



AREA OF REVIEW SUMMARY TABLE REPORT INSTRUCTIONS (Unconventional Operations Only)

GENERAL INFORMATION

The following instructions are designed to assist the applicant in properly completing the *Area of Review Summary Table Report* (Unconventional Operations Only) form. Pursuant to 25 Pa. Code Section 78a.52a (relating to Area of Review), unconventional operators who are planning to drill new wells are required to submit an area of review summary report inclusive of information pertaining to offset wells in the area of review and monitoring plan details for offset wells that require monitoring.

To complete the *Area of Review Summary Table Report*, operators must download the electronic form and use it to compile required information. Upon completion of the summary table report, the operator must submit the information to the Department of Environmental Protection (DEP) electronically through the DEP website. The report must be accompanied by a cross-referenced site plat that depicts all wells in the area of review. In certain cases, it may be important for the operator to complete a narrative report to accompany the summary table. All narrative reports should be saved in pdf format and uploaded along with the summary table and site plat. Submitted pdf files must be digitally created and searchable, not scanned.

INSTRUCTIONS

Information For Well That Will Be Hydraulically Fractured

Provide the DEP ID or OGO number for the operator planning to conduct hydraulic fracturing. Using "Y" or "N," indicate if all landowners with parcels intersecting the area of review were notified and if proof of notification is available. Next, indicate if any offset wells were identified in the AOR by inputting "Y" or "N."

Enter the US Well Number or API number assigned to the well that will be hydraulically fractured using the following format: CCC-XXXXX. CCC represents the three-digit county code and XXXXX represents the unique, 5-digit county ID. The sections of the API number must be separated by a dash (-). If a US Well Number or API number has not been assigned, enter the GreenPort Authorization ID for the submitted well permit. This number is provided automatically upon submission of the well permit. In this case, please also provide the municipality and county of the planned surface hole location of the well. Note that the identifier used in the summary report must be identical to that used on the site plat.

Provide the latitude and longitude in decimal degrees of the anticipated surface hole and bottomhole location of the well that will be hydraulically fractured. This should be North American Datum of 1983 (NAD 83). The space for the bottomhole location may be left blank for vertical wells.

Offset Well Information

The following information must be provided for each offset well identified within the area of review, when applicable. Information for each offset well must be entered in a separate line in the form.

Enter the US Well Number or API number assigned to the offset well using the following format: CCC-XXXXX. CCC represents the three-digit county code and XXXXX represents the unique, 5-digit county ID. The sections of the API number must be separated by a dash (-). If a US Well Number or API number has not been assigned, use the following numbering system: U1, U2, U3, etc. The identifiers used in the summary report must be identical to those used on the site plat.

Choose the reference material or source that was used to identify the offset well from the list of available options: DEP database, other database, historical source, operator map, landowner survey, aerial image, or field inspection. Next, select the status used to classify the offset well from the list of available options: active, inactive, orphan, abandoned, plugged & abandoned, or undetermined. If the offset well has been field verified, the status should reflect what was observed during the inspection.

If the offset well included in the summary report is the responsibility of an adjacent operator and notification in advance of well spud is required, please provide the DEP ID or OGO number for that operator. Leave this space blank if neither notification nor monitoring at the offset well is required. Indicate "No RP" if the well does not have an operator associated with it and requires monitoring. If the offset well is the responsibility of an adjacent operator and notification in advance of well spud is required, enter "Y" if that operator has been notified or "N" if the delivery service failed. This space should also be left blank if the well is the responsibility of the operator intending to conduct hydraulic fracturing activities at the well indicated in the first section of this form or if the well does not require notification in advance of well spud.

Provide the latitude and longitude in decimal degrees of the surface hole and bottomhole location of the offset well. Bottomhole coordinates are only necessary for intentionally deviated wells. The latitude and longitude should be North American Datum of 1983 (NAD 83). The surface hole location must meet the current DEP policy regarding locational accuracy (+/- 10 meters or better). If the offset well has been field verified and surveyed with a hand-held GPS or other surveying equipment, accuracy must be reported as a numerical value in meters in the space provided. For any offset well that has not been field verified, leave this space blank.

In the access field, enter "Y" if landowner consent for access has been granted or "N" if landowner consent for access has not been granted. Enter the property tax parcel ID number for the tract of land where the offset well is located.

Enter the true vertical depth (TVD) in feet for the offset well. This shall either be as reported in available records, or represent a best technical estimate provided by the operator in consideration of development history in the state in the area of activity. For an intentionally deviated well, this is the depth below the latitude-longitude equivalent surface location of the deepest penetration point. Please choose the information source for TVD from the list of available options: DEP Well Record, publication well depth, private source well record, study of regional drilling history, or other. A separate written report may be important to explain measures undertaken by the operator to investigate drilling history in an area.

For offset wells included in a monitoring plan that are observed in the field, the operator must assess the well's ability to contain fluids based on a surface visual inspection and other available information. Please choose from the list of available options: "1" if the well appears to have integrity based on field observation and any well construction details gleaned from a file review, "2" if the well appears to have compromised integrity based on field observation or may experience compromised integrity during hydraulic fracturing based on any well construction details gleaned from a file review, and "3" if the integrity status cannot be determined with reasonable confidence. For any wells not observed in the field, this space should be left blank.

If the offset well is included in a monitoring plan, indicate "Y," otherwise indicate "N." Next, choose the monitoring level from the list of available options: high, medium, or low. This space should be left blank for wells not requiring monitoring. Monitoring plan notes are optional and the space provided is available for specific notes explaining monitoring or mitigation plans for each offset well. Entries are limited to 255 characters or less.

The engineered communications field is for use if an operator has planned a controlled communication event in association with well efficiency testing. If such an event is planned, indicate "Y," otherwise indicate "N." This space should be left blank if the well does not require notification in advance of spud.

The text comment field is optional and intended for use in cases when further clarification may be necessary. Entries are limited to 255 characters or less.