New WOGCC Rules

- **Chapter 3, Section 46** – Groundwater Baseline Sampling, Analysis & Monitoring (March 2014)

- **Chapter 3, Section 47** – Setback Rule (April 2015)

- **Chapter 3, Section 4** – Bonding (February 2016)

- **Chapter 3, Section 8** – APD fees and approval period (February 2016)

- **Chapter 3, Section 39** – Authorization for flaring and venting of gas (April 2016)
Water Testing

- Samples from four (4) water sources within ½ mile.

- Sample and test within twelve (12) months of spuding well.

- Post drilling sample and test schedule:
  1-twelve (12) to twenty four (24) months.
  2-thirty six (36) to forty eight (48) months.
Surface Setbacks

- Wellhead located no closer than five hundred (500) feet to occupied structure.

- Wellhead located 500’ to 1,000 ft to occupied structure(s) requires:
  
  1. Notification to offset owner(s) of Occupied structure(s).
  
  2. Mitigation Plan ie. light control, noise minimization, etc.
Bonding

- Increase blanket bond to $100,000.
- Individual bond set at $10/ft per well.
- Split estate bonds set at $10,000 per well site.
- Transfer of well(s) requires:
  1. Thirty (30) days notice to WOGCC prior to transfer date.
  2. Supervisor has discretion to hold prior operator bond for six (6) months.
APD Fee’s

- $500 (includes administrative approval fee for horizontal wells).

- Application for permit to drill (apd) valid for two (2) years.

- Average APD’s received per month

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<th>Count</th>
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<tr>
<td>2014</td>
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<td>2015</td>
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<td>2016</td>
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Flaring & Venting

➤ Requires accurate measurement of all gas vented or flared.

➤ Gas analysis to be submitted every five (5) years.

➤ Allows up to sixty (60) mcf/day for flaring and twenty (20) mcf/day for venting.

➤ Flaring allowed for 180 days at a maximum rate of 250 mcf/day (monthly average) not to exceed 45 mmcf with prior approval and gas capture plan.
Federal Rules

BLM

- Fracking rule on hold, pending Federal Court actions.

EPA

- Rules for new & modified sources, May ‘16
- Information request to study current sources
New Rules

Currently Approved Rule Changes

- Flaring Rules, Ch.3 Sec.39, Effective 4/1/16
- Bonding Rules, Ch 3, Sec. 4, APD Fee Increase, Ch 3, Sec. 8, Effective 2/1/16
- Setback Rule - Ch. 1 & 3 Effective April 14, 2015
- Baseline Water Rule Chapter 3 Section 46 Effective 03/01/2014
- Appendix K Sampling and Analysis Procedures
- Spacing Rule Chapter 3 Section 2 Effective 07/24/2014
Orders
Hearing Dockets and Information
Thank You

Comments, Questions
Procedural Issues Related to Oil and Gas Conservation Commission

Eric A. Easton, Sr. Assistant Attorney General
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- Statutory Provisions
- Practice Issues
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  - Role of Examiners Wyo. Stat. 30-5-105
    - Orders issued
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- Differences
  - Pre hearing disclosure
  - Administrative hearings limited to interested parties

- Authority to participate limitations
  - Drilling and spacing units
  - Water floods operations
  - Unit operations and force pooling
  - APD’s
  - Exception locations
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- Differences (cont.)
  - Experts qualifications
  - Overlapping units
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    - Failure to pay conservation taxes, report productions
    - Failure to give notice of intent to spud, BOP violations
    - Flaring without authority
    - Spills, failure to report or clean up spills
Wyoming Oil and Gas
Conservation Commission

Eric A. Easton
Sr. Assistant Attorney General

Contact Information:
Eric A. Easton, Sr. Assistant Attorney General
Email: eric.easton@wyo.com
Address: 2211 King Blvd
Casper, Wy. 82602
Phone: 307-234-7147

Photo Courtesy of www.wyomingbusinessreport.com
Hearing/Administrative Review Processes
Sabrina Hamner, WOGCC Engineer/Examiner
Table of Contents:

- **WOGCC Engineering Tasks Include:**
  - **Hearing Examiner** (W.S. 30-5-105)
  - **Processing of Administrative Approvals** (Chap. 5 Sec. 15)
  - **Drilling Permit Review**
  - **Sundry Approvals / UIC Reviews**

Links to WOGCC Rules: [http://soswy.state.wy.us/Rules/default.aspx](http://soswy.state.wy.us/Rules/default.aspx)

Link to Wyoming State Statute: Title 30 Mines and Minerals, Chapter 5 Oil and Gas [http://legisweb.state.wy.us/NXT/gateway.dll?f=templates&fn=default.htm](http://legisweb.state.wy.us/NXT/gateway.dll?f=templates&fn=default.htm)
Examiner Hearings

1.) Commission Hearings
(W.S. 30-5-106)
- Protests
- Show Cause
- Unconventional developments
- Rule Changes
- Flaring

2.) Examiner Hearings
(W.S. 30-5-105)
- Well Spacing / Location Authorizations / Infill Drilling
(W.S. 30-5-109)
- Increased Density
(W.S. 30-5-109)
- Commingling Requests
(Chap. 3 Sec. 34)
- Force Poolings
(W.S. 30-5-109 (g))

3.) UIC Hearings
(Chap. 4 Sec. 5, 7, 12)
- Aquifer Exemptions
(Chap. 4 Sec. 12)
- Disposal Well Permitting
(Chap. 4 Sect. 5)
- Secondary / Tertiary Recovery Units
(W.S. 30-5-110)
Examiner Hearings
(Process)

1.) Hearing Application Submission ($75)
2.) Assignment of Docket Number / Month of Hearing
3.) Creation of Docket Card and File
4.) 15 day Notice – Potential to entertain protests \(\rightarrow\) Dictates if Commission or Examiner hears
5.) Commission Staff will publish
6.) Preliminary Matters – Address continuances
7.) Matter is heard \(\rightarrow\) Examiner releases dispositions based on results of hearings
8.) Await draft order from representative attorneys
9.) Enter Order containing
   a.) Report of the Examiner
   b.) Findings of Fact
   c.) Conclusions of Law
   d.) Final Order
Examiner Hearings

- **Hearing dates: Second Tuesdays of each month (Casper, WY)**
- Quantity ranges from 10 – 200 examiner hearings per month PER EXAMINER
- Engineers act in role of hearing examiner
- Three required testimonies depending on matter
  - Land Testimony
  - Geology Testimony
  - Engineering Testimony
Examiner Hearings – Testimony

- Three required testimonies depending on matter:
  - (1). Land Testimony
    - Surface / Mineral Ownership
    - Working Interest Ownership – Leasehold
    - Prior Dockets within Application Lands / Existing Wells
  - (2). Geology Testimony
    - Establishes presence and continuance of reservoir / pool over Application Lands
  - (3.) Engineering Testimony
    - Calculated drainage area, justify requested down-hole setbacks
    - Well AFE / Risk Assessment (Force Pooling)
    - Evaluation of established production in the area
Well Spacing
(Commission Spacing Orders)

ALL WELLS, except tribal, can be spaced by Commission Orders. Commission orders “trump” Commission Rules and Spacing Exemptions.

- Commission Spacing Orders:
  - Identified by Docket Numbers (e.g. 1411-2014)
  - Area and reservoir (pool) specific, not time specific
  - Some orders are well specific \(\rightarrow\) apply only if reservoir and location match the well permit
  - Spacing orders remain indefinitely unless vacated by another order
Statutory delegation of authority to the WOGCC Staff to ensure:

- Protection of Correlative Rights
- Prevention of Waste (Mineral Resources)
- Oversees all well spacing regardless of the mineral estate (except tribal lands) as established by Wyoming Law. (Chap. 3 Sec. 2 WOGCC Rules)

- Well spacing is **area specific, reservoir specific, time specific and well specific.**
  - Leasehold does not matter
  - Number of owners does not matter
  - Each reservoir can have its own spacing and wells
  - Horizontal / vertical spacing independent of each other

Why are Hearings Necessary?
Well Location – By Rule
Chap. 3 Section 2 (Non-Tribal)

Well Location - Vertical / Directional Wells
- 1 well / 40 acres
- Center of QTR-QTR (200’ tolerance window)
- 920’ from other producing wells from the same reservoir

Well Location - SW Wyoming Gas Wells
- Township 12 N - Township 28 N and Range 89 W - Range 121 West
- 1 well / 160 acres (Center)
- 1,120’ to exterior boundaries of the quarter section
- Adhere to 460’ setbacks from Qtr-boundary if falling under the 2/QTR section criteria (only certain townships and ranges of those listed above)
Well Spacing – By Rule
Chap. 3 Section 2 (Non-Tribal)

- **Spacing Rule: Powder River Deep Wells**
  - Frontier, Muddy, Dakota in excess of 11,000 feet
  - 1 well / 640 acres. Must be located in the centermost QTR QTRs of the section
  - 1,320’ from the setback line

- **Spacing Rule: Powder River CBM Wells**
  - Fort Union or Wasatch coals
  - 1 well / 80 acres (stand-up)
  - Placement in the NE1/4 or the SW1/4, while being located in the center of the 200’ tolerance window
Well Spacing – By Rule
Chap. 3 Section 2 (Non-Tribal)

Permanent Spacing Rule: Horizontal Wells (as of July 2014)

- 1 well per 640 acres (Section)
- **Surface location** may be anywhere on the leased premises, or on lands adjacent to the spacing unit;
- **Completed interval** must stay 660’ from unit boundaries
- **Completed interval** must stay 1,320’ from any other producing well of the same formation.

*Any divergence from rule requires notice and approval via hearing or administrative approval.
Well Spacing
(Increased Density / Ownership)

- **Spacing** is based only on the area one well will drain. (W.S. 30-5-109 (b))

- **Well Density** (W.S. 30-5-109 (d)) refers to the number of wells in a drilling and spacing unit
  - Well density is increased by Commission Order, when the operator finds a single well in a drilling and spacing unit (DSU) will not drain the acreage
  - Spacing remains the same as before
  - Could be 2 wells draining a 640 acre DSU, not 1 well for every 320 acres

- Area must be spaced before adding wells or pooling

- First owner to file APD gets to drill in the spacing unit
  - Operatorship based on first come, first serve basis
  - More than one owner in a spacing unit, only one can drill a well and both will share in it
Well Spacing
How to find Commission Orders (Spacing, Increased Density, etc.):

Go to: http://wogcc.state.wy.us and click on “Area of Review”
**Well Spacing**

How to find Commission Orders (Spacing, Increased Density, etc.):

*Will pull up section of interest and the nine surrounding sections (Observe demonstration for further information)*

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Well Spacing
How to find Commission Orders (Spacing, Increased Density, etc.):

- Hit “Display Records” and then proceed to enter Section, Township, and Range
Administrative Approvals (AAs)  
(Chap. 5 Sec.15)

- **Must include $75.00 check to be processed**
- **Types of AAs include:**
  - Exception locations (BHL and entry points) (W.S.)
  - Horizontal wells
  - Commingling (down-hole and surface)
  - Vacuum pumps, etc.

  **Note:** Exception / horizontal well APDs will not be approved without a current administrative approval. Unlike commingling applications, which are valid indefinitely upon approval, exceptions and horizontal application approvals are only valid for one year.

- **Examples of each:**
  - http://wogcc.stat.wy.us → “Forms” → “Download Menu”
Administrative Approvals (AAs)
( Exception Locations – Chap. 3 Section 3 )

- **Exception Location Applications (As Per Chap. 3 Sec. 3)**
  - Wells with any part of “PRODUCING INTERVAL” not abiding by the setback requirements or established stipulations of rule / order
  - **Types:**
    - Violation of BHL, entry-point, or lateral setbacks
    - Violation of interwell setbacks

- **Horizontal Well Applications (As Per Chap. 3 Sec. 8(f))**
  - Required to accompany any horizontal drilling permit (APD)
  - Required notice to offset working interest owners

- *Both Applications are Reservoir / Location / Time Specific*
Administrative Approvals (AAs)  
(Commingling Applications – Chap. 3 Sec. 34)

MUST BE SUBMITTED TO WOGCC ANYTIME PRODUCING 1+ RESERVOIRS SIMULTANEOUSLY, OR COMBINING PRODUCTION INTO COMMON LINE

- Approval by Commission Order or Administrative Approval
- Approvals valid indefinitely

- **Down-hole Commingling:**
  - 1+ Reservoirs: Can be approved on APD if administrative approval or Commission Order previously exists. Must make reference to!
  - Spacing evaluated for all commingled reservoirs / pools

- **Surface Commingling:**
  - Common working interest / royalty interest, otherwise → Hearing
  - Metered before common line OR provide allocation method
Common Issues: Hearings

1.) Overlapping Spacing Issues:
   - The Commission does not allow overlapping spacing units unless:
     - Spacing on top of drilling unit on production (Maintain)
     - Justification that stranded reserves will be accessed.

2.) Forgetting to Vacate Underlying Spacing:
   - Cannot vacate spacing with another operator’s permits
   - Must role existing permits into new drilling unit (if same operator).

3.) Outstanding Draft Orders:
   - If you are representing a client for any WOGCC Examiners…PLEASE PLEASE submit draft orders in a timely fashion (90 days) following the hearing.
Common Issues: Administrative

1.) Common mistakes on Exception Filings

- Mistakes on Notices
  - Exception to Rule → Did not notify of an exception. Required to notify all WI owners in ½ mile of well (vertical) or ½ mile of well + inside DSU
  - Exception to Docket → Notify all WI in DSU + offsetting DSUs.
  - Horizontal Application → Notify All WI owner within ½ mile of well and in DSU.

- Forgetting to address requirements of Chap. 3 Sec. 3 (sp. “Why exception is needed”)
Supplemental (Reference Slides)
Well Spacing – By Rule
Chap. 3 Section 2 (Non-Tribal)

Vertical / Directional 40-ac. Density

Powder River Deep
640 ac. (Vertical)

Coal Bed Methane
– 80 ac. Spacing

Southwest WY Gas Wells
– 160 ac. Density

Horizontal Well Spacing
640 ac. DSU
WOGCC APD Approval Process

Begin

APD Receipt

Debbie Bagner
Mary Trembath

Administrative Approval Check-In

Dave Stevens – Only if horizontal well or an exception

Pit / Setback Review

Jodi May

Baseline Water Review

Kate Helm

Spacing and Setbacks

Frank Ingham, Trayce Rauscher
Sabrina Forbis

Directional Survey & Drilling Plans (Casing / Cementing)

Engineer Review

Well Completions

Administrative Approval Check-Out

Final APD Checkout

End

SG-1: Joe Scott

SG-2: Jody May

Debbie Bagner
Mary Trembath

Dave Stevens (Letter)
APDs: (Permit Components)

- What do the Engineer’s Review?
  - Legal location of the well
    - Survey Plat
  - Well spacing
    - Commission Orders, by rule?
  - Geologic Markers / Drilling Plans
    - BOP Diagrams
    - Casing Program
    - Cement plans
  - Offset water wells in ¼ mile
    - Setting depth of surface casing

- Direction Plans (If applicable)
- Administrative Approvals
  - Exception Locations
  - Commingling
  - Horizontal Applications
- Confidential Requests
- Completions and Stimulations
  - Chapter 3 Section 45:
    - Must be submitted and approved before the operation begins
    - Master plans, general plans, sundry NOI