

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.

(h) *Contact*. The name, address (e-mail address, if available), and telephone number of the person with whom the Regional Supervisor and any affected State(s) can communicate about your EP.

§ 250.214 What geological and geophysical (G&G) information must accompany the EP?

The following G&G information must accompany your EP:

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

(b) *Structure contour maps*. Current structure contour maps (depth-based, expressed in feet subsea) drawn on the top of each prospective hydrocarbon-bearing reservoir showing 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. Because of its volume, provide this information as an enclosure to only one proprietary copy of your EP.

(d) *Geological cross-sections*. Interpreted geological cross-sections showing the location and depth of each proposed well.

(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 geological

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 EP. 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 the prospect.

(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 types of G&G explorations and development G&G activities you may conduct for lease or unit purposes after your EP is approved.

§ 250.215 What hydrogen sulfide (H₂S) information must accompany the EP?

The following H₂S information, as applicable, must accompany your EP:

(a) *Concentration*. The estimated concentration of any H₂S you might encounter while you conduct your proposed exploration activities.

(b) *Classification*. Under § 250.490(c), a request that the Regional Supervisor classify the area of your proposed exploration activities as either H₂S absent, H₂S present, or H₂S unknown. Provide sufficient information to justify your request.

(c) *H₂S Contingency Plan*. If you ask the Regional Supervisor to classify the area of your proposed exploration activities as either H₂S present or H₂S unknown, an H₂S Contingency Plan prepared under § 250.490(f), or a reference to an approved or submitted H₂S Contingency Plan that covers the proposed exploration activities.

(d) *Modeling report*. If you modeled a potential H₂S release when developing

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your EP, modeling report or the modeling results, or a reference to such report or results if you have already submitted it to the Regional Supervisor.

(1) The analysis in the modeling report must be specific to the particular site of your proposed exploration 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 H₂S release from your proposed exploration activities.

(2) If any H₂S emissions are projected to affect an onshore location in concentrations greater than 10 parts per million, the modeling analysis must be consistent with the Environmental Protection Agency's (EPA) risk management plan methodologies outlined in 40 CFR part 68.

§ 250.216 What biological, physical, and socioeconomic information must accompany the EP?

If you obtain the following information in developing your EP, or if the Regional Supervisor requires you to obtain it, you must include a report, or the information obtained, or a reference to such a report or information if you have already submitted it to the Regional Supervisor, as accompanying information:

(a) *Biological environment reports.* Site-specific information on chemosynthetic communities, federally listed threatened or endangered species, marine mammals protected under the Marine Mammal Protection Act (MMPA), sensitive underwater features, marine sanctuaries, critical habitat designated under the Endangered Species Act (ESA), or other areas of biological concern.

(b) *Physical environment reports.* Site-specific meteorological, physical oceanographic, geotechnical reports, or archaeological reports (if required under § 250.194).

(c) *Socioeconomic study reports.* Socioeconomic information regarding your proposed exploration activities.

[70 FR 51501, Aug. 30, 2005, as amended at 72 FR 18584, Apr. 13, 2007]

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§ 250.217 What solid and liquid wastes and discharges information and cooling water intake information must accompany the EP?

The following solid and liquid wastes and discharges information and cooling water intake information must accompany your EP:

(a) *Projected wastes.* A table providing the name, brief description, projected quantity, and composition of solid and liquid wastes (such as spent drilling fluids, drill cuttings, trash, sanitary and domestic wastes, and chemical product wastes) likely to be generated by your proposed exploration activities. Describe:

(1) The methods you used for determining this information; and

(2) Your plans for treating, storing, and downhole disposal of these wastes at your drilling location(s).

(b) *Projected ocean discharges.* If any of your solid and liquid wastes will be discharged overboard, or are planned discharges from manmade islands:

(1) A table showing the name, projected amount, and rate of discharge for each waste type; and

(2) A description of the discharge method (such as shunting through a downpipe, etc.) you will use.

(c) *National Pollutant Discharge Elimination System (NPDES) permit.* (1) A discussion of how you will comply with the provisions of the applicable general NPDES permit that covers your proposed exploration activities; or

(2) A copy of your application for an individual NPDES permit. Briefly describe the major discharges and methods you will use for compliance.

(d) *Modeling report.* The modeling report or the modeling results (if you modeled the discharges of your projected solid or liquid wastes when developing your EP), or a reference to such report or results if you have already submitted it to the Regional Supervisor.

(e) *Projected cooling water intake.* A table for each cooling water intake structure likely to be used by your proposed exploration activities that includes a brief description of the cooling water intake structure, daily water intake rate, water intake through screen velocity, percentage of water intake used for cooling water, mitigation