



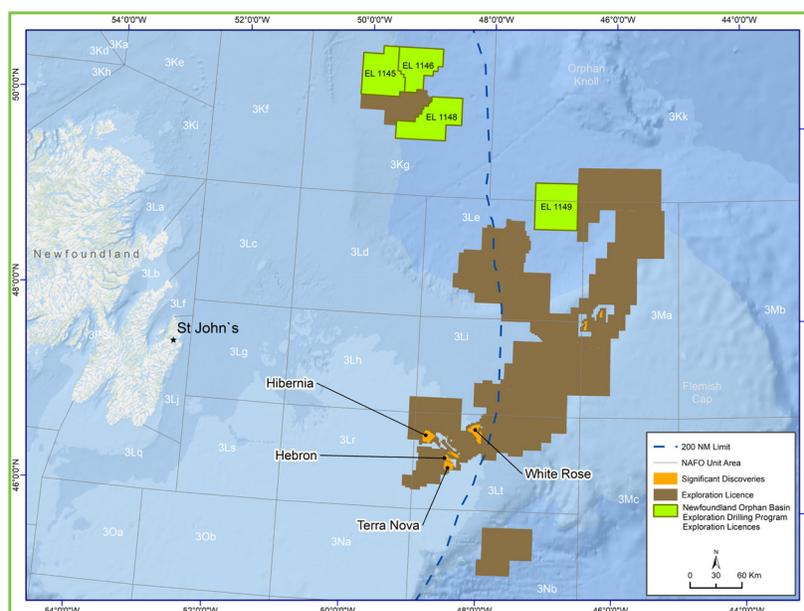
Newfoundland

Orphan Basin Exploration Drilling Program

February 2020

Overview

BP Canada Energy Group ULC ("BP") is proposing to conduct exploration drilling activities within the areas of offshore exploration licences (ELs) that BP operates in the Orphan Basin, approximately 343 to 496 kilometres northeast of St. John's, Newfoundland and Labrador. The Newfoundland Orphan Basin Exploration Drilling Program may involve drilling up to 20 exploration wells between 2022 and 2026 with an initial well currently planned for 2022, pending regulatory approval.



Project Timeline and Status

In September 2018, BP submitted an Environmental Impact Statement to the Canadian Environmental Assessment Agency (now the Impact Assessment Agency of Canada). In November 2019, the Impact Assessment Agency of Canada (IAAC) released, for public comment, a draft Environmental Assessment Report and proposed conditions should the project be approved. Following this review period which ended in December, the IAAC is providing an updated Environmental Assessment Report and proposed conditions to the Minister of Environment for review. A Decision Statement, and if applicable, Conditions of Approval, is expected in February 2020.

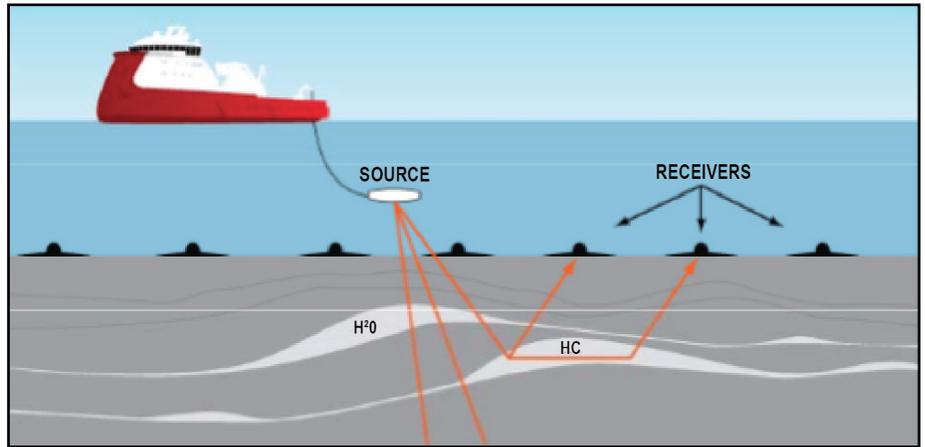
In addition to completing the environmental assessment process, additional authorizations from the Canada-Newfoundland and Labrador Offshore Petroleum Board

(C-NLOPB) and other regulatory agencies are required. BP continues to advance project planning and recently announced that should the drilling program receive the necessary authorizations to proceed, an initial exploratory well is proposed for 2022.

To advance project planning and inform decision making, BP is proposing to conduct a controlled source electromagnetic survey in the West Orphan Basin in 2020 (within ELs 1145 and 1146). This survey, which will require its own environmental assessment and authorization from the C-NLOPB, will collect data that may help assess potential oil and gas resource prospectivity for the proposed future exploration drilling program. It is expected that the survey would take approximately 45 days, and pending C-NLOPB authorization, would occur between May and October 2020.

Controlled Source Electro-magnetic (CSEM) Survey

CSEM uses electromagnetic remote sensing technology to help indicate the presence and extent of hydrocarbons below the seabed. An electromagnetic source is towed behind a survey vessel approximately 30 metres above the seabed. An electromagnetic signal propagates through the subsurface and back to receivers which have been positioned in a grid pattern on the seafloor prior to the start of the survey.



Source: Carstens, H. 2009. Technology: Changing exploration- using non-seismic technology. *GEOExPro* 6(1). Available online at: <https://www.geoexpro.com/articles/2009/01/technology-changing-exploration-using-non-seismic-technology>

The data from the survey can be used to assess the type and scale of hydrocarbon sources within a reservoir and therefore increase the probability of drilling success while reducing commercial risk and the environmental footprint of exploratory drilling programs.

An environmental assessment will be conducted to evaluate potential effects of the CSEM survey, including but not limited to, effects on marine fish (with a focus on elasmobranchs [sharks, rays, skates] and species at risk),

marine mammals, sea turtles, marine birds, fisheries and other ocean users. Survey location details will be shared with Indigenous groups and fisheries stakeholders prior to survey start and a fisheries liaison officer on board the survey vessel will help reduce potential conflicts with fishing activities. To access environmental assessment documents as they become available, refer to the C-NLOPB's website for Project-based Environmental Assessments:

<https://www.cnlopbc.ca/assessments/>

Staff Updates



Todd Lapinski

Todd is the Exploration Manager for Canada. He joined BP in 2003 and has worked a variety of exploration and appraisal projects within Gulf of Mexico, Trinidad and Tobago, Libya, Egypt, Indonesia and now Atlantic Canada. Todd is accountable and responsible for delivery of an integrated exploration plan to the region, which includes evaluations of access options through to prospect delivery. Todd is excited to meet and interact with local stakeholders in the near future.

How to Contact Us

We believe communication is key to building and maintaining relationships with the communities within which we operate. If you have any questions, comments or concerns, please contact us.

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