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Feb 2012



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Office of Oil and Gas

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# Permitting Overview

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<b>Notices &amp; Certifications</b>	<b>Form Number</b>
Seismic	WW-6A2
Entry for Plat Survey	WW-6A3
Intent to Drill	WW-6A4
Planned Operation	WW-6A5
Public Notice <ul style="list-style-type: none"><li>• Public Notice Number</li><li>• UTM/Replace with Approximate Lat/Long</li></ul>	WW-PN
Notice of Application	WW-6A
Certifications Required	WW-6AC

## **Notices & Certifications**

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- Erosion and Sediment Control Plan
- Site Construction Plan
- Well Site Safety Plan

- Water Management Plan

- Listing of anticipated additives that may be used in completion water including CAS #s.
- Listing of additives that were actually used shall be submitted with the well record.
- Identify any public water intake within 1 mile downstream of the withdraw site.

**Notes:**

- *All plans to be designed by a registered engineer.*
- *All plans to be reviewed by OOG and will be mailed by OOG to the respective inspector.*
- *Reminder to check with Corp of Engineers on 404 issues.*
- *Reminder to check with Flood Plain Coordinator*

## Well Plans

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## Record Keeping / Reporting (To be retained by the operator)

- Production Water
  - Quantity of flow-back water from fracturing.
  - Quantity of produced water.
  - Method of management or disposal of produced and flow-back water.
- Transportation activities shall be maintained and recorded by the operator.
  - Quantity of water transported.
  - Collection, delivery or disposal locations.
  - Water handling company name.
  - Keep on file for three (3) years after withdraw activity.

## Water Management Plan (Cont.)

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- Bonding increase to \$250,000.
- Permit fee increase to \$10,000 (Initial well) & \$5,000 (Additional well on same pad).
- Commenting period is 30 days.
- Install API # and Operator's contact phone number after completion.
- Stimulation description.
- Proposed angle & direction of the well.
- DOH Certification 22-6A-20.  
Submit with each application a letter of certification from the DOH that the operator has entered into a road agreement or that no such agreement is required.

## General Notes

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- All drill cuttings and associated drilling mud shall be disposed of in an approved solid waste facility.

*If surface owner consents, they may be managed on site in a manner approved by the secretary.*

- Register all water supply wells with OOG.

*All drinking water wells within 1,500 ft. of a water supply well shall be flow tested and quality tested if requested by the water well owner.*

**22-6A-8g5**

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## Rules shall be proposed

- Establish a designated karst region.
- Establish standards for drilling in region.

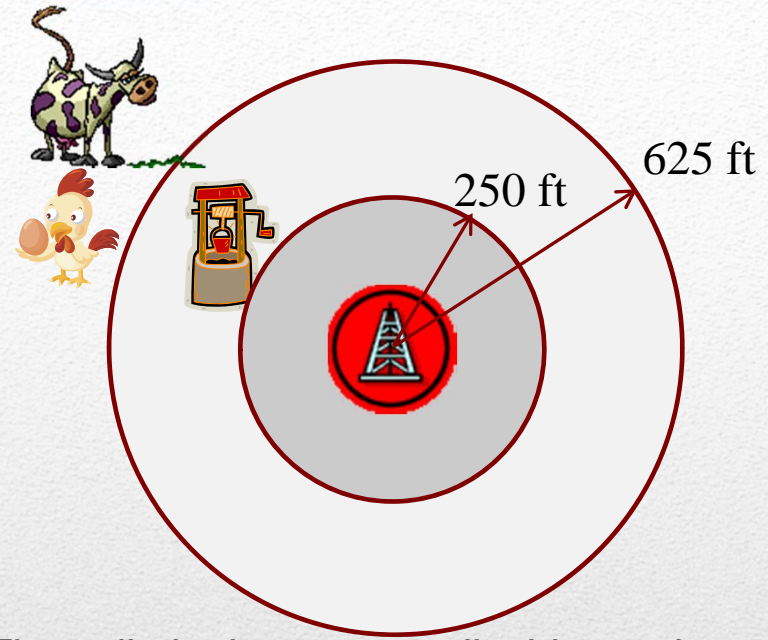
## Minimum requirements

- Perform predrilling testing to check for caves, other voids, faults, etc.
- Check for surface features such as sinkholes.
- May include baseline water testing around the site.

**Karst**

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- **250'** – Distance from well head to existing water well or developed springs.
- **625'** – Distance from center of pad to occupied dwelling, or a building used for cattle poultry that is 2500 ft<sup>2</sup> or larger.



- *These limitations are applicable to what was in existence on the date notice given for planned entry or notice of intent to drill.*
- *Dwellings under construction prior to this date also apply.*
- *Waiver may be obtained from surface owner.*
- *Operator can request a variance from Secretary, if granted conditions which may include insurance, bonding, indemnification & tech requirements.*

# Well Location Restrictions



- **100'** – Distance from pad to any perennial stream, natural or artificial lake, pond or reservoir, or wetland.
- **300'** – Distance from pad to native trout stream.

**Note 1:** *May apply for a variance from DEP to waive these restrictions.*

- *Condition Permit per waiver.*

- **1000'** – Distance from pad to surface / groundwater intake or public water supply.
  - Surface intake on a lake or reservoir measured from the border.
  - Surface water intake on a flowing stream measured in a semi-circular radius extending upstream of the intake.
  - Groundwater source measured from water well head.

# Well Location Restrictions

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**Note 2:** *These restrictions will not apply to wells on a multiple pad if at least one (1) well was permitted or has an application on file prior to Dec. 14, 2011.*



**Questions ?**

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