

(b) *Drilling fluids.* A table showing the projected amount, discharge rate, and chemical constituents for each type (i.e., water based, oil based, synthetic based) of drilling fluid you plan to use to drill your proposed development wells.

(c) *Production.* The following production information:

(1) Estimates of the average and peak rates of production for each type of production and the life of the reservoir(s) you intend to produce; and

(2) The chemical and physical characteristics of the produced oil (see definition under 30 CFR 254.6) that you will handle or store at the facilities you will use to conduct your proposed development and production activities.

(d) *Chemical products.* A table showing the name and brief description, quantities to be stored, storage method, and rates of usage of the chemical products you will use to conduct your proposed development and production activities. You need list only those chemical products you will store or use in quantities greater than the amounts defined as Reportable Quantities in 40 CFR part 302, or amounts specified by the Regional Supervisor.

(e) *New or unusual technology.* A description and discussion of any new or unusual technology (see definition under §250.200) you will use to carry out your proposed development and production activities. In the public information copies of your DPP or DOCD, you may exclude any proprietary information from this description. In that case, include a brief discussion of the general subject matter of the omitted information. If you will not use any new or unusual technology to carry out your proposed development and production activities, include a statement so indicating.

(f) *Bonds, oil spill financial responsibility, and well control statements.* Statements attesting that:

(1) The activities and facilities proposed in your DPP or DOCD are or will be covered by an appropriate bond under 30 CFR part 256, subpart I;

(2) You have demonstrated or will demonstrate oil spill financial responsibility for facilities proposed in your DPP or DOCD, according to 30 CFR part 253; and

(3) You have or will have the financial capability to drill a relief well and conduct other emergency well control operations.

(g) *Suspensions of production or operations.* A brief discussion of any suspensions of production or suspensions of operations that you anticipate may be necessary in the course of conducting your activities under the DPP or DOCD.

(h) *Blowout scenario.* A scenario for a potential blowout of the proposed well in your DPP or DOCD that you expect will have the highest volume of liquid hydrocarbons. Include the estimated flow rate, total volume, and maximum duration of the potential blowout. Also, discuss the potential for the well to bridge over, the likelihood for surface intervention to stop the blowout, the availability of a rig to drill a relief well, and rig package constraints. Estimate the time it would take to drill a relief well.

(i) *Contact.* The name, mailing address, (e-mail address if available), and telephone number of the person with whom the Regional Supervisor and the affected State(s) can communicate about your DPP or DOCD.

**§ 250.244 What geological and geophysical (G&G) information must accompany the DPP or DOCD?**

The following G&G information must accompany your DPP or DOCD:

(a) *Geological description.* A geological description of the prospect(s).

(b) *Structure contour maps.* Current structure contour maps (depth-based, expressed in feet subsea) showing depths of expected productive formations and the locations of proposed wells.

(c) *Two dimensional (2-D) or three-dimensional (3-D) seismic lines.* Copies of migrated and annotated 2-D or 3-D seismic lines (with depth scale) intersecting at or near your proposed well locations. You are not required to conduct both 2-D and 3-D seismic surveys if you choose to conduct only one type of survey. If you have conducted both types of surveys, the Regional Supervisor may instruct you to submit the results of both surveys. You must interpret and display this information.

Provide this information as an enclosure to only one proprietary copy of your DPP or DOCD.

(d) *Geological cross-sections.* Interpreted geological cross-sections showing the depths of expected productive formations.

(e) *Shallow hazards report.* A shallow hazards report based on information obtained from a high-resolution geophysical survey, or a reference to such report if you have already submitted it to the Regional Supervisor.

(f) *Shallow hazards assessment.* For each proposed well, an assessment of any seafloor and subsurface geologic and manmade features and conditions that may adversely affect your proposed drilling operations.

(g) *High resolution seismic lines.* A copy of the high-resolution survey line closest to each of your proposed well locations. Because of its volume, provide this information as an enclosure to only one proprietary copy of your DPP or DOCD. You are not required to provide this information if the surface location of your proposed well has been approved in a previously submitted EP, DPP, or DOCD.

(h) *Stratigraphic column.* A generalized biostratigraphic/lithostratigraphic column from the surface to the total depth of each proposed well.

(i) *Time-versus-depth chart.* A seismic travel time-versus-depth chart based on the appropriate velocity analysis in the area of interpretation and specifying the geodetic datum.

(j) *Geochemical information.* A copy of any geochemical reports you used or generated.

(k) *Future G&G activities.* A brief description of the G&G explorations and development G&G activities that you may conduct for lease or unit purposes after your DPP or DOCD is approved.

**§ 250.245 What hydrogen sulfide (H<sub>2</sub>S) information must accompany the DPP or DOCD?**

The following H<sub>2</sub>S information, as applicable, must accompany your DPP or DOCD:

(a) *Concentration.* The estimated concentration of any H<sub>2</sub>S you might encounter or handle while you conduct your proposed development and production activities.

(b) *Classification.* Under § 250.490(c), a request that the Regional Supervisor classify the area of your proposed development and production activities as either H<sub>2</sub>S absent, H<sub>2</sub>S present, or H<sub>2</sub>S unknown. Provide sufficient information to justify your request.

(c) *H<sub>2</sub>S Contingency Plan.* If you request that the Regional Supervisor classify the area of your proposed development and production activities as either H<sub>2</sub>S present or H<sub>2</sub>S unknown, an H<sub>2</sub>S Contingency Plan prepared under § 250.490(f), or a reference to an approved or submitted H<sub>2</sub>S Contingency Plan that covers the proposed development and production activities.

(d) *Modeling report.* (1) If you have determined or estimated that the concentration of any H<sub>2</sub>S you may encounter or handle while you conduct your development and production activities will be greater than 500 parts per million (ppm), you must:

(i) Model a potential worst case H<sub>2</sub>S release from the facilities you will use to conduct your proposed development and production activities; and

(ii) Include a modeling report or modeling results, or a reference to such report or results if you have already submitted it to the Regional Supervisor.

(2) The analysis in the modeling report must be specific to the particular site of your development and production activities, and must consider any nearby human-occupied OCS facilities, shipping lanes, fishery areas, and other points where humans may be subject to potential exposure from an H<sub>2</sub>S release from your proposed activities.

(3) If any H<sub>2</sub>S emissions are projected to affect an onshore location in concentrations greater than 10 ppm, the modeling analysis must be consistent with the EPA's risk management plan methodologies outlined in 40 CFR part 68.

**§ 250.246 What mineral resource conservation information must accompany the DPP or DOCD?**

The following mineral resource conservation information, as applicable, must accompany your DPP or DOCD:

(a) *Technology and reservoir engineering practices and procedures.* A description of the technology and reservoir