Gulf of Mexico Plans Workshop

Revised Plan Requirements

July 18, 2017 Hyatt Regency New Orleans



Michelle Uli Picou Chief, Plans Section Office of Leasing and Plans Gulf of Mexico Region



When to Revise a Plan

BOEM Regulations (30 CFR 550.283)

You must revise your approved EP, DPP, or DOCD when you propose to:

- Change the type of drilling rig, production facility, or transportation mode;
- Change the surface location of well or production platform by a distance more than that specified by Regional Supervisor;
- Change the type of production or significantly increase volume of production or storage capacity;
- Increase the emissions of an air pollutant to an amount that exceeds the amount specified in your approved EP, DPP, or DOCD;





When to Revise a Plan

BOEM Regulations (30 CFR 550.283)

You must revise your approved EP, DPP, or DOCD when you propose to:

- Significantly increase amount of solid or liquid wastes to be handled or discharged;
- Request new H₂S area classification or increase the concentration of H₂S greater than that specified by the Regional Supervisor;
- Change the location of your onshore support base either from one state to another or to a new base or a base requiring expansion; or
- Change any other activity specified by the Regional Supervisor.





When to Revise a Plan

BOEM Procedures

- Plans Section determines if the Revised Plan will result in a significant change to the impacts previously identified and evaluated in the original plan approval.
- BOEM reviews the information submitted to ensure that any portion of the previously approved plan affected by the revision is updated.





Information to Include in Revised Plan

Always include the following information:

- Cover letter detailing the sections of the plan you are revising
- Plan Contents reference previously approved plan control # and approval date
- Form BOEM-0137 include pages 1 and 2
- General Information include bonding, OSFR statements
- Updated Air Emissions Information
- Oil Spill Information Section include updated references to your approved OSRP





AST for wells crossing lease line with subsea BOP and new formation (NEPA is EA)

| | - | | |
|--------------------------------------|---|---|---|
| Cover Letter | х | Deep Seismic Lines | |
| Plans Contents | x | Stratigraphic Column | х |
| OCS Plans Forms | х | Time vs. Depth Table | |
| Location Plat | х | Geochemical Information | |
| Vicinity Plat | х | Future G&G Activities | |
| Anchor Pattern Plat | х | Hydrogen Sulfide | х |
| Storage Tank/Production Vessels | х | Resource Conservation Information | x |
| Pollution Prevention Measures | х | Biological, Physical Information | х |
| Additional Measures | х | Waste and Discharge Information | х |
| Applications and Permits | х | Projected Air Emissions | х |
| Drilling Fluids | х | Oil Spill Information | х |
| Production | х | Environmental Monitoring Info | х |
| New or Unusual Technology | x | Lease Stipulation Information | х |
| Bonding | х | Env. Mitigation Measures Info | х |
| Oil Spill Financial Responsibility | х | Decommissioning Information | |
| Deepwater Well Control Statement | х | Related Facilities and Operations Info | х |
| Suspensions of Production | х | Support Vessels & Aircraft Info | х |
| Blowout Information | х | Solid & Liquid Waste Transportation | х |
| Geological Narrative | х | Onshore Support Base Facilities Info | х |
| Structure Maps | х | Sulphur Operations Information | |
| Shallow Hazards Lines | х | Coastal Zone Management Info | х |
| Geological Cross Section | х | Environmental Impact Analysis (EIA) | х |
| Shallow Hazards Report | | Administrative Information | х |
| Shallow Hazards Assessment | х | | |
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AST for wells crossing lease line into previously penetrated formation (NEPA is CER)

| Cover Letter | х | Deep Seismic Lines | |
|------------------------------------|---|--|---|
| Plans Contents | x | Stratigraphic Column | х |
| OCS Plans Forms | х | Time vs. Depth Table | |
| Location Plat | x | Geochemical Information | |
| Vicinity Plat | х | Future G&G Activities | |
| Anchor Pattern Plat | x | Hydrogen Sulfide | х |
| Storage Tank/Production Vessels | х | Resource Conservation Information | |
| Pollution Prevention Measures | | Biological, Physical Information | х |
| Additional Measures | | Waste and Discharge Information | х |
| Applications and Permits | | Projected Air Emissions | х |
| Drilling Fluids | х | Oil Spill Information | х |
| Production | x | Environmental Monitoring Info | |
| New or Unusual Technology | | Lease Stipulation Information | |
| Bonding | х | Env. Mitigation Measures Info | |
| Oil Spill Financial Responsibility | x | Decommissioning Information | |
| Deepwater Well Control Statement | х | Related Facilities and Operations Info | х |
| Suspensions of Production | х | Support Vessels & Aircraft Info | х |
| Blowout Information | х | Solid & Liquid Waste Transportation | х |
| Geological Narrative | х | Onshore Support Base Facilities Info | х |
| Structure Maps | x | Sulphur Operations Information | |
| Shallow Hazards Lines | x | Coastal Zone Management Info | |
| Geological Cross Section | x | Environmental Impact Analysis (EIA) | |
| Shallow Hazards Report | | Administrative Information | |
| Shallow Hazards Assessment | | | |
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AST for wells not crossing lease line

| х | Deep Seismic Lines | |
|---|---|--|
| x | Stratigraphic Column | |
| х | Time vs. Depth Table | |
| | Geochemical Information | |
| | Future G&G Activities | |
| х | Hydrogen Sulfide | |
| | Resource Conservation Information | |
| | Biological, Physical Information | |
| | Waste and Discharge Information | |
| | Projected Air Emissions | х |
| | Oil Spill Information | х |
| | Environmental Monitoring Info | |
| | Lease Stipulation Information | |
| x | Env. Mitigation Measures Info | |
| x | Decommissioning Information | |
| x | Related Facilities and Operations Info | |
| x | Support Vessels & Aircraft Info | |
| х | Solid & Liquid Waste Transportation | |
| | Onshore Support Base Facilities Info | х |
| | Sulphur Operations Information | |
| | Coastal Zone Management Info | |
| | Environmental Impact Analysis (EIA) | |
| | Administrative Information | |
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Change in Activity Schedule for wells & platform with same SL/BHL (approved plan > 2010)

| х | Deep Seismic Lines | |
|---|--|--|
| x | Stratigraphic Column | |
| x | Time vs. Depth Table | |
| | Geochemical Information | |
| | Future G&G Activities | |
| | Hydrogen Sulfide | |
| | Resource Conservation Information | |
| | Biological, Physical Information | |
| | Waste and Discharge Information | |
| | Projected Air Emissions | х |
| | Oil Spill Information | х |
| | Environmental Monitoring Info | |
| | Lease Stipulation Information | |
| x | Env. Mitigation Measures Info | |
| x | Decommissioning Information | |
| | Related Facilities and Operations Info | |
| x | Support Vessels & Aircraft Info | |
| x | Solid & Liquid Waste Transportation | |
| | Onshore Support Base Facilities Info | х |
| | Sulphur Operations Information | |
| | Coastal Zone Management Info | |
| | Environmental Impact Analysis (EIA) | |
| | Administrative Information | |
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Change in Surface Location of Wells or Platform (approved plan > 2010)

| Cover Letter | х | Deep Seismic Lines | х |
|--------------------------------------|---|--|---|
| Plans Contents | x | Stratigraphic Column | х |
| OCS Plans Forms | х | Time vs. Depth Table | |
| Location Plat | х | Geochemical Information | |
| Vicinity Plat | х | Future G&G Activities | |
| Anchor Pattern Plat | х | Hydrogen Sulfide | х |
| Storage Tank/Production Vessels | х | Resource Conservation Information | х |
| Pollution Prevention Measures | х | Biological, Physical Information | х |
| Additional Measures | x | Waste and Discharge Information | х |
| Applications and Permits | х | Projected Air Emissions | х |
| Drilling Fluids | х | Oil Spill Information | х |
| Production | х | Environmental Monitoring Info | х |
| New or Unusual Technology | х | Lease Stipulation Information | х |
| Bonding | х | Env. Mitigation Measures Info | х |
| Oil Spill Financial Responsibility | х | Decommissioning Information | |
| Deepwater Well Control Statement | х | Related Facilities and Operations Info | х |
| Suspensions of Production | х | Support Vessels & Aircraft Info | х |
| Blowout Information | х | Solid & Liquid Waste Transportation | х |
| Geological Narrative | х | Onshore Support Base Facilities Info | х |
| Structure Maps | x | Sulphur Operations Information | x |
| Shallow Hazards Lines | x | Coastal Zone Management Info | х |
| Geological Cross Section | х | Environmental Impact Analysis (EIA) | х |
| Shallow Hazards Report | x | Administrative Information | х |
| Shallow Hazards Assessment | х | | |
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Change in Rig Type

| х | Deep Seismic Lines | |
|---|---|--|
| x | Stratigraphic Column | |
| х | Time vs. Depth Table | |
| х | Geochemical Information | |
| х | Future G&G Activities | |
| х | Hydrogen Sulfide | |
| х | Resource Conservation Information | |
| | Biological, Physical Information | х |
| | Waste and Discharge Information | х |
| | Projected Air Emissions | х |
| x | Oil Spill Information | х |
| | Environmental Monitoring Info | |
| х | Lease Stipulation Information | |
| x | Env. Mitigation Measures Info | |
| x | Decommissioning Information | |
| х | Related Facilities and Operations Info | |
| x | Support Vessels & Aircraft Info | х |
| | Solid & Liquid Waste Transportation | |
| | Onshore Support Base Facilities Info | х |
| | Sulphur Operations Information | |
| | Coastal Zone Management Info | |
| | Environmental Impact Analysis (EIA) | |
| | Administrative Information | |
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Change in H₂S Classification

| Cover Letter | х | Deep Seismic Lines | |
|------------------------------------|---|---|---|
| Plans Contents | x | Stratigraphic Column | |
| OCS Plans Forms | x | Time vs. Depth Table | |
| Location Plat | | Geochemical Information | |
| Vicinity Plat | | Future G&G Activities | |
| Anchor Pattern Plat | | Hydrogen Sulfide | х |
| Storage Tank/Production Vessels | | Resource Conservation Information | |
| Pollution Prevention Measures | | Biological, Physical Information | |
| Additional Measures | | Waste and Discharge Information | |
| Applications and Permits | | Projected Air Emissions | х |
| Drilling Fluids | | Oil Spill Information | х |
| Production | | Environmental Monitoring Info | |
| New or Unusual Technology | | Lease Stipulation Information | |
| Bonding | x | Env. Mitigation Measures Info | |
| Oil Spill Financial Responsibility | x | Decommissioning Information | |
| Deepwater Well Control Statement | х | Related Facilities and Operations Info | |
| Suspensions of Production | х | Support Vessels & Aircraft Info | |
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| Shallow Hazards Report | | Administrative Information | |
| Shallow Hazards Assessment | | | |





Change in Affected State

| Cover LetterXDeep Seismic LinesPlans ContentsXStratigraphic Column | |
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| Plans Contents X Stratigraphic Column | |
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| OCS Plans Forms X Time vs. Depth Table | |
| Location Plat X Geochemical Information | |
| Vicinity Plat X Future G&G Activities | |
| Anchor Pattern Plat Hydrogen Sulfide | |
| Storage Tank/Production Vessels X Resource Conservation Information | |
| Pollution Prevention Measures Biological, Physical Information | |
| Additional Measures Waste and Discharge Information | х |
| Applications and Permits X Projected Air Emissions | х |
| Drilling Fluids X Oil Spill Information | х |
| Production Environmental Monitoring Info | |
| New or Unusual Technology Lease Stipulation Information | |
| Bonding X Env. Mitigation Measures Info | |
| Oil Spill Financial Responsibility X Decommissioning Information | |
| Deepwater Well Control Statement X Related Facilities and Operations Info | х |
| Suspensions of Production X Support Vessels & Aircraft Info | х |
| Blowout Information Solid & Liquid Waste Transportation | х |
| Geological Narrative Onshore Support Base Facilities Info | х |
| Structure Maps Sulphur Operations Information | |
| Shallow Hazards Lines Coastal Zone Management Info | х |
| Geological Cross Section Environmental Impact Analysis (EIA) | х |
| | |
| Shallow Hazards Report Administrative Information | |





Change in AQR for Equipment Changes

| х | Deep Seismic Lines | |
|---|--|--|
| x | Stratigraphic Column | |
| x | Time vs. Depth Table | |
| | Geochemical Information | |
| | Future G&G Activities | |
| | Hydrogen Sulfide | |
| x | Resource Conservation Information | |
| x | Biological, Physical Information | |
| | Waste and Discharge Information | |
| x | Projected Air Emissions | х |
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| | Env. Mitigation Measures Info | |
| | Decommissioning Information | |
| | Related Facilities and Operations Info | х |
| | Support Vessels & Aircraft Info | х |
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Thank you very much for the opportunity to speak with you!

Michelle Uli Picou Office of Leasing and Plans Contact: michelle.picou@boem.gov





