

**EXAMPLE WELL COMPLETIONS (“GREEN COMPLETIONS”) PERMIT – March 2010**

MONTH ##, YEAR

Well Completions Permit No. CT-####

The Division of Air Quality of the Wyoming Department of Environmental Quality has completed final review of the application to conduct well completion and re-completion activities in the Designated Area, Wyoming. The permit includes requirements to conduct well completions or re-completions using best management practices to reduce emissions of regulated pollutants associated with such activities to the extent practicable and to monitor, maintain records and report emissions from the completions or re-completion activities.

Following this agency's proposed approval of the request as published on Month ##, Year and in accordance with Chapter 6, Section 2(m) of the Wyoming Air Quality Standards and Regulations, the public was afforded a 30-day period in which to submit comments concerning the proposed permit and an opportunity for a public hearing. No comments have been received. Therefore, on the basis of the information provided to us, approval to conduct well completion as described in the application is hereby granted pursuant to Chapter 6, Section 2 of the regulations with the following conditions:

1. That authorized representatives of the Division of Air Quality be given permission to enter and inspect any property, premise or place on or at which an air pollution source is located or is being constructed or installed for the purpose of investigating actual or potential sources of air pollution and for determining compliance or non-compliance with any rules, standards, permits or orders.
2. That all substantive commitments and descriptions set forth in the application for this permit, unless superseded by a specific condition of this permit, are incorporated herein by this reference and are enforceable as conditions of this permit.
3. All notifications, reports and correspondence required by this permit shall be submitted to Cynthia Madison, DEQ/AQD, 125 N. Durbin Street, Suite 100 Casper, WY 82601 and a copy shall be submitted to the District Engineer, Air Quality Division, Street, Town, WY 82####.
4. The operator shall follow the operational plan for Best Management Practices described in the application for this permit to eliminate to the extent practicable emissions of volatile organic compounds and hazardous air pollutants associated with flaring and venting of hydrocarbon fluids recovered during well completion/re-completion activities.
5. Circumstances unacceptable for sending gas to flare during completions are:
  - A. lack of pipeline a connection due to reasons other than wildcat, exploratory or step-out well classification;
  - B. inadequate water disposal capacity;
  - C. undersized flow back equipment, lack of flow back equipment or lack of equipment operating personnel.
6. The opacity of visible emissions occurring during the flaring of completion/re-completion hydrocarbon liquids and gasses shall be limited to twenty (20) percent as determined by 40 CFR Part 60, Appendix A, Method 9.

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7. This permit shall become effective for all well completion and re-completion activities commencing after issuance of this permit.
8. The Division will reopen and revise this permit, as necessary, to add or delete requirements should the Division determine that:
  - A. the practical application of the terms and conditions of the permit are unfeasible or fail to achieve the intent of the permit, or;
  - B. the monitoring, recordkeeping, notification, or reporting requirements are inadequate to assure compliance with applicable requirements.

### MONITORING

9. The hydrocarbon or inert composition of gas recovered during completion and re-completion activities shall be sufficiently monitored in order to establish and verify salability or non-salability of the gas.
10. During flow back of completion and re-completion fluids, well pressure and gas sales/gathering pipeline pressure shall be monitored on no less than an hourly basis.

### RECORDKEEPING

11. Records identifying and summarizing total volumes of hydrocarbon liquids (bbls) and natural gas (MMCF) recovered (flared, vented, stored in tanks, pits, trucks or other containment, or sold to gathering lines, storage or containment vessels or trucks) from the well bore during completion/re-completion activities shall be maintained on a per well basis. The records shall include summaries of associated pressures of the well and the gas sales/gathering pipeline.
12. Records summarizing total tons of VOC, total HAPs, NO<sub>x</sub> and CO emissions associated with the flaring and venting of hydrocarbon liquids and natural gas recovered, as recorded under condition 11, shall be maintained for each completion/re-completion activity on a per well basis. The Division’s Well Completion Emission Spreadsheet <http://deq.state.wy.us/aqd/oilgas.asp> shall be used to calculate estimates of these emissions.
13. When specific operational circumstances require flaring or venting of hydrocarbon liquids or natural gas during well completion/re-completion activities records shall be maintained describing times, duration, and causes of events on a well by well basis.
14. All records required under this permit shall be kept for a period of at least five (5) years and shall be made available to the Division upon request.

### NOTIFICATION

15. Company shall notify the Division of each well completion/re-completion activity at least fifteen (15) days prior to the commencement of the activity. The notification shall be submitted via e-mail to <[cmadis@state.wy.us](mailto:cmadis@state.wy.us)> and to <engineer> and shall include:
  - A. location name and legal description;
  - B. anticipated start and finish dates.

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### REPORTING

16. Within forty (40) days of the First Date of Production, defined as the date of commingled production when producing zones are commingled and sufficiently tested and product is flowing from all completed zones through permanent production and sales equipment, Company shall submit to the Division for each completed/re-completed well:
  - A. A summary of the total volumes of hydrocarbon liquids (bbls) and natural gas (MMCF) recovered (flared, vented, stored in tanks, pits, trucks or other containment, or sold to gathering lines, storage or containment vessels or trucks) from the well bore during the completion/re-completion. The summary shall include percentages of total hydrocarbon liquids and gasses flared and vented.
  - B. The completed Well Completion Emission Spreadsheet described under condition 12.

It must be noted that this approval does not relieve you of your obligation to comply with all applicable county, state, and federal standards, regulations or ordinances. Special attention must be given to Chapter 6, Section 2 of the Wyoming Air Quality Standards and Regulations. Any appeal of this permit as a final action of the Department must be made to the Environmental Quality Council within sixty (60) days of permit issuance per Section 16, Chapter I, General Rules of Practice and Procedure, Department of Environmental Quality.

If we may be of further assistance to you, please feel free to contact this office.