APD Additional Necessary Information

1. Is an underground source of drinking water (40 CFR 144.3) in the project area? If so, describe where the drinking water exists in relation to the target formation and how drinking waters will be protected. If not, document that no underground sources of drinking water exist.
2. What is the *specific* source of water for drilling? (Onshore Order No 1). Estimate how much water will be required to complete the proposed project, including water for drilling and dust abatement?
3. What is the final destination for produced water (i.e., disposal well, treatment facility, re-injection project, etc.)? (Onshore Order Nos. 1 and 7).
4. If a drilling sump will be employed, provide the BLM with a copy of your associated Notice of Applicability of Water Quality Order 2003-0003-DWQ issued by the regional water board. Attach all information submitted to the water board, including the Discharge Monitoring Plan, drilling mud composition, and MSDS sheets. Also, if disposing of drilling waste off-site, describe the disposal method/location (Onshore Order No. 1).
5. Has this oil field experienced any well barrier and/or well integrity failures (a well integrity failure is defined as a failure of all well barriers, establishing a pathway that enables leakage into the surrounding environment)? If so, explain why the failure(s) occurred, what measures have been taken to prevent subsequent failures, and what the likelihood is of another failure occurring.
6. Estimate emissions of criteria pollutants and greenhouse gases for each year for the life of the project. At a minimum, the following emissions sources will be considered: fugitive dust, fuel-burning equipment, fuel-burning vehicles (light and heavy duty trucks/vehicles), venting, flaring, and leakages. Document all assumptions upon which estimates are based. List all CARB/APCD permits acquired in association with the proposed project. Provide a detailed description of operator committed measures to reduce project related air pollutant emissions and air quality impacts.
7. Will steam be applied to the proposed well? If so, describe the water source for steam injection, how much water would be required to steam the well, and the potential for surface expressions to result from steam injection. If surface expressions are not anticipated, explain why. If steam injection is employed in the subject oil field and you do not plan to steam the proposed well, explain why steaming is not foreseeable.
8. Does this well have the potential to be hydraulically fractured (HF), acid fractured, or matrix acidized in the future? Prior to conducting such operations, provide BLM with a copy of the State permit application to perform a well stimulation treatment. If these activities are not foreseeable, explain why.