



**Weekly Status Report of Oil and Gas Activities for Canada-Newfoundland and Labrador Offshore Area**  
As of: November 14, 2017

WELL OPERATIONS							
Well (Unique Well Identifier)	Coordinates (NAD83)	Licence	Installation	Spud Date	Current Status (Current Depth / Projected Total Depth)		
Suncor Energy et al Terra Nova F-88 1Z 300F884630048151	46° 27' 19.92" N 48° 27' 41.43" W	PL 1002	Transocean Barents	13-Nov-2017	Drilling Operations: 1719m/3690m		
Husky Oil et al White Rose J-05 7 307J054650048000	46° 44' 37.8719" N 48° 00' 38.2307" W	Pl 1006 & 1007	Henry Goodrich	25-Apr-2017	Drilling Operations: 6146m/6800m		
HMDC Hibernia B-16 11Z 311B164650048451	46° 45' 02.14" N 48° 46' 54.36" W	PL 1001	Hibernia Platform	1-Nov-2017	Drilling Operations: 8331m/8773m (Sidetrack)		
EMCP Hebron L-93 2 302L934640048150	46° 32' 38.316" N 48° 29' 52.933" W	PL 1012	Hebron Platform	20-Sep-2017	Completion Operations: 3264m/3257m		
GEOSCIENTIFIC PROGRAMS							
Program Number	Operator/Survey (Location)	Vessel	Authorization Date	Data Completed (Planned)			Current Status
				line km	km <sup>2</sup>	Other	
21220-020-001	Fugro GeoSurveys / Seep Sampling (EN)	Maersk Norseman	13-Oct-2017	3319 (3319)		1 Core Sample (150) 13 Heat Flow Measurements (13)	Fugro Discovery completed operations on November 3, 2017. The Maersk Norseman commenced operations on November 4, 2017 and is currently acquiring data for this program - 1 Core sample and 13 Heat Flow measurements acquired this week
56120-020-006	EMGS / Controlled Source Electromagnetics	Atlantic Guardian	7-Nov-2017	0 (354)			Receivers Deployed

<b>Categories of Operations</b>	
Mobilizing to Wellsite:	All activities associated with mobilizing the drilling installation/drilling rig to the well.
Preparing to Spud:	All pre-spud activities from the time that the drilling installation arrives on location until the well is spudded (initial penetration of the seafloor to start the drilling of a well).
Drilling Operations:	All operations associated with drilling a well including casing, cementing, running BOP stack, fishing, sidetracking, reaming, logging, coring and formation flow testing as well as any downtime associated with equipment failure (or otherwise) while drilling operations are in progress.
Completion Operations:	All operations associated with completing a well including installation of the production tree and all other operations associated with preparing a well for production or injection operations.
Ice Delay:	Any downtime associated with pack ice or icebergs.
Weather Delay:	Any downtime associated with heavy weather.
Suspension/Abandonment Operations:	All activities associated with either plugging and abandoning a well, or suspending a well as well as operations associated with demobilizing the drilling installation from the well.
Well Intervention/Workover Operations:	All activities associated with performing a workover or well intervention.
Operation Suspended	Any suspension operation for reasons other than equipment failure or ice or weather delay.
<b>Glossary of Terms</b>	
BOP Stack:	Blowout preventer stack - an assembly of heavy-duty valves attached to the wellhead to control well pressure and prevent a blowout.
Casing:	Steel pipe set in a well to prevent the hole from sloughing or caving and to enable formations to be isolated (there may be several strings of casing in a well, one inside the other).
Cementing:	Pumping a liquid slurry of cement, water and other additives behind a string of casing to isolate formations.
Fishing:	Operations to recover an object lost or stuck in the wellbore that is obstructing operations.
Injection/Injecting:	Injecting fluids into the reservoir to provide a driving mechanism for increased oil or gas production.
Logging:	Acquisition of downhole data using tools run in the well, usually on wireline.
Producing/Production:	Flowing reservoir fluids from a well to the production system.
Production Tree:	An arrangement of heavy-duty valves and fittings installed on the wellhead to control production from the well and/or to facilitate injection operations.
Reaming:	An operation to restore a wellbore to its original diameter (occasionally, a wellbore will cave in).
Seismic kilometers:	The total number of kilometers of data recorded in a geophysical program.
Sidetracking:	The operation of deviating a well around a fish.
Well Intervention/Workover:	An operation to repair equipment or to restore or increase production or injection.
<b>Current Status</b>	
Mobilizing to Wellsite.	This activity would include any activity associated with mobilizing the drilling installation/drilling rig to the well including towing the rig to site, steaming to location, running and pre-tensioning anchors, testing and commissioning the DP system, skidding the rig from one well slot to another, jacking-up and pre-loading jack-ups and all other activities associated with mobilizing the rig to the wellsite.
Preparing to Spud.	This includes all pre-spud operations such as testing and commissioning equipment prior to spud, picking-up and making-up various drilling assemblies, stump testing the BOP stack and all other activities conducted during the time that the drilling installation arrives on location until the well is spudded.
Drilling Operations.	Includes all activities from the time the well is spudded until the well is either suspended or abandoned (in the case of a development well, see Completion Operations). Drilling Operations include drilling, casing, cementing, running BOP and riser, fishing, sidetracking, reaming, logging, coring and formation flow testing as well as any downtime associated with equipment failure (or otherwise) while drilling operations are in progress.
Weather Delay.	Any downtime associated with heavy weather.
Ice Delay.	Any downtime associated with pack ice or icebergs within the T-time zone.
Suspension/ Abandonment Operations.	Includes all activities associated with either plugging and abandoning, or suspending a well, either short term or long term. These operations also encompass all operations associated with demobilizing the drilling installation from the well (ie: pulling anchors, pulling BOP stack, well site survey, etc.)
Completion Operations.	All operations associated with completing a development well including running completion tubing and associated completion equipment, installation of the production tree as well as all operations associated with initiating the well for either production or injection operations, including perforation operations and well testing prior to handing over to process.
Well Intervention/Workover Operations	All rig activities associated with re-entering a well for the purpose of performing a well intervention including running the intervention landing string, installing the BOP stack and other pressure control equipment, de-completing, re-completing, plugging and abandonment, slot reclamation & recovery, well suspension, re-perforation, logging, well initiation. Intervention/Workover does not include sidetracking operations; sidetracking operations would be covered under Drilling Operations.
Terminated	When a well is either suspended, abandoned, or completed.