

WASHINGTON

Administration

1. Agency regulating oil and gas exploration/production: [Department of Natural Resources, Division of Geology and Earth Resources](#), Olympia, WA 98504-7007. Phone: (360) 902-1439. Dave Norman, Oil and Gas Supervisor.
2. Contact for regulatory updates: N/A
3. Docketing procedure: Department issues notice of hearing to State Code Reviser's Office, interested parties, and gives public notice in a newspaper at least 20 days before the proposed hearing.
 - a. Emergency orders: Yes. Department can promulgate them with no notice. They cannot be in effect more than 90 days.
 - b. Notice: 20 days. The Department is responsible to give notice.
4. Agency regulating air emissions: [Department of Ecology](#) or a Regional Air Quality authority depending on area of state.
5. Agency regulating water quality: [Department of Ecology](#)

License

1. License required: N/A
2. Conditions of license: N/A

Bond/Surety

1. Purpose of surety: Plug and Abandonment and site restoration.
2. Plugging and restoration: Yes – Required.
3. Compliance bond required: Yes – Required.
4. Types of surety accepted:
5. Conditions of bond: Bond is for proper abandonment of well and remains in force until that is accomplished and well site has been reclaimed.
 - a. Amount per well: Not less than \$50,000.
 - b. Amount of blanket bond: Not less than \$250,000.

Land Leasing Information

1. Leasing method: Sealed-bid auction. No over the counter sales of state oil and gas leases.
2. Notice method: Advertised in the Olympia, WA newspaper, and the official notice of Auction is distributed to oil and gas community mailing list.
3. Minimum bidding \$ (per acre): The successful bidder will be determined by the highest bonus bid offered for each parcel. The starting bonus bid will be \$2.00/acre. A \$1.00/acre surcharge will also be assessed to the successful bidder to cover the costs of associated environmental reviews and lease processing.
4. Qualification of the bidder: Anyone can submit a sealed-bid.
5. State statutes: [Chapter 79.14 Revised Code of Washington \(RCW\)](#), [Chapter 332-12 Washington Administrative Code \(WAC\)](#).
6. Maximum acres: 640 acres or one government-surveyed section (some parcels in this category exceed 1,000 acres).
7. Royalty rates: N/A
8. Agency in control of leasing: Product Sales and Leasing Division, Washington Department of Natural Resources, P.O. Box 47016 Olympia, WA 98504-47016. Phone: (360) 902-1642. E-mail: venice.goetz@dnr.wa.gov. Web site: www.dnr.wa.gov.

Setbacks

1. What rules/regulations/policies does your jurisdiction have in regard to well setbacks from private residences and/or other habitable structures for use by humans or animals? None in oil and gas rules or laws. However, there could be a setback determined in the environmental review and permitting phase.
2. Are there other sources of information on this matter that you could identify? No.

Spacing

1. Spacing requirements: Yes. Not smaller than the maximum area that can be efficiently drained by one well. Because we have no production, specific limits have never been set.
 - a. Density: Not greater than 160 acres for oil or 640 acres for gas.
 - b. Lineal: Not closer than 500 feet to lease boundary line.

2. Exceptions:
 - a. Basis: Department rules that prescribed location would not produce in paying quantities or that surface conditions would add a burden or hazard.
 - b. Approval: From the department.

Pooling

1. Authority to establish voluntary:
2. Authority to establish compulsory:

Unitization

1. Compulsory unitization of all or part of a pool or common source of supply: Yes, but only for secondary recovery.
2. Minimum percentage of voluntary agreement before approval of compulsory unitization:
 - a. Working interest: As determined by the Department.
 - b. Royalty interest: As determined by the Department.

Drilling Permit

1. Permits required for:
 - a. Drilling a producing or service well: Yes.
 - b. Seismic drilling: No but notification to the Department must be given.
 - c. Recompletion: Yes.
 - d. Plugging and abandoning: Yes, part of drilling permit.
2. Permit fee:

Drilling:	Depth (ft)	Amount
	0- 3,500	\$250
	3,501 - 7,000	\$500
	7,001 - 12,000	\$ 750
	12,001 or below	\$1,000

- a. Seismic drilling: \$100
 - b. Recompletion: \$100 under
 - c. Plugging and abandoning: No.
- 3. Require filing report of work performed: Yes.
 - 4. Sundry notices used: N/A

Vertical Deviation

- 1. Regulation requirement:
 - a. When is a directional survey necessary: Before beginning the deviation.
 - b. Filing of survey required: Yes.
 - c. Format of filing: N/A

Casing and Tubing

- 1. Minimum amount required: Yes. Depends on the situation. Each well is handled separately according to the conditions that exist.
 - a. Surface casing: Yes.
 - b. Production casing: Yes.
- 2. Minimum amount of cement required: Yes.
 - a. Surface casing: TD to surface.
 - b. Production casing: Yes, from the shoe to surface casing.
 - c. Setting time: Yes. Not less than 16 hours.
- 3. Tubing requirements:
 - a. Oil wells: Yes.
 - b. Gas wells: Yes.

Hydraulic Fracturing

- 1. Permitting: Part of Drilling Permit and SEPA (environmental) review.
 - a. Before drilling: Yes.
 - b. Before fracing: Yes.

- c. How long before: Must have approval of Oil and Gas Supervisor.
- 2. Reporting requirements:
 - a. Where reported: Report to Oil and Gas Supervisor.
 - b. When reported: Immediately.
- 3. Source water requirements: Yes.
- 4. Mechanical integrity:
 - a. Cementing log required: Yes.
 - b. Pressure testing: Yes.
 - c. Pressure monitoring: Yes.
 - d. Blowout preventer required: Yes.
- 5. Disposal of flowback fluids:
 - a. Retaining pits: Yes.
 - b. Tanks: Yes.
 - c. Approved discharge to surface water: Yes.
 - d. Underground injection: Yes.
- 6. Chemical disclosure requirement:
 - a. Mandatory: Yes.
 - b. Where disclosed: Oil and Gas Supervisor.
 - c. When disclosed (pre-fracing, post-fracing, both): Both.
 - d. Time limit to disclose: Immediately.
 - e. Information required to be disclosed: All.
 - f. Trade secret protection: No.
 - g. Required disclosure to health/emergency personnel: Yes.

Underground Injection

- 1. Agencies that control the underground injection of fluid by well class:
Department of Ecology.

Completion

1. Completion report required:
 - a. Time limit: 30 days.
 - b. Where submitted: Oil and Gas Supervisor, Department of Natural Resources, Division of Geology and Earth Resources, P O Box 47007, Olympia WA 98504-7007.
2. Well logs required to be filed: Yes.
 - a. Time limit: Thirty days for descriptive logs, 6 months for downhole surveys.
 - b. Where submitted: Oil and Gas Supervisor, Department of Natural Resources, Division of Geology and Earth Resources, P O Box 47007, Olympia WA 98504-7007.
 - c. Confidential time period: Yes. Twelve months from day of completion or abandonment.
 - d. Available for public use: Yes.
 - e. Log catalog available: Yes, http://wa-dnr.s3.amazonaws.com/publications/ger_geology_links.pdf
[http://wa-dnr.s3.amazonaws.com/publications/ger_geothermal_permit_application f orm.pdf](http://wa-dnr.s3.amazonaws.com/publications/ger_geothermal_permit_application_form.pdf)
3. Multiple completion regulation: Yes.
 - a. Approval obtained: Department action.
4. Commingling in well bore: Yes.
 - a. Approval obtained: Department action.

Oil Production

1. Definition of an oil well: No legal definition.
2. Potential tests required: No.
 - a. Time interval: On a case by case basis.
 - b. Witness required: Yes.

3. Maximum gas-oil ratio: Yes.
 - a. Provision for limiting gas-oil ratio: Yes.
 - b. Exception to limiting gas-oil ratio: Yes.
4. Bottom-hole pressure test reports required: No.
 - a. Periodical bottom-hole pressure surveys: No.
5. Commingling oil in common facilities: Yes, with written permission from the Supervisor.
6. Measurement involving meters: No.
7. Production reports: Yes.
 - a. By lease: N/A
 - b. By well: Yes.
 - c. Time limit: 30 days.

Gas Production

1. Definition of a gas well: No legal definition.
2. Pressure base _____ psia @ _____ degrees F.
3. Initial potential tests: Yes.
 - a. Time interval: 24 hours.
 - b. Witness required: Yes.
4. Bottom-hole pressure test reports required: No.
 - a. Periodical bottom-hole pressure surveys: No.
5. Commingling of gas in common facilities: Yes, with written permission from the Supervisor.
6. Measurement involving meters: Yes.
7. Production reports:
 - a. By lease: Yes.
 - b. By well: Yes.

c. Time limits: 30 days.