one 40-acre tract or such multiples of 40-acre tracts as may be prescribed by division-issued special pool orders.

(5) **"Unorthodox well location"** means a location that does not conform to the spacing requirements division rules establish.

(6) **"Unstable area"** means a location that is susceptible to natural or human-induced events or forces capable of impairing the integrity of some or all ~~of~~ a division-approved facility's structural components. Examples of unstable areas are areas of poor foundation conditions, areas susceptible to mass earth movements and karst terrain areas where karst topography is developed ~~as a result~~ because of dissolution of limestone, dolomite or

other soluble rock. Characteristic physiographic features of karst terrain include sinkholes, sinking streams, caves, large springs and blind valleys.

(7) **“Upstream facility”** means a facility or operation associated with the exploration, development, production or storage of oil or gas that is not a downstream facility.

V. **Definitions beginning with the letter “V”.** **“Vadose zone”** means unsaturated earth material below the land surface and above ground water, or in between bodies of ground water.

W. **Definitions beginning with the letter “W”.**

(1) **“Waste”**, in addition to its ordinary meaning, includes:

(a) underground waste as those words are generally understood in the oil and gas business, and to embrace the inefficient, excessive or improper use or dissipation of the reservoir energy, including gas energy and water drive, of a pool, and the locating, spacing, drilling, equipping, operating or producing of a well or wells in a manner to reduce or tend to reduce the total quantity of oil or gas ultimately recovered from a pool, and the use of inefficient underground storage of gas;

(b) surface waste as those words are generally understood in the oil and gas business, and to embrace the unnecessary or excessive surface loss or destruction without beneficial use, however caused, of gas of any type or in any form, or oil, or a product thereof, but including the loss or destruction, without beneficial use, resulting from evaporation, seepage, leakage or fire, especially such loss or destruction incident to or resulting from the manner of spacing, equipping, operating or producing a well or wells, or incident to or resulting from the use of inefficient storage or from the production of oil or gas, in excess of the reasonable market demand;

(c) oil production in this state in excess of the reasonable market demand for the oil; the excess production causes or results in waste that the Oil and Gas Act prohibits; reasonable market demand as used herein with respect to oil means the demand for the oil, for reasonable current requirements for current consumption and use within or outside of the state, together with the demand of amounts as are reasonably necessary for building up or maintaining reasonable storage reserves of oil or the products thereof, or both the oil and products;

(d) the non-ratable purchase or taking of oil in this state; the non-ratable taking and purchasing causes or results in waste, as defined in Subparagraphs (a), (b) and (c) of Paragraph (1) of Subsection W of 19.15.2.7 NMAC and causes waste by violating the Oil and Gas Act, Section 70-2-16 NMSA 1978;

(e) the production in this state of gas from a gas well or wells, or from a gas pool, in excess of the reasonable market demand from such source for gas of the type produced or in excess of the capacity of gas transportation facilities for such type of gas; the words “reasonable market demand”, as used herein with respect to gas, shall be construed to mean the demand for gas for reasonable current requirements, for current consumption and for use within or outside the state, together with the demand for such amounts as are necessary for building up or maintaining reasonable storage reserves of gas or products thereof, or both the gas and products.

(2) **“Water”** means all water including water situated wholly or partly within or bordering upon the state, whether surface or subsurface, public or private, except private waters that do not combine with other surface or subsurface water.

(3) **“Water contaminant”** means a substance that could alter if released or spilled water’s physical, chemical, biological or radiological qualities. Water contaminant does not mean source, special nuclear or by-product material as defined by the Atomic Energy Act of 1954.

(4) **“Watercourse”** means a river, creek, arroyo, canyon, draw or wash or other channel having definite banks and bed with visible evidence of the occasional flow of water.

(5) **“Water pollution”** means introducing or permitting the introduction into water, either directly or indirectly, of one or more water contaminants in such quantity and of such duration as may with reasonable probability injure human health, animal or plant life or property, or to unreasonably interfere with the public welfare or property use.

(6) **“Well blowout”** means a loss of control over and subsequent eruption of a drilling or workover well or the rupture of the casing, casinghead or wellhead of an oil or gas well or injection or disposal well, whether active or inactive, accompanied by the sudden emission of fluids, gaseous or liquid, from the well.

(7) **“Well bore”** means the interior surface of a cased or open hole through which drilling, production or injection operations are conducted.

(8) **“Wellhead protection area”** means the area within 200 horizontal feet of a private, domestic fresh water well or spring used by less than five households for domestic or stock watering purposes or within 1000 horizontal feet of any other fresh water well or spring. Wellhead protection areas does not include areas around water wells drilled after an existing oil or gas waste storage, treatment or disposal site was established.

(9) **“Wetlands”** means those areas that are inundated or saturated by surface or ground water

at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions in New Mexico. This definition does not include constructed wetlands used for wastewater treatment purposes.

(10) **“Working interest owner”** means the owner of an operating interest under an oil and gas lease who has the exclusive right to exploit the oil and gas minerals. Working interests are cost bearing.

(11) **“WQCC”** means the New Mexico water quality control commission.

[19.15.2.7 NMAC - Rp, 19.15.1.7 NMAC, 12/1/2008; A, 3/31/2015; A, 6/30/2016; A, XX/XX/201X]

19.15.4 Adjudicatory Proceedings

This is an amendment to 19.15.4.12 NMAC, amending Sections 1, 3 and 12, effective XX/XX/XXXX.

19.15.4.1 ISSUING AGENCY: ~~[Energy, Minerals and Natural Resources Department, Oil Conservation Division]~~ Oil Conservation Commission.

[19.15.4.1 NMAC - Rp, 19.15.14.1 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.4.3 STATUTORY AUTHORITY: 19.15.4 NMAC is adopted pursuant to the Oil and Gas Act, ~~[NMSA 1978,]~~ Section 70-2-6 NMSA 1978, which grants the oil conservation division and the oil conservation commission jurisdiction and authority over all matters relating to the conservation of oil and gas, the prevention of waste of oil and gas and of potash as a result of oil and gas operations, the protection of correlative rights and the disposition of wastes resulting from oil and gas operations, and ~~[NMSA 1978,]~~ Section 70-2-7 NMSA 1978, which provides that the division shall prescribe by rule its hearing procedures.

[19.15.4.3 NMAC - Rp, 19.15.14.3 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.4.12 NOTICE REQUIREMENTS FOR SPECIFIC ADJUDICATIONS:

A. Applications for the following adjudicatory hearings before the division or commission, in addition to that 19.15.14.9 NMAC requires, as follows:

(1) **Compulsory pooling and statutory unitization.**

(a) The applicant shall give notice to an owner of an interest in the mineral estate of any portion of the lands the applicant proposes to be pooled or unitized whose interest is evidenced by a written conveyance document either of record or known to the applicant at the time the applicant filed the application and whose interest has not been voluntarily committed to the area proposed to be pooled or unitized (other than a royalty interest subject to a pooling or unitization clause).

(b) When the applicant has given notice as required in Subsection A of 19.15.4.9 NMAC, of a compulsory pooling application, the proposed unit is not larger in size than provided in 19.15.15 NMAC or applicable special pool orders, and those owners the applicant has located do not oppose the application, the applicant may file under the following alternative procedure. The application shall include the following:

(i) a statement that the applicant expects no opposition including the reasons why;

(ii) a map outlining the spacing unit to be pooled, showing the ownership of each separate tract in the proposed unit and the proposed well's location;

(iii) the names and last known addresses of the interest owners to be pooled and the nature and percent of their interests and an attestation that the applicant has conducted a diligent search of all public records in the county where the well is located and of phone directories, including computer searches;

(iv) the names of the formations and pools to be pooled;

(v) a statement as to whether the pooled unit is for gas or oil production or both;

(vi) written evidence of attempts the applicant made to gain voluntary agreement including but not limited to copies of relevant correspondence;

(vii) proposed overhead charges (combined fixed rates) to be applied during drilling and production operations along with the basis for such charges;

(viii) the location and proposed depth of the well to be drilled on the pooled units; and

(ix) a copy of the AFE the applicant, if appointed operator, will submit to the well's interest owners.

(c) Applicants shall provide with all submittals sworn and notarized statements by those persons who prepared submittals, attesting that the information is correct and complete to the best of their knowledge and belief.

(d) The division shall set unopposed pooling applications for hearing. If the division finds the application complete, the information submitted with the application shall constitute the record in the case, and the division shall issue an order based on the record.

(e) At an interested person's request or upon the division's own initiative, the division shall set a pooling application for full hearing with oral testimony by the applicant.

(2) Unorthodox well locations.

~~[(a) Affected persons are the following persons owning interests in the adjoining spacing units:~~

~~(i) the division designated operator;~~

~~(ii) in the absence of an operator, a lessee whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date he files the application; and~~

~~(iii) in the absence of an operator or lessee, a mineral interest owner whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date the applicant filed the application.~~

~~(b)] In the event the proposed unorthodox well's operator is also the operator of an existing, adjoining spacing unit, and ownership is not common between the adjoining spacing unit and the spacing unit containing the proposed unorthodox well, then affected persons include working interest owners in that spacing unit.]~~

~~[(e)]~~ **(a)** If the proposed well location is unorthodox by being located closer to the spacing unit's outer boundary than 19.15.15 NMAC, 19.15.16 NMAC or applicable special pool orders permit, the applicant shall notify the affected persons in ~~[the adjoining spacing units towards which the unorthodox location encroaches]~~ each adjoining spacing unit located closer to the unorthodox well location than the minimum distance prescribed by the applicable rule or order. If an adjoining tract is not included in a spacing unit in the same pool or pools in which the well may be completed, then for such tract the applicant shall notify affected persons in any adjoining quarter-quarter section (if the proposed well will be completed in a pool where the standard spacing unit is 40 acres), or any adjoining quarter section (if the proposed well will be completed in a pool where the standard spacing unit is greater than 40 acres), that is located closer to the unorthodox well location than the minimum setback distance prescribed by the applicable rule or order.

~~[(d)]~~ **(b)** If the proposed well location is unorthodox by ~~[being located in]~~ being in a different quarter-quarter section or quarter section

than special pool orders provide, the applicant shall notify affected persons in all spacing units or tracts that adjoin the proposed well's spacing unit.

(3) **Non-standard proration unit.** The applicant shall notify all owners of interests in the mineral estate, including mineral interest owners and royalty owners, to be excluded from the proration unit in the quarter-quarter section for 40-acre pools or formations, the one-half quarter section for 80-acre pools or formations, the quarter section for 160-acre pools or formations, the half section for 320-acre pools or formations or section for 640-acre pools or formations in which the non-standard unit is located and to such other persons as the division requires.

(4) **Special pool orders regulating or affecting a specific pool.**

(a) Except for non-standard proration unit applications, if the application involves changing the amount of acreage to be dedicated to a well, the applicant shall notify:

- (i) division-designated operators in the pool; and
- (ii) owners of interests in the mineral estate in existing spacing units with producing wells.

(b) If the application involves other matters, the applicant shall notify:

- (i) division-designated operators in the pool; and
- (ii) division-designated operators of wells within the same formation as the pool and within one mile of the pool's outer boundary that have not been assigned to another pool.

(5) Special orders regarding any division-designated potash area. The applicant shall notify potash lessees, oil and gas operators, oil and gas lessees and unleased mineral interest owners within the designated potash area.

(6) **Downhole commingling.** The applicant shall notify owners of interests in the mineral estate in the spacing unit if ownership is not common for commingled zones within the spacing unit.

(7) **Surface disposal of produced water or other fluids.** The applicant shall notify surface owners within one-half mile of the site.

(8) **Surface commingling.** The applicant shall give notice as Subsection C of 19.15.12.10 NMAC prescribes.

(9) **Adjudications not listed above.** The applicant shall give notice as the division requires.

B. Type and content of notice. The applicant shall send a notice 19.15.4.9 NMAC requires by certified mail, return receipt requested, to the last known address of the person to whom notice is to be given at least 20 days prior to the application's scheduled hearing date and shall include a copy of the application; the hearing's date, time and place; and ~~the means by which~~ how protests may be made. When an applicant has been unable to locate persons entitled to notice after exercising reasonable diligence, the applicant shall provide notice by publication, and submit proof of publication at the hearing. Such proof shall consist of a copy of a legal advertisement that was published at least 10 business days before the hearing in a newspaper of general circulation in the county or counties in which the property is located, or if the application's effect is statewide, in a newspaper of general circulation in this state, together with the newspaper's affidavit of publication.

C. At the hearing, the applicant shall make a record, either by testimony or affidavit, that the applicant or its authorized representative has signed, that the applicant has:

- (1) complied with notice provisions of 19.15.4.9 NMAC;
- (2) conducted a good-faith diligent effort to find the correct addresses of persons entitled to notice; and
- (3) given notice at that correct address as 19.15.4.9 NMAC requires; in addition, the record shall contain the name and address of each person to whom notice was sent and, where proof of receipt is available, a copy of the proof.

D. Evidence of failure to provide notice as 19.15.4.9 NMAC requires may, upon proper showing, be considered cause for reopening the case.

E. In the case of an administrative application where the required notice was sent and a timely filed protest was made, the division shall notify the applicant and the protesting party in writing that the case has been set for hearing and the hearing's date, time and place. No further notice is required.
[19.15.4.12 NMAC - Rp, 19.15.14.1210 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.14 Drilling Permits

This is an amendment to 19.15.14 NMAC, amending Sections 1 and 8, effective XX/XX/XXXX.

19.15.14.1 ISSUING AGENCY: [~~Energy, Minerals and Natural Resources Department, Oil Conservation Division~~] Oil Conservation Commission.
[19.15.14.1 NMAC - N, 12/1/2008; A, XX/XX/201X]

19.15.14.8 PERMIT TO DRILL, DEEPEN OR PLUG BACK:

A. Permit required. An operator is required to obtain a permit approved by the division prior to commencing drilling, deepening or re-entry operations, commencing an additional lateral, plugging a well back to a different pool, or completing or re-completing a well in an additional pool.

B. Mineral owner or lessee consent required.

(1) An operator shall not file an application for permit to drill nor commence drilling operations until the operator has either:

(a) received the consent of at least one lessee or owner of an unleased mineral interest at the proposed bottom hole location; or

(b) obtained a compulsory pooling order from the division.

(2) In addition, an operator filing an application for permit to drill a horizontal [~~or directional~~] well shall comply with Paragraph (5) of Subsection A of 19.15.16.15 NMAC.

[19.15.14.8 NMAC - Rp, 19.15.3.102 NMAC, 12/1/2008; A, 2/15/2012; A, 4/16/2012; A, XX/XX/201X]

19.15.15 Well Spacing, Location and Density

This is an amendment to 19.15.15 NMAC, Sections 1, 3, 11, 12, 13, 15 and 16, effective XX/XX/XXXX.

19.15.15.1 ISSUING AGENCY: ~~[Energy, Minerals and Natural Resources Department, Oil Conservation Division]~~ Oil Conservation Commission.

[19.15.15.1 NMAC - N, 12/1/2008; A, XX/XX/201X]

19.15.15.3 STATUTORY AUTHORITY: 19.15.15 NMAC is adopted pursuant to the Oil and Gas Act, ~~[NMSA 1978,]~~ Section 70-2-6, Section 70-2-11 and Section 70-2-12 NMSA 1978, which authorizes the division to establish well spacing.

[19.15.15.3 NMAC - N, 12/1/2008; A, XX/XX/201X]

19.15.15.11 ACREAGE ASSIGNMENT:

A. Well tests and classification. The operator of a wildcat or development gas well to which more than 40 acres has been dedicated shall conduct a potential test within 30 days following the well's completion and file the test with the division within 10 days following the test's completion. (See 19.15.19.8 NMAC)

(1) The completion date for a gas well is the date of the conclusion of active completion work on the well.

(2) If the division determines that a well should not be classified as a gas well, the division shall reduce the acreage dedicated to the well to the standard acreage for an oil well.

(3) The operator's failure to file the test within the specified time subjects the well to the acreage reduction.

B. Non-standard spacing units. An operator shall not produce a well that does not have the required amount of acreage dedicated to it for the pool or formation in which it is completed until the division has formed and dedicated a standard spacing unit for the well or approved a non-standard spacing unit.

(1) Division district offices may approve non-standard spacing units without notice when the unorthodox size or shape is necessitated by a variation in the legal subdivision of the United States public land surveys or consists of an entire governmental section, and the non-standard spacing unit is not less than seventy percent or more than one hundred-thirty percent of a standard spacing unit. The operator shall obtain division approval of form C-102 showing the proposed non-standard spacing unit and the acreage contained in the unit.

(2) The director may approve administratively an application for non-standard spacing units after notice and opportunity for hearing when the unorthodox size or shape is necessitated by a variation in the legal subdivision of the United States public land surveys or the following facts exist:

(a) the non-standard spacing unit consists of a single quarter-quarter section or lot or quarter-quarter sections or lots joined by a common side; and

(b) the non-standard spacing unit lies wholly within a single quarter section if the well is completed in a pool or formation for which 40, 80 or 160 acres is the standard spacing unit size; a single half section if the well is completed in a pool or formation for which 320 acres is the standard spacing unit size; or a single section if the well is completed in a pool or formation for which 640 acres is the standard spacing unit size.

(3) An operator shall file an application for administrative approval of a non-standard spacing ~~[units]~~ unit pursuant to Paragraph (2) of Subsection B of 19.15.15.11 NMAC or Paragraph (6) of Subsection A 19.15.16.15 NMAC, with the division's Santa Fe office that is accompanied by:

(a) a plat showing the spacing unit and an applicable standard spacing unit for that pool or formation, the proposed well dedications and all adjoining spacing units;

(b) a list of affected persons ~~[as defined in Paragraph (2) of Subsection A of 19.15.4.12 NMAC]~~ entitled to notice of the application; and

(c) a statement discussing the reasons for the formation of the non-standard spacing unit.

(4) The applicant shall submit a statement attesting that the applicant, on or before the date the applicant submitted the application to the division, notified the affected persons identified on the list described in Paragraph (3) of Subsection B of 19.15.15.11 NMAC by sending a copy of the application, including a copy of the plat described in Paragraph (3) of Subsection B of 19.15.15.11 NMAC, by certified mail, return receipt requested, advising them that if they have an objection they must file the objection in writing with the division within 20 days

from the date the division receives the application. The director may approve the application without hearing upon receipt of waivers from all the notified persons or if no person has filed an objection within the 20-day period.

(5) The director may set for hearing an application for administrative approval.

C. Exceptions to number of wells per spacing unit. The director may permit exceptions to 19.15.15 NMAC or special pool orders concerning the number of wells allowed per spacing unit only after notice and opportunity for hearing. An applicant for an exception shall notify all affected persons [~~defined in Paragraph (2) of Subsection A of 19.15.4.12 NMAC~~] in adjoining spacing units in the same pool or in adjoining tracts not included in such spacing units.

[19.15.15.11 NMAC - Rp, 19.15.3.104 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.15.12 SPECIAL RULES FOR MULTIPLE OPERATORS WITHIN A SPACING UNIT:

A. Allowable production. If an operator completes a well in an oil pool or proration gas pool, located within a proration unit containing an existing well or wells producing from that pool and operated by a different operator, unless all operators of wells producing from that proration unit agree, the allowable production from the newly completed well shall not exceed the difference between the allowable production for the proration unit and the actual production from the pool of the existing well or wells within the proration unit. The division may authorize exceptions to Subsection A of 19.15.15.12 NMAC after hearing following appropriate notice.

B. Notice requirements.

(1) An operator who intends to operate a well in a spacing or proration unit containing an existing well or wells operated by another operator shall, prior to filing the application for permit to drill, deepen or plug back for the well, furnish written notification of its intent to the operator of each existing well, and, if the unit includes state, federal or tribal minerals, to the state land office or BLM, as applicable; provided that separate notification to the BLM is not required if the operator will file the application with the BLM pursuant to 19.15.7.11 NMAC.

(2) The operator shall send the notices by certified mail, return receipt requested, and shall specify the proposed well's location and depth.

(3) The applicant shall submit with its application for permit to drill, deepen or plug back either

(a) a statement attesting that, at least 20 days before the date that the application was submitted to the division, the applicant sent notices to the designated parties, by certified mail, return receipt requested, advising them that if they have an objection they must deliver a written statement of objection to the proposing operator within 20 days of the date the operator mailed the notice, and that it has received no such objection; or

(b) written waivers from all persons required to be notified (the BLM's approval of the application being deemed equivalent to waiver by that agency); in event of objection, the division may approve the application only after hearing.

C. Transfer of wells. If an operator transfers operation of less than all [of] its wells located within a spacing or proration unit to another operator, and the spacing unit includes state, federal or tribal minerals, the operator shall, prior to filing form C-145 to effectuate the transfer, notify in writing the state land office or BLM, as applicable, of the transfer.

D. Compulsory pooled units. No provision of 19.15.15 NMAC authorizes the operation of a producing well within a unit described in an existing compulsory pooling order by an operator other than the operator designated in the order.

E. Federal or state exploratory units. No provision of 19.15.15 NMAC authorizes a producing well's operation within a federal exploratory unit or state exploratory unit by an operator other than the unit's designated operator except as provided by BLM regulations or state land office rules applicable to the unit. [19.15.15.12 NMAC - Rp, 19.15.3.104 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.15.13 UNORTHODOX LOCATIONS:

A. Well locations within a secondary recovery, tertiary recovery or pressure maintenance project for producing wells or injection wells that are unorthodox based on 19.15.15.9 NMAC's requirements and are necessary for an efficient production and injection pattern are authorized, provided that the unorthodox location within the project is no closer than the required minimum distance to the outer boundary of the lease or unitized area, and no closer than 10 feet to a quarter-quarter section line or subdivision inner boundary. These locations only require such prior approvals as are necessary for an orthodox location.

B. The director may grant an exception to the well location requirements of 19.15.15.9 NMAC and

19.15.15.10 NMAC or special pool orders after notice and opportunity for hearing when the exception is necessary to prevent waste or protect correlative rights.

C. The operator shall submit applications for administrative approval pursuant to Subsection B of 19.15.15.13 NMAC to the division's Santa Fe office accompanied by a plat showing the spacing unit, the proposed unorthodox well location and the adjoining spacing units and wells; a list of affected persons [~~as defined in Paragraph (2) of Subsection A of 19.15.4.12 NMAC~~] entitled to notice pursuant to Paragraph (2) of Subsection A of 19.15.4.12 NMAC; and information evidencing the need for the exception. The division shall give notice as required in 19.15.4.9 NMAC and the operator shall give notice as required by Paragraph (2) of Subsection A of 19.15.4.12 NMAC.

D. The applicant shall submit a statement attesting that the applicant, on or before the date that the applicant submitted the application to the division, sent notification to the affected persons by furnishing a copy of the application, including a copy of the plat described in Subsection C of 19.15.15.13 NMAC, by certified mail, return receipt requested, advising them that if they have an objection they shall file it in writing with the division within 20 days from the date the division receives the application. The director may approve the unorthodox location upon receipt of waivers from all the affected persons or if no affected person has filed an objection within the 20-day period.

E. The director may set for hearing an application for administrative approval of an unorthodox location.

F. Whenever the division approves an unorthodox location, it may order any action necessary to offset an advantage of the unorthodox location.

[19.15.15.13 NMAC - Rp, 19.15.3.104 NMAC, 12/1/2008; XX/XX/201X]

19.15.15.15 DIVISION-INITIATED EXCEPTIONS: [~~In order to~~] To prevent waste, the division may, after hearing, set different spacing requirements and require different acreage for drilling tracts in a defined oil or gas pool.

[19.15.15.15 NMAC - Rp, 19.15.3.104 NMAC, 12/1/2008; XX/XX/201X]

19.15.15.16 POOLING OR COMMUNITIZATION OF SMALL OIL LOTS:

A. The division may approve the pooling or communitization of fractional oil lots of 20.49 acres or less with a contiguous oil spacing unit when the ownership is common and the tracts are part of the same lease with the same royalty interests if the following requirements are satisfied:

(1) the operator [~~submits an application for administrative approval~~] applies to the division's Santa Fe office for administrative approval with an application accompanied by:

(a) a plat showing the dimensions and acreage involved, the acreage's ownership, the location of existing and proposed wells and adjoining spacing units;

(b) a list of affected persons [~~as defined in Paragraph (2) of Subsection A of 19.15.4.12 NMAC~~] in the oil lots and the contiguous spacing unit to be pooled or communitized; and

(c) a statement discussing the reasons for the pooling or communitization; and

(2) the applicant submits a statement attesting that the applicant, on or before the date the applicant submitted the application to the division, sent notification to the affected persons by submitting a copy of the application, including a copy of the plat described in Paragraph (1) of Subsection A of 19.15.15.16 NMAC, by certified mail, return receipt requested, advising them that if they have an objection they must file it in writing with the division within 20 days from the date the division receives the application.

B. The director may approve the application upon receipt of waivers from all the notified persons or if no person has filed an objection within the 20-day period.

C. The director may set for hearing an application for administrative approval.

D. The division may consider the common ownership and common lease requirements met if the applicant furnishes with the application a copy of an executed pooling agreement communitizing the tracts involved.

[19.15.15.16 NMAC - Rp, 19.15.3.104 NMAC, 12/1/2008; XX/XX/201X]

19.15.16 Drilling and Production

This is an amendment to 19.15.16 NMAC, amending Sections 1, 3, 7, 14, 15 and 20 effective XX/XX/XXXX.

19.15.16.1 ISSUING AGENCY: [~~Energy, Minerals and Natural Resources Department, Oil Conservation Division~~] Oil Conservation Commission.
[19.15.16.1 NMAC - Rp, 19.15.3.1 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.16.3 STATUTORY AUTHORITY: 19.15.16 NMAC is adopted pursuant to the Oil and Gas Act, [~~NMSA 1978,~~] Section 70-2-6, Section 70-2-11 and Section 70-2-12 NMSA 1978.
[19.15.16.3 NMAC - Rp, 19.15.3.3 NMAC, 12/1/2008; A, XX/XX/201X]

19.15.16.7 DEFINITIONS: These definitions apply specifically to 19.15.16 NMAC. For additional definitions that may apply see 19.15.2 NMAC.

A. “**Azimuth**” means the deviation in the horizontal plane of a well bore expressed in terms of compass degrees.

B. “**Completed interval**” means that portion of a well bore or lateral that is:

- (1) cased, cemented and perforated;
- (2) an open hole; or
- (3) isolated by a packer or other non-permeable means and open to the formation.

C. “**Deviated well**” means a well bore that is intentionally deviated from vertical but not with an intentional azimuth.

D. “**Directional well**” means a well bore that is intentionally deviated from vertical with an intentional azimuth but is not a horizontal well.

E. “**First take point**” means the shallowest measured depth of the well bore, where the completed interval starts.

F. “Horizontal spacing unit” means the spacing unit dedicated to a horizontal well.

~~[E.]~~ G. “Horizontal well” means a ~~[directional]~~ well bore with one or more laterals that extend a minimum of 100 feet ~~[horizontally]~~ laterally in the target zone. A well with multiple laterals from a common well bore in the same or different target zones or formations shall be considered one well.

H. “Infill horizontal well” means a horizontal well the completed interval or intervals of which are located wholly within the horizontal spacing unit dedicated to a previously drilled horizontal well completed in the same pool and that the operator designates as an infill horizontal well on form C-102.

~~[F.]~~ I. “Kick-off point” means the point at which a directional or horizontal well is intentionally deviated from the vertical, or, in the case of a multi-lateral well, a separate lateral is intentionally diverted from the vertical portion of the well bore.

J. “Last take point” means the deepest measured depth of the well bore, where the completed interval ends.

~~[G.]~~ K. “Lateral” means ~~[a]~~ the portion of a directional or horizontal well past the point where the well bore has been intentionally ~~[deviated]~~ diverted from the vertical, or, in the case of a multi-lateral well, the point at which a particular lateral has been intentionally diverted from the vertical portion of the well bore.

L. “Multi-lateral well” means a horizontal well with multiple laterals from a common well bore in the same or different target zones or formations.

~~[—H.— “Non-standard project area” means a project area that is not a standard project area.]~~

~~[I.]~~ M. “Open hole” means that portion of a well bore or lateral that is:

- (1) not cased, or
- (2) cased, but the casing is not cemented in place, and is not otherwise isolated from the formation.

~~[— J. — “Penetration point” means the beginning of the completed interval of a horizontal or other directional well or lateral.~~

~~— K. — “Producing area” means the portion of a project area that lies within a window formed by plotting the measured distance from the project area’s outer boundaries, inside of which a well bore can be drilled and produced in conformity with the setback requirements from the outer boundary of a standard spacing unit for the applicable pool.~~

~~— L. — “Project area” means an area the operator designates on form C 102, well location and acreage dedication plat that comprises;~~

~~— (1) — one or more complete, contiguous spacing units (in one section or in more than one section) that are developed by the horizontal well; or~~

~~— (2) — an entire voluntary or statutory unit for an approved enhanced recovery or pressure maintenance project, an approved state exploratory unit, or a participating area in a federal unit.~~

~~— M. — “Standard project area” means a project area that;~~

~~— (1) — is described in Paragraph (2) of Subsection L of 19.15.16.7 NMAC;~~

~~— (2) — consists of a single spacing unit;~~

~~— (3) — consists of two or more spacing units within a single section that collectively comprise:~~

~~— (a) — the entire section, a half section or half section equivalent, or a quarter section or quarter section equivalent; or~~

~~— (b) — the north, south, east or west half of a half section or half section equivalent or of a quarter section or quarter section equivalent; or~~

~~— (4) — consists of a combination of two or more otherwise standard project areas, if the resulting area is substantially in the form of a rectangle; provided that a project area consisting of three 40-acre units within a single section and excluding the fourth spacing unit is not a standard project area.]~~

N. “Terminus” means the farthest point [attained] drilled along the well bore or lateral.

O. “Tract” means a legal subdivision of the United States public survey substantially in the form of a square or rectangle.

P. “Unitized Area” means any area where ownership of production from the relevant pool or formation is consolidated pursuant to an agreement, whether voluntary and filed in the county land records, or approved by federal or state authority, including but not limited to a statutory unit, an approved enhanced recovery unit, a participating area in a federal exploratory unit, a federal unit which

does not provide for participating areas, a state exploratory unit or a communitized unit if all interests in the communitized unit are committed to the communitization agreement.

[~~Q.~~] **Q.** “Vertical well” means a well that does not have an intentional departure or course deviation from the vertical.

[19.15.16.7 NMAC - Rp, 19.15.3.111 NMAC, 12/1/2008; A, 2/15/2012; A, XX/XX/201X]

19.15.16.14 [DEVIATION TESTS; DEVIATED, DIRECTIONAL AND HORIZONTAL WELLS] DEVIATION TESTS AND WELLBORE SURVEYS; VERTICAL, DEVIATED AND DIRECTIONAL WELLS:

[~~— A. —~~ **Deviated well bores.**

~~— (1) —~~ **Deviation tests required.** An operator shall test a vertical or deviated well that is drilled or deepened at reasonably frequent intervals to determine the deviation from the vertical. The operator shall make the tests at least once each 500 feet or at the first bit change succeeding 500 feet. The operator shall file with the division a tabulation of deviation tests run, that is sworn to and notarized, with form C-104.

~~— (2) —~~ **Excessive deviation.** When the deviation averages more than five degrees in a 500 foot interval, the operator shall include the calculations of the hole’s maximum possible horizontal displacement. When the maximum possible horizontal displacement exceeds the distance to the appropriate unit’s nearest outer boundary line the operator shall run a directional survey to establish the location of the producing interval or intervals.

~~— (3) —~~ **Unorthodox locations.** If the results of the directional survey indicate that the producing interval is more than 50 feet from the approved surface location and closer than the minimum setback requirements to the applicable unit’s outer boundaries, then the well is considered unorthodox. To obtain authority to produce the well, the operator shall file an application with the director with a copy to the appropriate division district office, and shall otherwise follow the normal process outlined in Subsection C of 19.15.15.13 NMAC to obtain approval of the unorthodox location.

~~— (4) —~~ **Directional survey requirements.** Upon the director’s request, the operator shall directionally survey a vertical or deviated well. The operator shall notify the appropriate division district office of the approximate time the operator will conduct the directional survey. The operator shall file directional surveys run on a well with the division upon the well’s completion. The division shall not assign an allowable to the well until the operator has filed the directional surveys.

~~—————~~ **B. Directional or horizontal well bores.**

~~—————~~ **(1) Directional drilling within a project area.** The appropriate division district office may grant a permit to directionally drill a well bore if the producing interval is entirely within the producing area or at an unorthodox location the division previously approved. Additionally, if the project area consists of a combination of drilling units and includes state, federal or tribal lands, the operator shall send a copy of form C 102 to the state land office or the BLM, as applicable.

~~—————~~ **(2) Unorthodox locations.** If all or part of a directional well bore's completed interval is projected to be outside of the producing area, or if any portion of a directional well bore's completed interval, as drilled, is located more than 50 feet from its projected location as indicated on form C 102 filed with the application for permit to drill the well and is outside of the producing area, the well's location is considered unorthodox. To obtain approval for the well's location, the operator shall file a written application in the Santa Fe office of the division in accordance with Subsection C of 19.15.15.13 NMAC.

~~—————~~ **(3) Allowables for project areas with multiple proration units.** The division shall assign to a project area within a prorated pool an allowable equal to the applicable unit allowable for the pool multiplied by the number of standard spacing units or approved non-standard spacing units that a horizontal well's or lateral's completed interval develops. If a project area includes a spacing unit or smaller project area dedicated to an existing well bore, unless the operators of all wells in the project area otherwise agree, the project area's allowable shall be computed by deducting the actual production from the existing well bore or well bores from the total allowable for the project area not to exceed the existing allowable for the well bore or well bores.

~~—————~~ **(4) Directional surveys required.** An operator shall run a directional survey on each well drilled pursuant to Subsection B of 19.15.16.14 NMAC. The operator shall notify the appropriate division district office of the approximate time the operator will conduct the directional survey. The operator shall file a directional survey run on a well with the division upon the well's completion. The division shall not assign an allowable to the well until the operator files the directional survey. If the directional survey indicates that part of the producing interval is outside of the producing area, or, in the case of an approved unorthodox location, less than the approved setback requirements from the applicable unit's outer boundary, then the operator shall file an application with the director with a copy to the appropriate division district office and shall otherwise follow the normal process outlined in Subsection C of 19.15.15.13 NMAC to obtain approval of the unorthodox location.

~~_____ (5) **Re-entry of vertical or deviated well bores for directional drilling projects.** These well bores are considered orthodox provided the surface location is orthodox and the producing interval's location is within the tolerance allowed for deviated well bores under Paragraph (3) of Subsection A of 19.15.16.14 NMAC.~~

~~_____ C. **Additional matters.**~~

~~_____ (1) Directional surveys that 19.15.16.14 NMAC requires shall have shot points no more than 200 feet apart and shall be run by competent surveying companies that are approved by the director. The division shall allow exceptions to the minimum shot point spacing provided the survey's accuracy is still within acceptable limits.~~

~~_____ (2) The director may set an application for administrative approval whereby the operator shall submit appropriate information and give notice as the director requests. The division may approve un-protested applications administratively within 20 days after the division receives the application and supporting information. If the application is protested, or the director decides that a hearing is appropriate, the division may set the application for hearing.~~

~~_____ (3) The division shall grant permission to deviate or directionally drill a well bore for any reason or in a manner not provided for in 19.15.16.14 NMAC only after notice and opportunity for hearing.]~~

A. **Vertical and deviated well bores.**

(1) **Deviation tests required.** An operator shall test a vertical or deviated well that is drilled or deepened at reasonably frequent intervals to determine the deviation from the vertical. The operator shall make the tests at least once each 500 feet or at the first bit change succeeding 500 feet. The operator shall file with the division along with its form C-104 a tabulation of deviation tests run, that is sworn to and notarized.

(2) **Excessive deviation.** When the deviation averages more than five degrees in a 500-foot interval, the operator shall include the calculations of the hole's maximum possible horizontal displacement. When the maximum possible horizontal displacement exceeds the distance to the appropriate unit's nearest outer boundary line the operator shall run a directional survey to establish the location of the well's completed interval.

(3) **Unorthodox well locations.** If the results of the directional survey of a vertical or deviated well indicate that the completed interval is more than 50 feet from the approved surface location and closer than the minimum

setback requirements to the applicable unit's outer boundary, then the well is considered unorthodox. To obtain authority to produce the well, the operator shall file an application with the division's Santa Fe office, and shall follow the process outlined in Subsection C of 19.15.15.13 NMAC to obtain approval of the unorthodox well location.

(4) **Directional survey requirements.** Upon the director's request, the operator shall directionally survey a vertical or deviated well. The operator shall file directional surveys run on a well, in division-approved format, with the division upon the well's completion. The division shall not approve a form C-104 for the well until the operator has filed the directional surveys.

B. Directional well bores.

(1) **Directional drilling.** The appropriate division district office may grant a permit to directionally drill a well bore if every point of the completed interval is projected to be located at a distance greater than or equal to the minimum setback distance from the applicable spacing unit's outer boundaries or at an unorthodox well location the division previously approved.

(2) **Unorthodox well locations.** If all or part of a directional well's completed interval is projected to be located less than the minimum distance from the outer boundary of the well's spacing unit, the well's location is considered unorthodox. To obtain approval for the well's location, the operator shall file an application in the division's Santa Fe office in accordance with Subsection C of 19.15.15.13 NMAC.

(3) **Directional surveys required.** An operator shall run a directional survey on each well drilled pursuant to Subsection B of 19.15.16.14 NMAC. The operator shall file a directional survey, in division-approved format, with the division upon the well's completion. The division shall not approve a form C-104 for the well until the operator files the directional survey. The well's location will be considered unorthodox if the directional survey indicates that part of well's completed interval, as drilled, is located more than 50 feet from its projected location and closer to an outer boundary of the spacing unit than applicable minimum setback distance. For previously approved unorthodox well locations, the well's as-drilled location is unorthodox if the directional survey indicates that any part of the completed interval is located more than 50 feet (or, if less, twenty-five percent of the previously authorized distance) closer to the outer boundary of the spacing unit than the approved location.

C. Directional survey specifications. Directional surveys that 19.15.16.14 NMAC requires shall have shot points no more than 200 feet apart and shall be run by competent surveying companies. The division shall allow exceptions to the minimum shot point spacing provided the survey's accuracy is still within acceptable limits.

[19.15.16.14 NMAC - Rp, 19.15.3.111 NMAC, 12/1/2008; A, 2/15/2012; A, XX/XX/201X]

19.15.16.15 [SPECIAL RULES FOR] HORIZONTAL WELLS:

~~[A. Directional and horizontal well consent requirement. An operator shall not file an application for permit to drill nor commence drilling of a horizontal or directional well until the operator has either:~~

~~————— (1) ——— received the consent of at least one lessee or owner of an unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located; or~~

~~————— (2) ——— obtained a compulsory pooling order from the division.~~

~~B. Setbacks.~~

~~————— (1) ——— Horizontal wells drilled in project areas as defined in Subsection L of 19.15.16.7 NMAC shall have setbacks from the outer boundaries of the project area the same as if the well were drilled in a single spacing unit for the pool.~~

~~————— (2) ——— Subject to the provisions of Paragraph (2) of Subsection B of 19.15.16.14 NMAC, every point of the completed interval must meet the minimum setback requirement from the outer boundaries of the project area, or an exception must be approved for a non-standard location.~~

~~————— (3) ——— No internal setbacks are required within the project area.~~

~~————— (4) ——— A horizontal well's surface location may be outside the setbacks or outside the project area provided, that the completed interval is entirely within the project area and complies with the applicable setback requirements.~~

~~C. Existing and subsequent wells in project areas.~~

~~————— (1) ——— Existing wells in spacing units or project areas that are included in a newly designated project area remain dedicated to their existing spacing units or project areas and are not part of the new project area unless otherwise agreed by all working interest owners in the existing and newly designated project areas.~~

~~————— (2) ——— Subject to the terms of any applicable joint operating agreement, subsequent wells with a completed interval in a horizontal well's project area may be drilled only with the approval of all working interest owners in~~

the project area, or by order of the division after notice to all working interest owners in the project area and opportunity for hearing.

~~———— D. ——— Pool rules. Provision of statewide rules or special pool orders in effect on February 15, 2012 that limit the number of wells that may simultaneously produce from the portion of a pool or area underlying a spacing unit, or a particular portion of spacing unit, do not apply to horizontal wells. Without limitation of any other right or remedy, an owner or operator of a tract in the same pool as a project area, that is not included in the project area, who contends that a horizontal well in the project area is impairing, or will impair, the owner's or operator's correlative rights may file an application with the division. The division, after notice and hearing, may grant such relief as it determines to be necessary and appropriate, including, but not limited to, imposing a limitation on the rate or amount of production from the project area.~~

~~———— E. ——— Formation of project areas.~~

~~———— (1) ——— Except as provided in Paragraphs (2) and (3) of Subsection E of 19.15.16.15 NMAC, a project area may be formed by filing a form C-102 designating the proposed project area, and simultaneously mailing or delivering a copy thereof to the New Mexico state land office if the proposed project area includes state trust lands.~~

~~———— (2) ——— Before designating a non-standard project area, the operator shall give 20 days notice by certified mail, return receipt requested, to affected persons, as defined in Subparagraph (a) of Paragraph (2) of Subsection A of 19.15.4.12 NMAC, in all spacing units that:~~

~~———— (a) ——— are excluded from the project area, if the project area would be a standard project area except for the exclusion of one spacing unit; or~~

~~———— (b) ——— adjoin the project area, in all other cases.~~

~~———— (3) ——— The notice shall state that the affected persons may protest the designation of a non-standard project area by mailing a protest to the operator within 20 days after mailing of notice as provided in Paragraph (2) of Subsection E of 19.15.16.15 NMAC. Within seven business days after receiving a protest of the proposed non-standard project area, the operator shall notify the division of the protest, and the division shall set the matter for hearing. Unless otherwise authorized by the division, the operator shall not commence drilling in the proposed non-standard project area until the protest has been determined by division order.~~

~~———— (4) ——— No project area may be designated that lies partly within, and partly outside of, a state exploratory unit, or a federal exploratory unit or participating area if the project area includes state trust lands, without the written consent of the commissioner of public lands.~~

~~—— F. — Consolidation of project area. If a horizontal well is dedicated to a project area in which there is more than one owner of any interest in the mineral estate, the operator of the horizontal well shall cause the project area to be consolidated by voluntary agreement or, if applicable, compulsory pooling before the division may approve a request for form C 104 for the horizontal well.]~~

A. Well spacing.

(1) Standard horizontal spacing units for horizontal oil wells.

In lieu of an oil spacing unit described in Subsection A of 19.15.15.9 NMAC, the operator shall dedicate to each horizontal oil well a standard horizontal spacing unit that meets the following criteria.

(a) The horizontal spacing unit shall comprise one or more contiguous tracts that the horizontal oil well's completed interval penetrates, each of which consists of a governmental quarter-quarter section or equivalent.

(b) In addition to tracts the horizontal oil well penetrates, the operator may include quarter-quarter sections or equivalent tracts in the standard horizontal spacing unit that are located within 330 feet of the proposed horizontal oil well's completed interval (measured along a line perpendicular to the proposed completed interval or its tangent).

(c) If, however, the perimeter of the area that includes all the tracts that the horizontal oil well penetrates encloses an area that is substantially rectangular, then the operator may not bring in additional tracts that would result in a non-rectangular horizontal spacing unit.

(d) A standard horizontal spacing unit that is rectangular and includes three quarter-quarter sections, or equivalent tracts, in the same section shall not exclude the fourth such tract in the same section unless that tract is already dedicated to a horizontal spacing unit for an existing or permitted horizontal oil well completed or to be completed in the same pool or formation.

(e) The horizontal spacing unit shall contain at least the minimum acreage required by existing or subsequently adopted special pool orders for a spacing unit in any pool where all or part of the horizontal oil well's completed interval is located.

(2) Exception for pools with larger spacing. If the horizontal oil well is located entirely or partially in a pool for which existing or subsequently adopted special pool orders prescribe oil spacing units larger than 40 acres, then the horizontal spacing unit may, as an alternative to quarter-quarter sections, comprise one or more tracts of the size and configuration so prescribed, provided that the standard horizontal spacing unit shall include only such tracts that are oriented in the same direction. If a horizontal oil well's completed interval is located within two or more pools for the same formation, and the operator elects to construct a standard horizontal spacing unit utilizing tracts of the size and configuration prescribed by special pool orders, the operator shall use tracts of the maximum tract size prescribed for any of the included pools.

(3) Standard horizontal spacing units for horizontal gas wells. In lieu of a gas spacing unit described in 19.15.15.10 NMAC, the operator shall dedicate to each horizontal gas well a standard horizontal spacing unit that meets all the following criteria:

(a) The horizontal spacing unit shall comprise one or more contiguous tracts that the horizontal gas well's completed interval penetrates, each of which consists of a governmental quarter section or equivalent.

(b) In addition to tracts the well penetrates, the operator may include quarter sections or equivalent tracts in the standard horizontal spacing unit that are located within 330 feet of the proposed horizontal gas well's completed interval (measured along a line perpendicular to the proposed completed interval or its tangent).

(c) If, however, the of the perimeter of the area that includes all the tracts that the horizontal gas well penetrates encloses an area that is substantially rectangular, then the operator may not bring in additional tracts that would result in a non-rectangular horizontal spacing unit.

(d) The horizontal spacing unit shall contain at least the minimum acreage required by 19.15.15.10 NMAC or by existing or subsequently adopted special pool orders for a spacing unit in any pool where all or part of the horizontal gas well's completed interval is located.

(4) Exception for pools with larger spacing. If the horizontal gas well is located entirely or partially in an area or pool for which 19.15.15.10 NMAC or existing or subsequently adopted special pool orders prescribe gas spacing units

larger than 160 acres, then the horizontal spacing unit may, as an alternative to quarter sections, comprise one or more tracts of the size and configuration so prescribed, provided that the standard horizontal spacing unit shall include only such tracts that are oriented in the same direction. If a horizontal gas well's completed interval is located within two or more pools for the same formation, and the operator elects to construct a standard horizontal spacing unit utilizing tracts of the size and configurations prescribed by 19.15.15.10 NMAC or special pool orders, the operator shall use the maximum tract size prescribed for any of the included pools or.

(5) An operator shall not file an application for permit to drill nor commence the drilling of a horizontal oil or gas well until the operator has either:

(a) received the consent of at least one lessee or owner of each tract (in the target pool or formation) in which any part of the horizontal oil or gas well's completed interval will be located; or

(b) obtained a compulsory pooling order from the division for an appropriate horizontal spacing unit.

(6) Non-standard horizontal spacing units.

(a) Administrative approval. The division may approve non-standard horizontal spacing units for horizontal oil or gas wells after notice and opportunity for hearing, if necessary to prevent waste or protect correlative rights, in accordance with the procedures provided for director approval of non-standard spacing units in Paragraphs (2) through (5) of Subsection B of 19.15.15.11 NMAC.

(b) Notice. The operator shall give notice of any application for approval of a non-standard horizontal spacing unit, by certified mail, return receipt requested, to affected persons in all tracts that:

(i) are excluded from the horizontal spacing unit, if the horizontal spacing unit would be a standard horizontal spacing unit except for the exclusion of such tracts; or

(ii) adjoin the non-standard horizontal spacing unit, in all other cases.

(c) **Form of notice.** The notice shall comply with Paragraph (4) of Subsection B of 19.15.15.11 NMAC.

(d) Unless otherwise authorized by the division, the operator shall not commence drilling in the proposed non-standard spacing unit until the division issues a final order granting the application.

(7) **State, federal or tribal lands.** If the horizontal spacing unit includes state, federal or tribal minerals, the operator shall send a copy of form C-102 to the state land office or the BLM, as applicable. No horizontal spacing unit may be designated that lies partly within, and partly outside of, a state exploratory unit, or a federal exploratory unit or participating area if the horizontal spacing unit includes state trust lands, without the written consent of the commissioner of public lands.

(8) Except for infill horizontal wells, and multi-lateral horizontal wells, each horizontal well shall be dedicated to a standard horizontal spacing unit or an approved non-standard horizontal spacing unit.

(9) **Multi-lateral horizontal wells.**

(a) Multiple laterals in the same pool or formation and oriented such that the completed interval of each lateral is located entirely within the boundaries of an existing horizontal spacing unit may be dedicated to the same horizontal spacing unit.

(b) Except as provided in Subparagraph (a) of Paragraph (9) of Subsection A of 19.15.16.15 NMAC, the operator of a multi-lateral horizontal well shall dedicate a separate horizontal spacing unit to each lateral.

(c) The division may grant exceptions to the requirements of Subparagraphs (a) and (b) of Paragraph (9) of Subsection A of 19.15.16.15 NMAC pursuant to Paragraph (6) of Subsection A of 19.15.16.15 NMAC.

(10) **Unitized areas.**

(a) For a horizontal well the completed interval of which is located wholly within in a unitized area or a single lease or tract with uniform ownership as to all oil and gas mineral interests in the objective formation, the horizontal spacing unit configuration requirements of Subparagraphs (c) and (d) of

Paragraph (1), and Subparagraph (c) Paragraph (2), of Subsection A of 19.15.16.15 NMAC do not apply.

(b) For purposes of Paragraph (10) of Subsection A of 19.16.15 NMAC, a tract including all or part of two or more federal leases but not included in a federal unit or communitized unit shall not constitute a tract with uniform ownership.

(11) Existing and subsequent wells in horizontal spacing units.

(a) Existing wells. Existing wells in spacing units, horizontal or otherwise, that are wholly or partially included in a new horizontal spacing unit remain dedicated to their existing spacing units and are not part of the new horizontal spacing unit unless otherwise agreed by all working interest owners in the existing and new spacing units. If all owners (and BLM or state land office, if federal or state minerals are included, and the appropriate governmental authority if tribal minerals are included, in the old or new spacing unit) agree to re-dedicate the existing well to the new horizontal spacing unit, the operator shall file an amended form C-102 reflecting the re-dedication, and shall attach a certificate to the effect that all owners have agreed in writing thereto.

(b) Subsequent wells in existing spacing units. Subject to the terms of any applicable operating agreement, or to 19.15.13 NMAC or any applicable compulsory pooling order as to any compulsory pooled interests:

(i) any subsequent well, horizontal or otherwise, that will have a completed interval partially in an existing well's spacing unit, and in the same pool or formation, may be drilled only with the approval of, or, in the absence of approval, pursuant to a division order after notice to, all operators and working interest owners in the existing and new well's spacing units;

(ii) a horizontal well with a completed interval located wholly within an existing well's horizontal spacing unit, if not designated as an infill horizontal well, may be drilled only with the approval of, or, in the absence of approval, pursuant to a division order after notice to, all operators and working interest owners in the existing and new well's spacing units;
and

(c) The provisions of 19.15.13.10 NMAC and 19.15.13.11 NMAC shall apply to any proposal to drill an infill horizontal well in a horizontal

spacing unit subject to a compulsory pooling order unless the order includes specific provision for such additional well.

(e) The provisions of Subsection B of 19.15.15.12 NMAC shall apply to notices required to non-consenting owners pursuant to Items (i) or (ii) of Subparagraph (b) of Paragraph (11) of Subsection A of 19.15.16.15 NMAC.

(12) Pooling of horizontal spacing units. Whenever the operator of any horizontal well shall dedicate thereto lands comprising a standard or approved non-standard horizontal spacing unit in which there are two or more separately owned parcels of land, or royalty interests or undivided interests in oil or gas minerals which are separately owned, or any combination thereof, that have not been previously pooled for oil and gas production from the horizontal spacing unit, the operator shall obtain voluntary agreements pooling said lands or interests or an order of the division pooling said lands before producing the horizontal well.

(13) Protests. Without limitation of any other right or remedy, an owner of a tract that adjoins a proposed or existing horizontal spacing unit but is not included therein who contends that a horizontal well in the adjoining horizontal spacing unit is impairing, or will impair, the owner's correlative rights may file a protest with the division. The division, after notice and hearing, may grant such relief as it determines to be necessary and appropriate, including, but not limited to, imposing a limitation on the rate or amount of production from the adjoining horizontal spacing unit.

B. Setbacks.

(1) Generally. The following setback distances shall apply to each horizontal well:

(a) The distance in the horizontal plane from any point in the completed interval to any outer boundary of the horizontal spacing unit, measured along a line perpendicular to the completed interval or to the tangent thereof, shall be a minimum of 330 feet for an oil well or 660 feet for a gas well.

(b) The first and last take point of a horizontal well shall be no closer than 100 feet for an oil well or 330 feet for a gas well, in the horizontal plane, to any outer boundary of the horizontal spacing unit.

(2) **District office to approve.** The appropriate division district office may grant a permit for a horizontal well provided every point in the well's completed interval complies with the setback requirements described above, or is located at an unorthodox well location the division has approved.

(3) **Surface location.** A horizontal well's surface location may be farther from the horizontal spacing unit boundaries than the applicable minimum setback or outside the boundaries of the horizontal spacing unit, provided the completed interval is located at an orthodox, or division-approved unorthodox, well location within the horizontal spacing unit.

(4) **Internal setbacks.** No internal setbacks are applicable within the horizontal spacing unit.

(5) **Unorthodox well locations.** The horizontal well's location is considered unorthodox if:

(a) any part of the horizontal well's completed interval is projected to be closer to an outer boundary of the horizontal spacing unit than allowed by Paragraph (1) of Subsection B of 19.15.16.15 NMAC, or other applicable rule or special pool order;

(b) a directional survey shows that the horizontal well's first or last take point, as drilled, is located closer to the outer boundary of the horizontal spacing unit than allowed by Subparagraph (b) of Paragraph (1) of Subsection B of 19.15.16.15 NMAC; or

(c) a directional survey shows that any part of the horizontal well's completed interval, as drilled, is more than 50 feet from its projected location and closer to the outer boundary of the horizontal spacing unit than allowed by Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.16.15 NMAC or other applicable rule or special pool order.

(6) **Approval of variances.** If any variance of the horizontal well's as-drilled location from the horizontal well's projected location is 50 feet or less, the division's district office may approve the as-drilled location by approving the operator's amended form C-102, without necessity for notice or hearing. If the horizontal well's projected location was orthodox, the variance is more than 50 feet, and the as-drilled location is unorthodox, the operator shall obtain approval from the division's Santa Fe office of the unorthodox well location before

producing the well. For previously approved unorthodox well locations, if a directional survey shows that any part of the completed interval is located more than 50 feet (or, if less, twenty-five percent of the previously authorized distance) closer to the outer boundary of the horizontal spacing unit than the approved location, the operator shall obtain approval from the division's Santa Fe office of the as-drilled location before producing the horizontal well.

(7) **Unitized areas.** For a horizontal well the completed interval of which is located wholly within in a unitized area or a single lease or tract with uniform ownership as to all oil and gas mineral interests in the objective formation, the setbacks prescribed in Subsection B of 19.15.16.15 NMAC apply only to the outer boundaries of the unitized area, area of uniform ownership or of any uncommitted tract or partially committed tract, instead of the outer boundaries of the horizontal spacing unit.

C. Allowables.

(1) **Oil allowables and gas-oil ratios.** The division shall assign to a horizontal oil well in an oil pool an oil allowable equal to the amount of oil that the horizontal oil well can produce. If any non-marginal proration unit exists in the same pool as a horizontal oil well, the division shall assign to each oil well located in the unit an allowable equal to its productive capacity unless the division determines, after notice and hearing, that a reduced allowable must be assigned to the non-marginal unit to prevent waste. Production of gas or oil from any horizontal oil well shall not be limited by a limiting gas-oil ratio as provided in Subsection A of 19.15.20.13 NMAC.

(2) **Gas allowables.** The division shall assign to a horizontal gas well completed in a prorated gas pool an allowable equal to the amount of gas the horizontal gas well can produce. If any non-marginal gas proration unit exists in the same pool as a horizontal gas well, the division shall assign a top proration unit allowable for gas to such unit that is equal to the amount of gas than the unit can produce.

(3) **Effective dates.** Paragraphs (1) and (2) of Subsection C of 19.15.16.15 NMAC shall apply to all pools and areas of the state commencing on the first day of the first month after [date of adoption], but shall cease to apply to any particular pool on the date of any order, hereafter issued following notice and hearing, whereby the division or commission determines that reduced allowables for such pool are necessary to prevent waste.

D. Other matters.

(1) Directional survey requirements. The operator of each horizontal well shall run a directional survey and file the directional survey, in a division-approved format, upon the well's completion. Directional surveys shall have shot points no more than 200 feet apart and shall be run by competent surveying companies. The division shall allow exceptions to the minimum shot point spacing provided the survey's accuracy is still within acceptable limits.

(2) Downhole commingling.

(a) Pools or laterals in the same formation. Provisions of 19.15.12.11 NMAC requiring approval for downhole commingling do not apply to commingling of oil or gas within a single lateral of a horizontal well bore that is produced from adjacent pools within the same formation, or from multiple laterals of a single well bore that are completed in the same pool or formation and dedicated to the same horizontal spacing unit.

(b) Other multi-lateral wells. Except as provided in Subparagraph (a) of Paragraph (2) of Subsection D of 19.15.16.15 NMAC, horizontal wells with multiple laterals shall only be produced pursuant to division-approved downhole commingling authority obtained pursuant to 19.15.12.11 NMAC, unless pool segregation is maintained until the fluids reach the wellhead.

(3) Conflicts with existing rules or special pool orders. Provisions of statewide rules or special pool rules in effect on February 1, 2017, save and except the special provisions for the Purple Sage; Wolfcamp (Gas) Pool in ordering paragraphs (1) through (7) of division order R-14262, that conflict with any of any provisions in 19.15.16.15 NMAC do not apply to horizontal wells. Special pool orders or amendments thereto adopted after [date of adoption] shall prevail over rules as provided in 19.15.2.9 NMAC.

(4) Transitional provisions. Any horizontal well drilled, commenced or permitted prior to [date of adoption] shall retain as its horizontal spacing unit the standard or non-standard spacing unit or project area originally dedicated thereto. If that area is not a standard horizontal spacing unit as provided in Subsection A of 19.15.16.15 NMAC, that area is hereby approved as a non-standard horizontal spacing unit for the horizontal well so drilled, commenced or permitted.

19.15.16.20 ALLOWABLES AND AUTHORIZATION TO TRANSPORT OIL AND GAS:

A. The division may assign an allowable to a newly completed or re-completed well or a well completed in an additional pool or issue an operator authorization to transport oil or gas from the well if the operator:

(1) has filed a complete form C-104;

(2) has provided a sworn and notarized tabulation of all deviation tests the operator has run on the well, and directional surveys with calculated bottom hole location, in accordance with the requirements of 19.16.15.14 NMAC or 19.15.16.15 NMAC;

(3) has dedicated a standard spacing unit or horizontal spacing unit for the pool in which the well is completed, a standard spacing unit or horizontal spacing unit has been communitized or pooled and dedicated to the well or the division has approved a non-standard spacing unit or horizontal spacing unit; and

(4) ~~[is in compliance]~~ complies with ~~[subsection]~~ Subsection A of 19.15.5.9 NMAC.

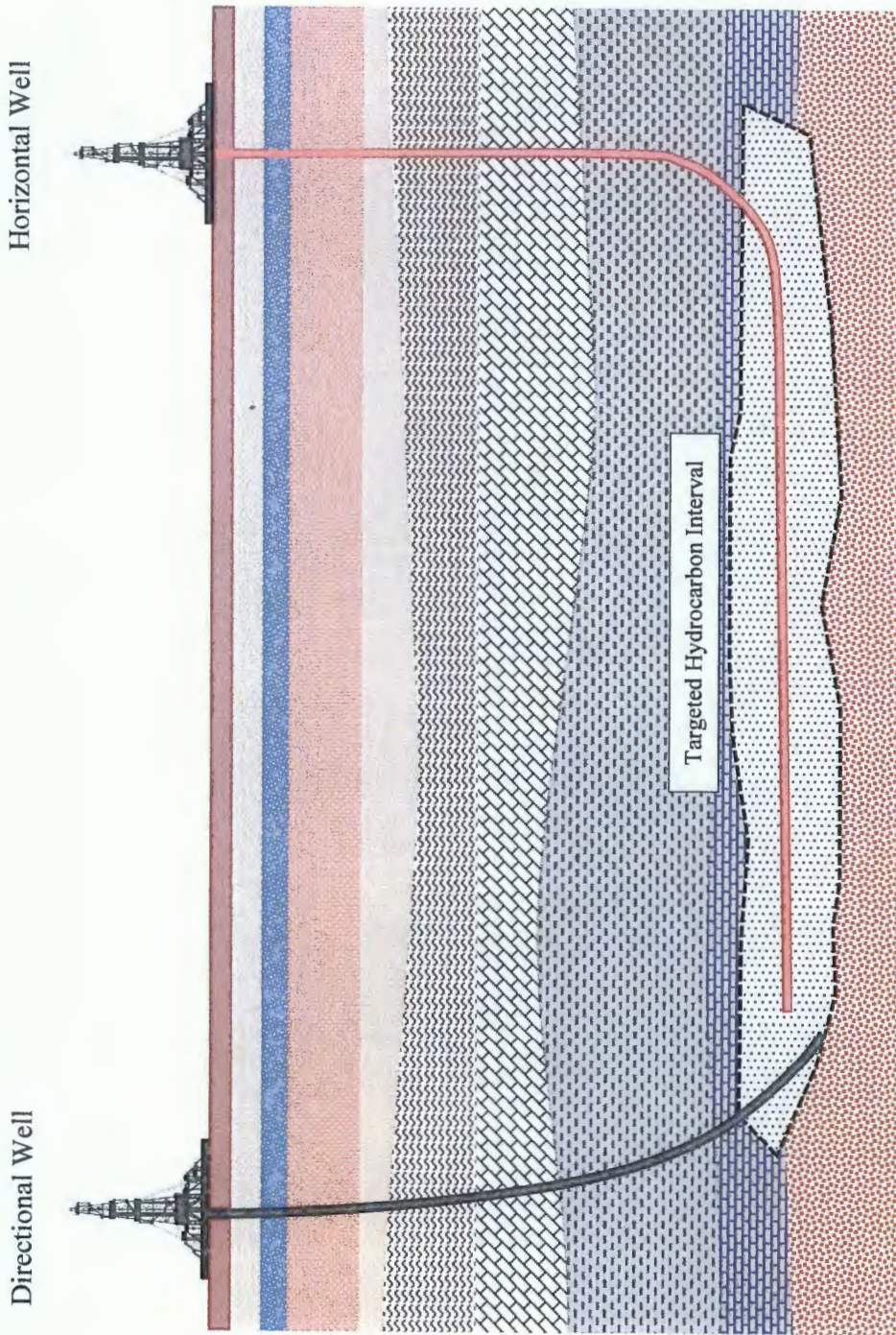
B. The allowable the division assigns to an oil well is effective at 7:00 a.m. on the completion date, provided the division receives form C-104 during the month of completion. The date of completion shall be that date when new oil is delivered into the stock tanks. Unless otherwise specified by special pool orders, the allowable the division assigns to a gas well is effective at 7:00 a.m. on the date of connection to a gas transportation facility, as evidenced by an affidavit of connection from the transporter to the division, or the date of receipt of form C-104 by the division, whichever date is later.

[19.15.16.20 NMAC – Rn, 19.15.16.19 NMAC, 2/15/2012; A, XX/XX/201X]



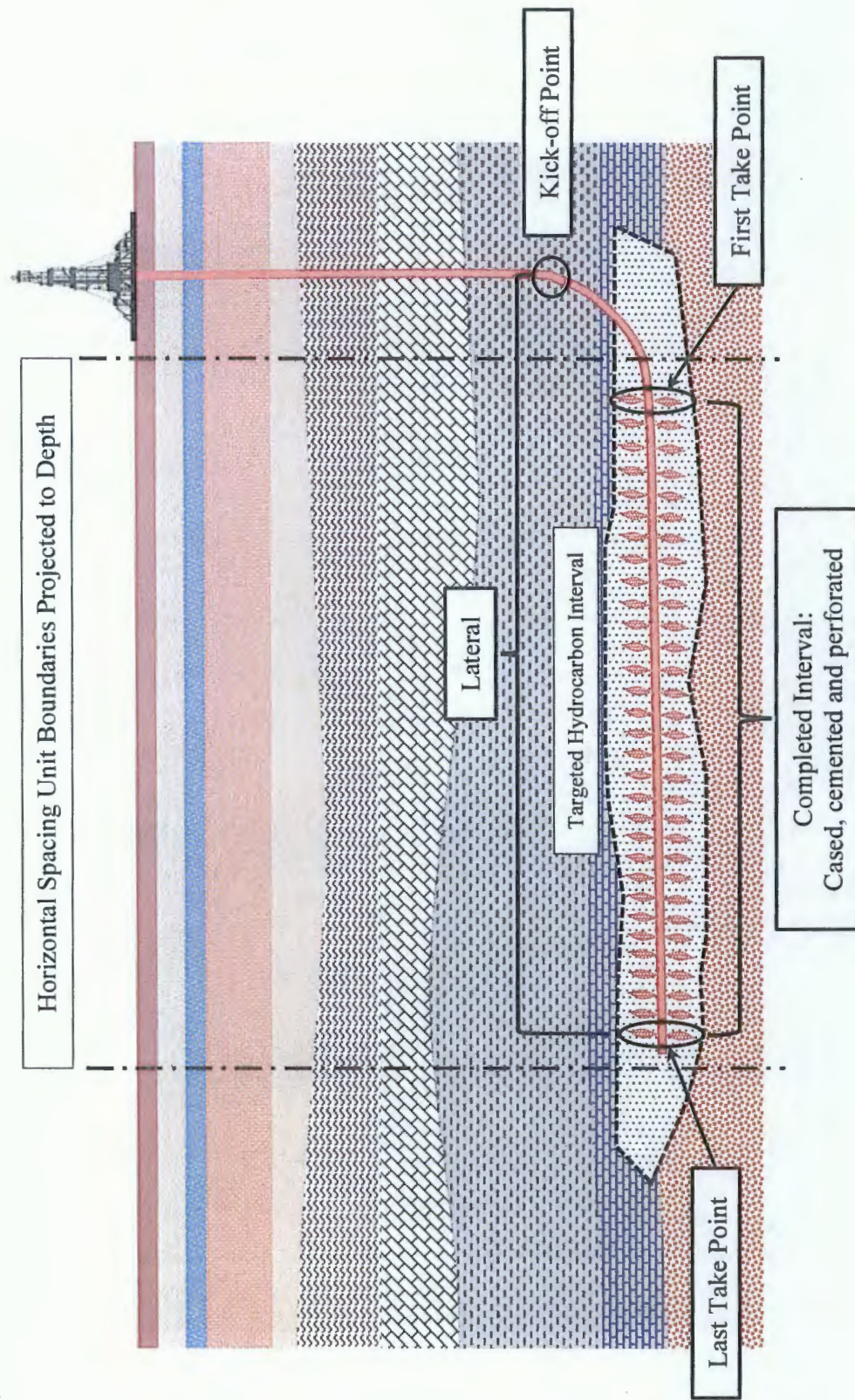
Oil Conservation Division
Energy, Minerals and Natural Resources Department
State of New Mexico

CASE NO. 15957 Division Exhibit No. 3: Directional Well Versus Horizontal Well





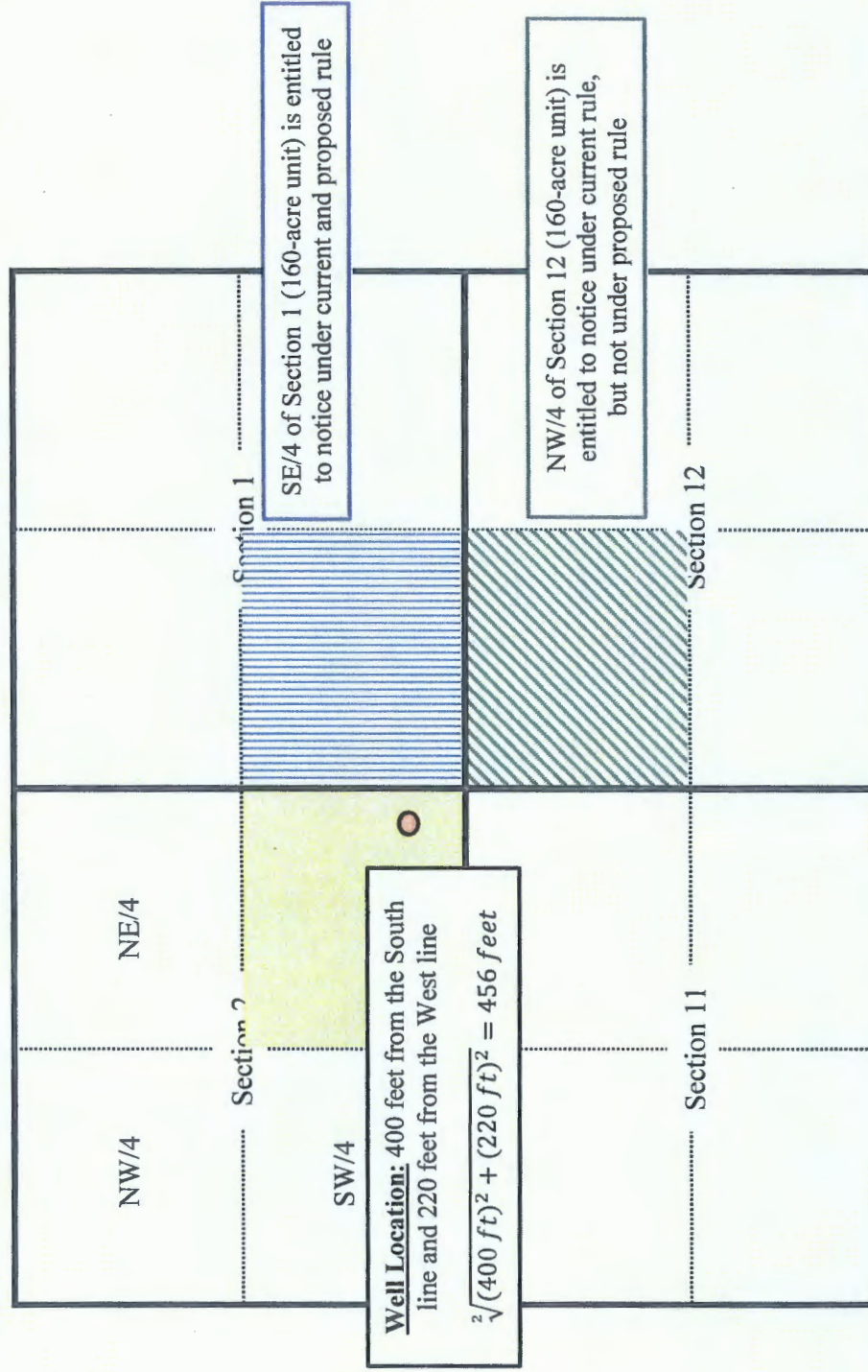
CASE NO. 15957 Division Exhibit No. 4: Definitions Regarding Horizontal Wells





CASE NO. 15957 Division Exhibit No. 5A: New Notice Rule for Non-standard Locations Example 1

Example Pool Rules: 160-acre spacing unit with 330-foot

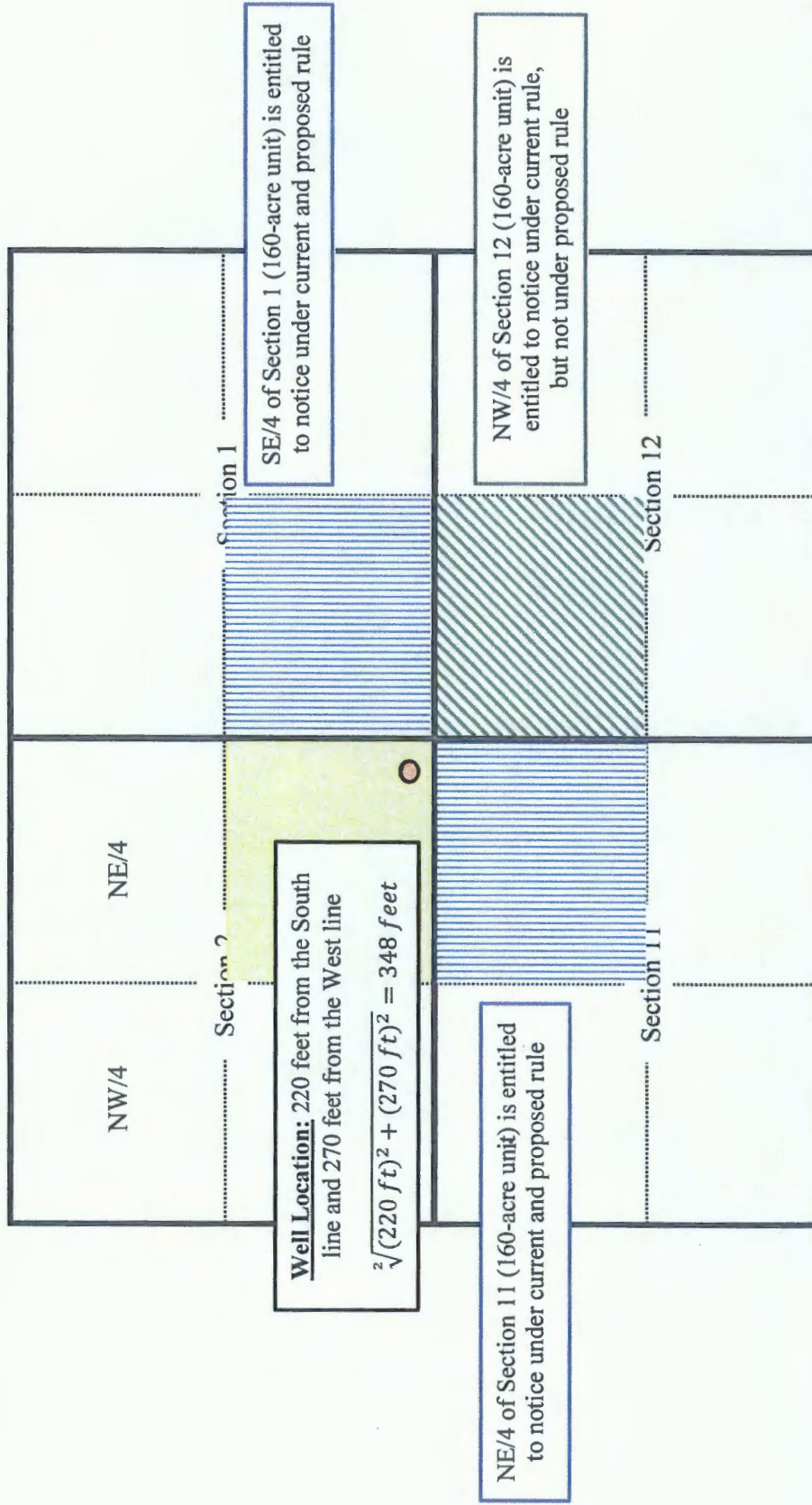


Notice to diagonal spacing unit not required because well is located greater than 330 feet from the common corner.



CASE NO. 15957 Division Exhibit No. 5B: New Notice Rule for Non-standard Locations
Example 2

Example Pool Rules: 160-acre spacing unit with 330-foot

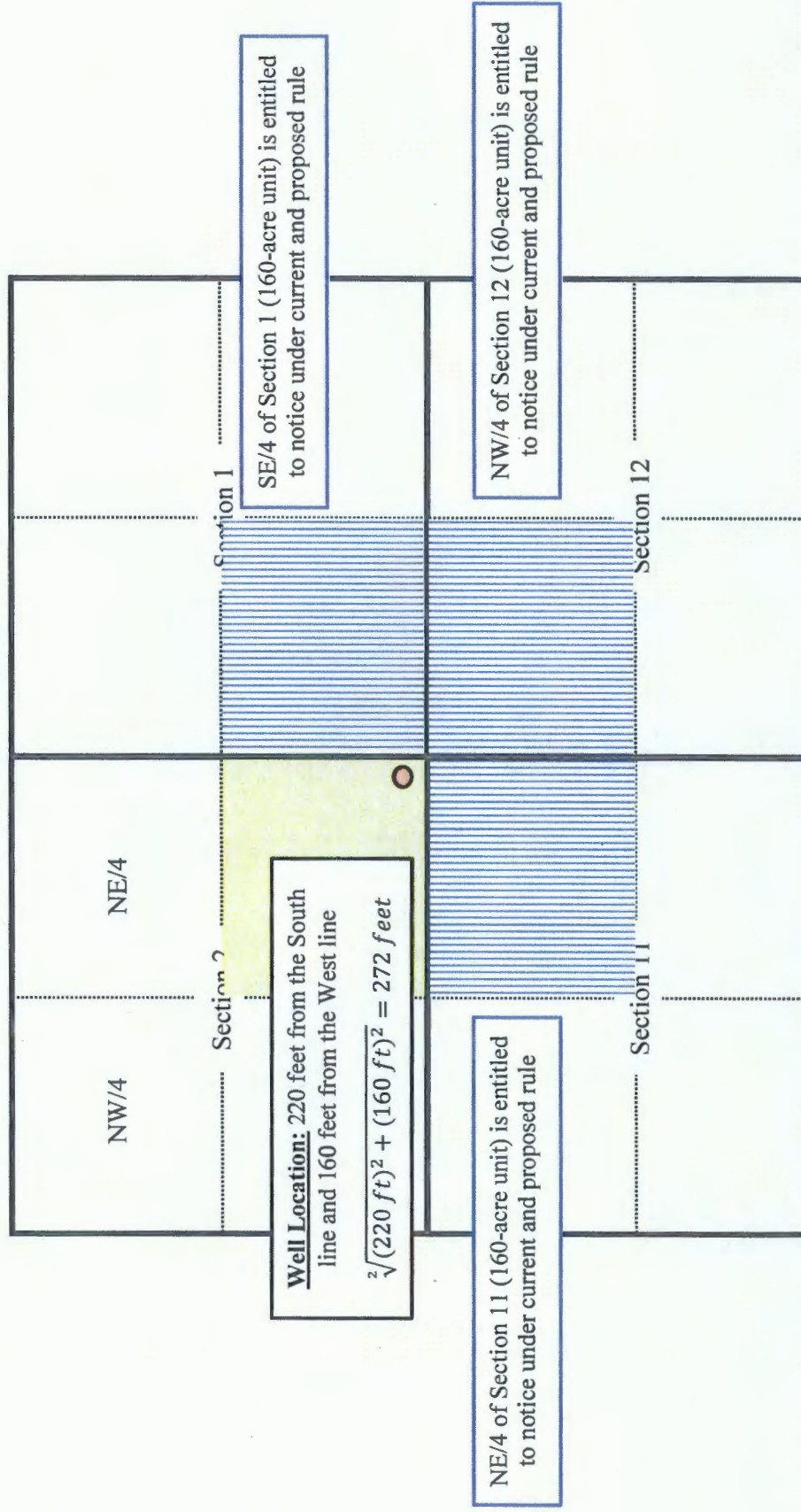


Notice to diagonal spacing unit not required because well is located greater than 330 feet (348 feet) from the common corner.



CASE NO. 15957 Division Exhibit No. 5C: New Notice Rule for Non-standard Locations
Example 3

Example Pool Rules: 160-acre spacing unit with 330-foot

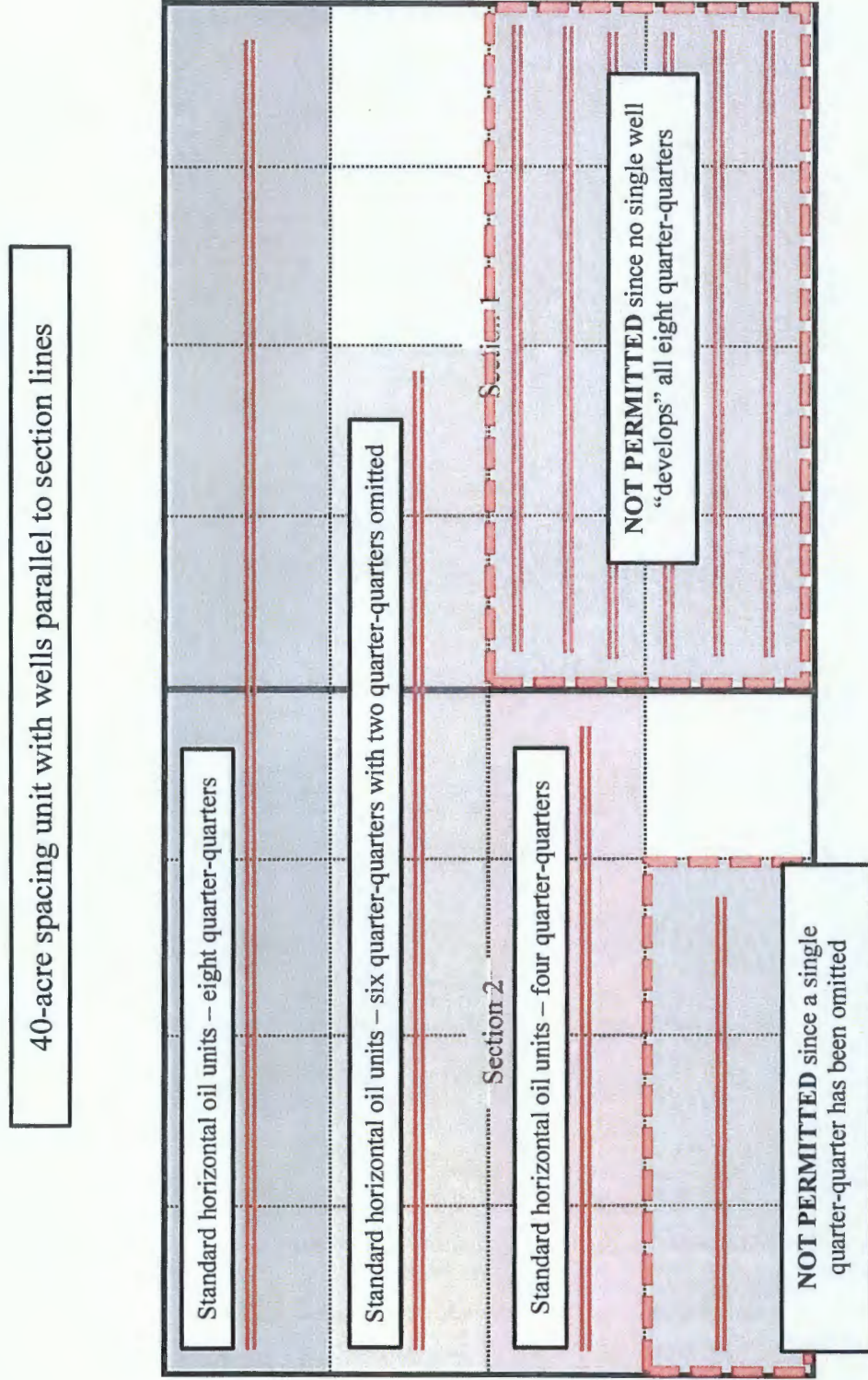


Notice to diagonal spacing unit required because well is located less than 330 feet (272 feet) from the common corner.



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State of New Mexico

CASE NO. 15957 Division Exhibit No. 6A: Standard Project Areas Under Current Rule





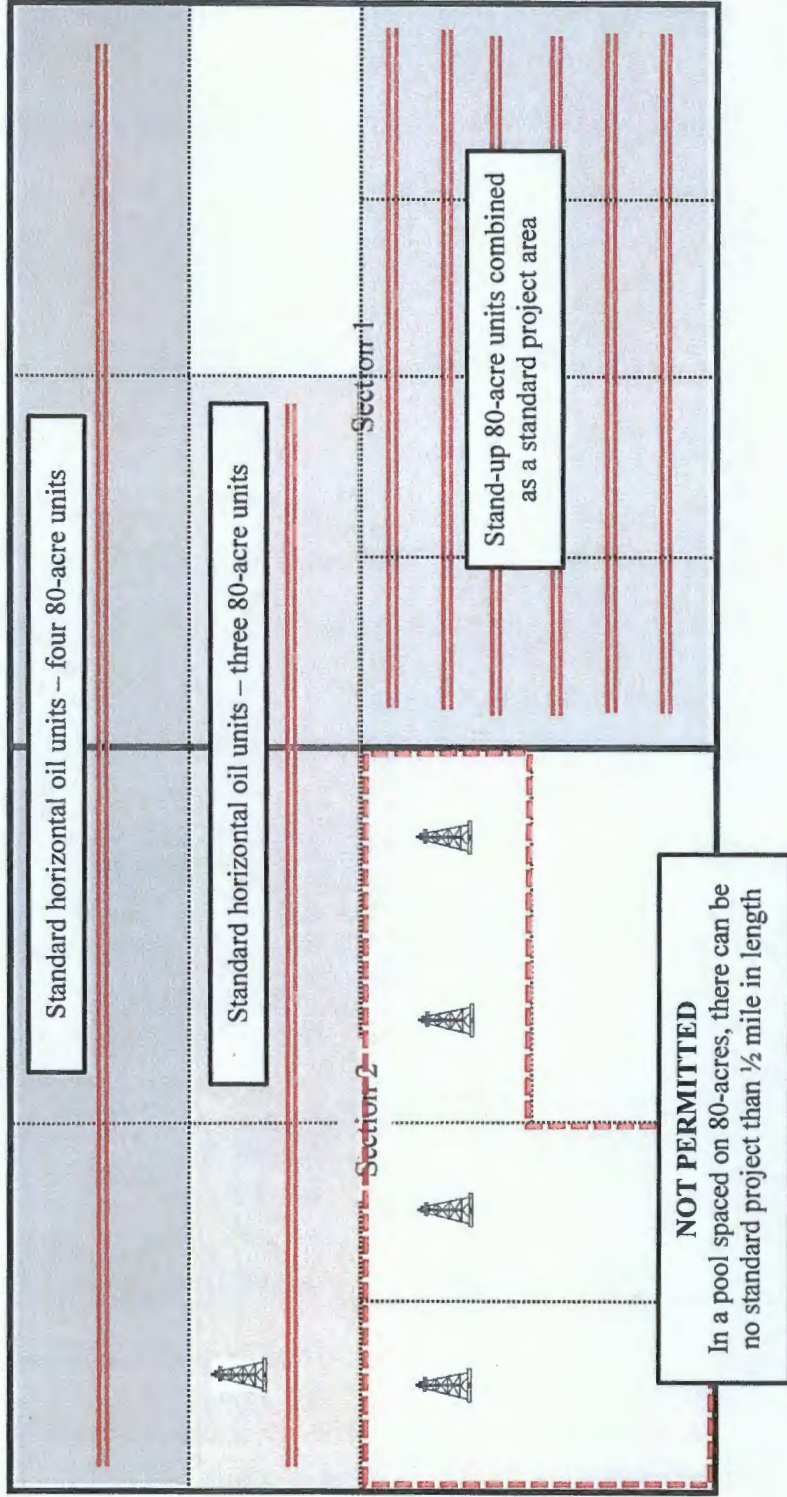
Oil Conservation Division
Energy, Minerals and Natural Resources Department
State of New Mexico

CASE NO. 15957 Division Exhibit No. 6B: Standard Project Areas Under Current Rule

80-acre spacing unit with wells parallel to section lines



Existing vertical wells

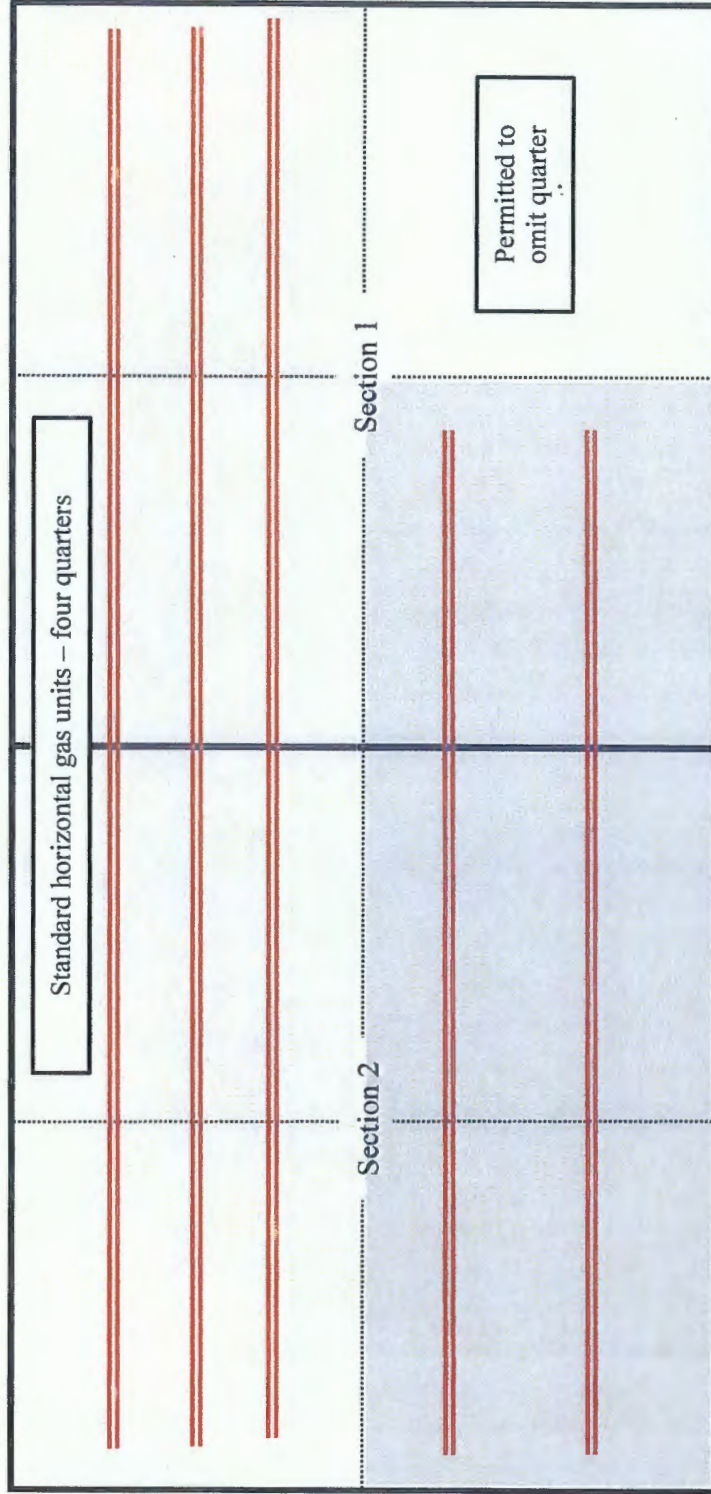




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Energy, Minerals and Natural Resources Department
State of New Mexico

CASE NO. 15957 Division Exhibit No. 6C: Standard Project Areas Under Current Rule

160-acre spacing unit with wells parallel to section lines

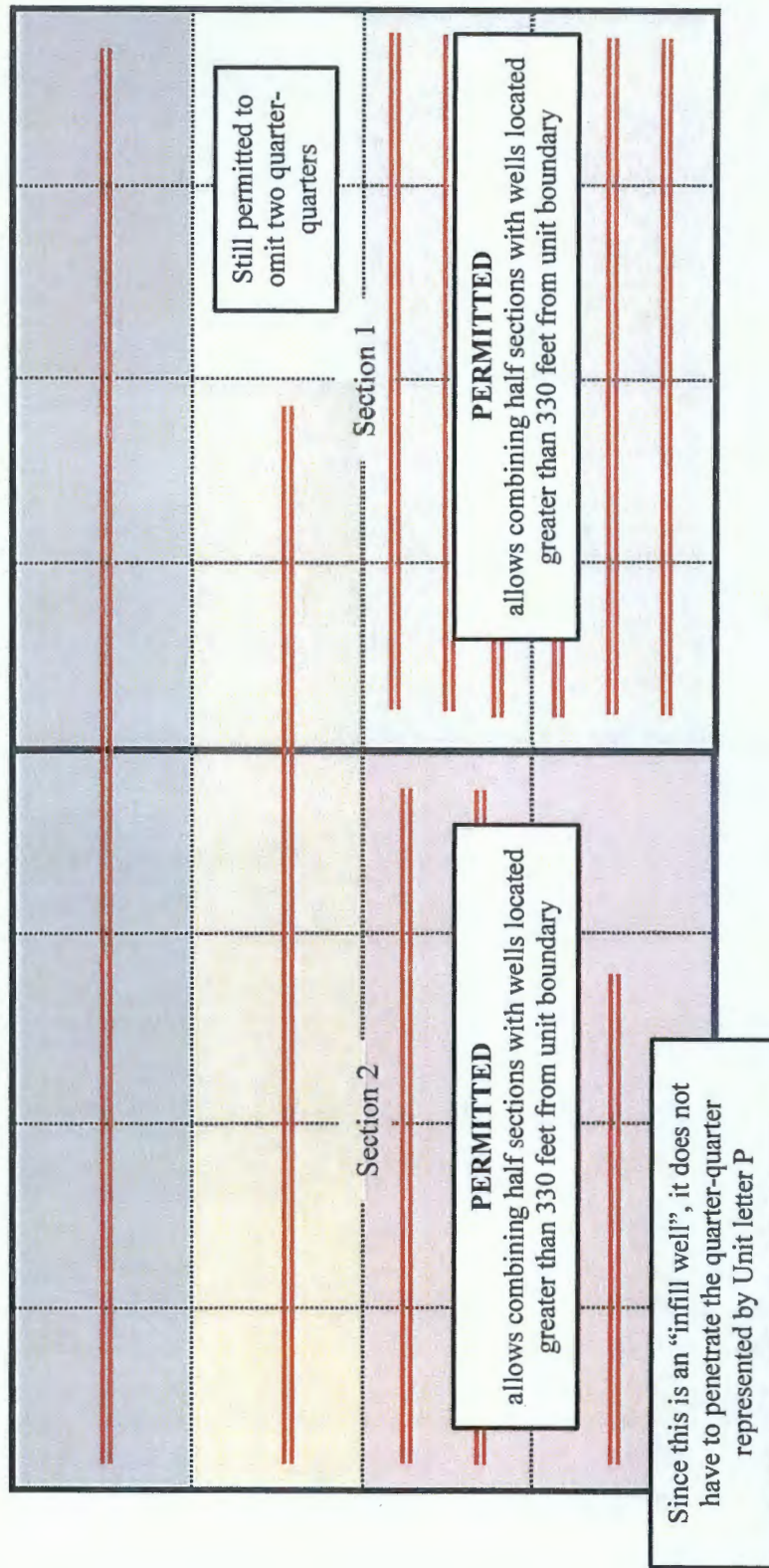




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State of New Mexico

CASE NO. 15957 Division Exhibit No. 7A: From "Project Areas" to "Horizontal Spacing Units"


40-acre spacing unit with wells parallel to section lines

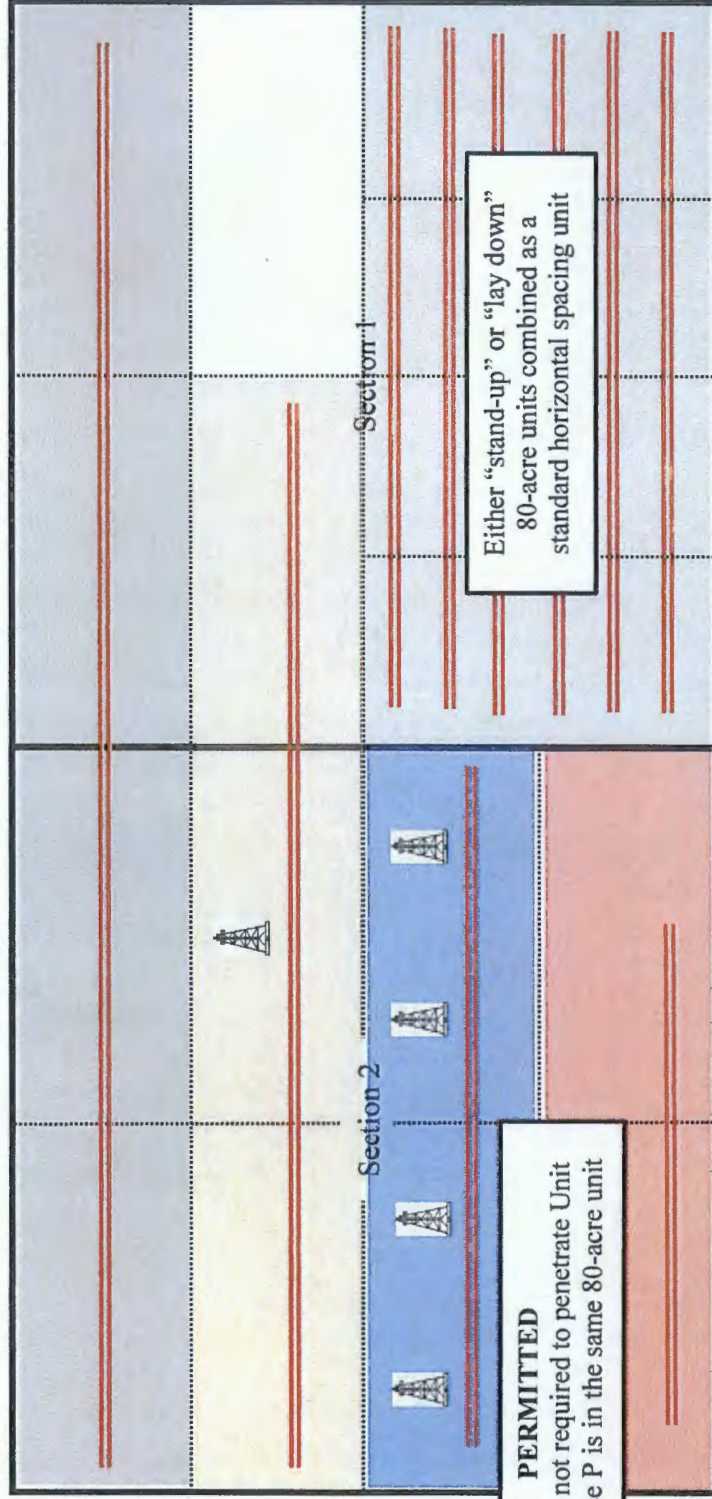




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State of New Mexico

CASE NO. 15957 Division Exhibit No. 7B: From "Project Areas" to "Horizontal Spacing Units"

80-acre units with wells parallel to section lines
 Existing vertical wells



PERMITTED
The well is not required to penetrate Unit
letter P since P is in the same 80-acre unit

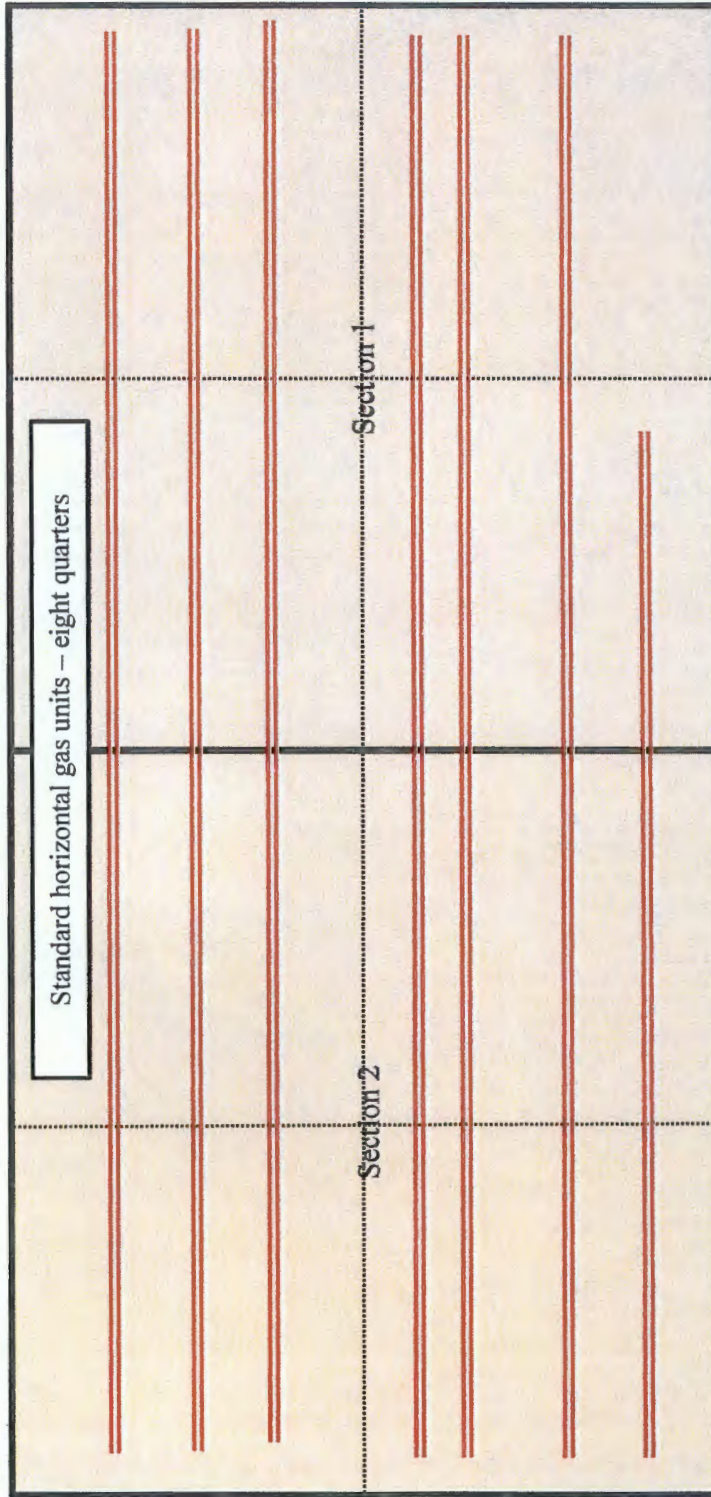
All 80-acre units in a horizontal spacing unit must be oriented in the same direction, but it
does not matter whether a selected 80-acre tract coincides with an existing spacing unit.



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CASE NO. 15957 Division Exhibit No. 7C: From "Project Areas" to "Horizontal Spacing Units"

160-acre spacing unit with wells parallel to section lines





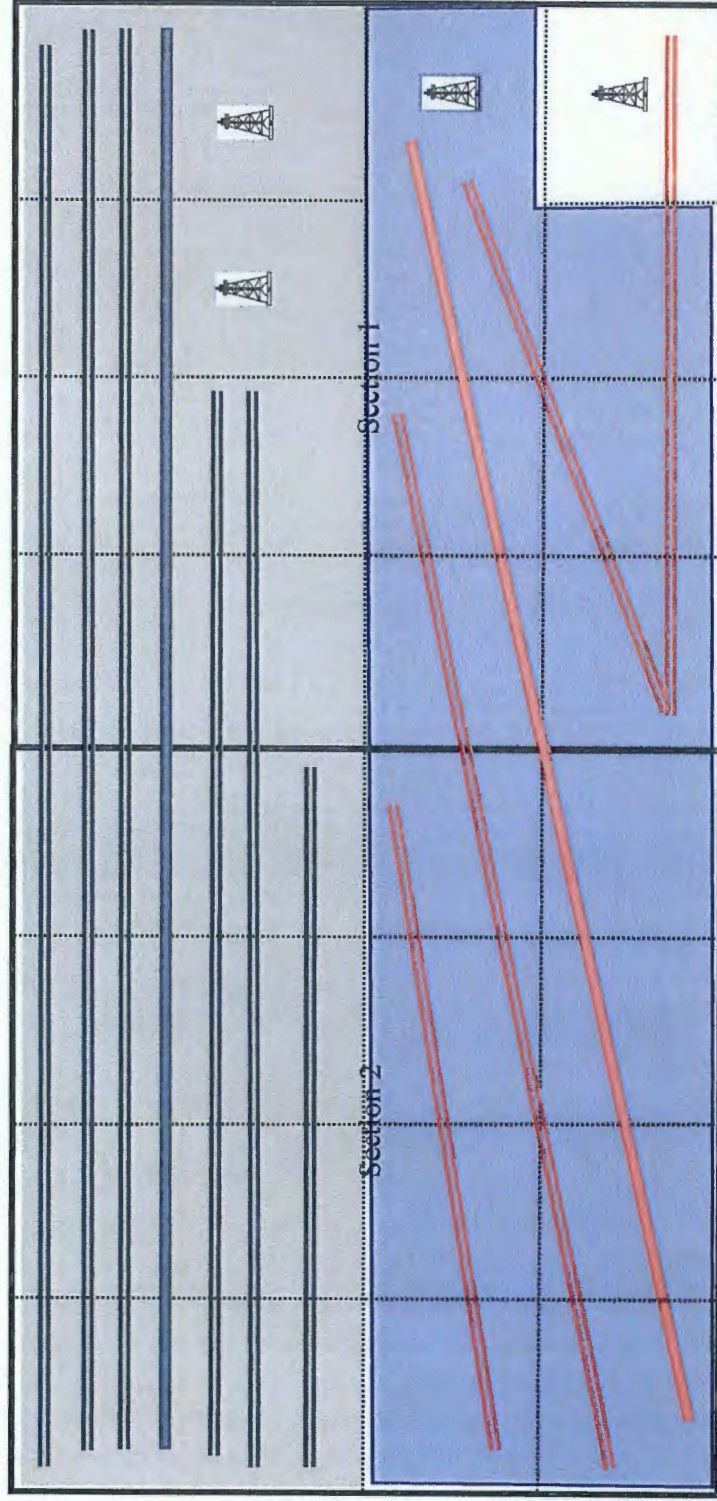
Oil Conservation Division
Energy, Minerals and Natural Resources Department
State of New Mexico

CASE NO. 15957 Division Exhibit No. 8: Infill Horizontal Wells Under Proposed Rules

80-acre units with wells parallel to section lines



Existing vertical wells



Original horizontal wells
Infill horizontal wells

District I1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0722**District II**811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9722**District III**1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170**District IV**1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462**DRAFT**

State of New Mexico

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-101
Revised January 19, 2018☐ AMENDED REPORTSubmit Original to
Appropriate District Office**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address				2. OGRID Number			
				3. API Number			
4. Property Code		5. Property Name				6. Well No.	

7. Surface Location

UL	Section	Township	Range	Lot	Feet from	N/S Line	Feet From	E/W Line	Latitude (NAD.83)	Longitude (NAD.83)	County

*** Proposed Bottom Hole Location**

UL	Section	Township	Range	Lot	Feet from	N/S Line	Feet From	E/W Line	Latitude (NAD.83)	Longitude (NAD.83)	County

9. Pool Information

Pool Name	Pool Code
-----------	-----------

Additional Well Information

10. Work Type:	11. Direction:	12. Well type:	13. Multilateral:
14. Mineral Owner:	15. Surface Owner:	16. Ground Level Elevation:	17. Multiple Completion:
18. Proposed Depth MD	19. Proposed Depth TVD	20. Contractor	21. Spud date:
Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water	

☐ We will be using a closed-loop system in lieu of lined pits

Property Name _____ Well # _____

22. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC

Casing/Cement Program: Additional Comments

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23. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

25. INDICATE ESTIMATED FORMATION TOPS AND DENOTE TARGET FORMATION

Formation	Estimated Formation Top	Formation	Estimated Formation Tops

<p>²⁴ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: _____</p>		OIL CONSERVATION DIVISION	
		Approved By: _____	
Printed name: _____		Title: _____	
Title: _____		Approved Date: _____	Expiration Date: _____
E-mail Address: _____			
Date: _____	Phone: _____	Conditions of Approval Attached	

DRAFT**Case No. 15957 Division Exhibit 10: Revised C-102**

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised Jan 19, 2018
Submit one copy to appropriate
District Office
☐ As Drilled
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name			⁶ Well Number
⁷ OGRID No.		⁸ Operator Name			⁹ GL Elevation

¹⁰ Surface Location

UL	Section	Township	Range	Lot	Feet from	N/S line	Feet from	E/W line	Latitude(NAD.83)	Longitude(NAD.83)	County
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¹¹ Bottom Hole Location If Different From Surface

UL	Section	Township	Range	Lot	Feet from	N/S line	Feet from	E/W line	Latitude(NAD.83)	Longitude(NAD.83)	County
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

				¹⁷ OPERATOR CERTIFICATIONS	
				<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
				<i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of an undivided mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located, or obtained a compulsory pooling order from the division.</i>	
				Signature _____ Date _____	
				Printed Name _____	
				E-mail Address _____	
				¹⁸ SURVEYOR CERTIFICATION	
				<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
				Date of Survey _____	
				Signature and Seal of Professional Surveyor: _____	
				Certificate Number _____	

Property Name _____ Well # _____

19. Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet from	N/S Line	Feet From	E/W Line	Latitude (NAD83)	Longitude (NAD83)	County
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20. First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet from	N/S Line	Feet From	E/W Line	Latitude (NAD83)	Longitude (NAD83)	County
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21. Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet from	N/S Line	Feet From	E/W Line	Latitude (NAD83)	Longitude (NAD83)	County
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22. Unit Area of Uniform Interest					23. Spacing Unit Type:				24. Location Type		
-----------------------------------	--	--	--	--	------------------------	--	--	--	-------------------	--	--