



**Daily Drilling and Scientific Report for
IODP3-NSF Expedition 501
New England Shelf Hydrogeology, 2025**



8th June 00:00 – 8th June 24:00 East Daylight Time (UTC -4)

1. Location

Position 40.8746°N, 70.2697°W @12:00 EDT 7th of June
IODP-MSP borehole M0111C
Prospectus borehole MV-03C
Water Depth: 44 m

2. Operations Report

The pre-loading procedure for platform stabilization continued until 09:00, after which rig-up operations commenced. From 11:00 to 16:00 6 5/8" casing was run from surface to 30 mbsf. From 16:00 to 24:00, operations were waiting on bentonite plugs, arriving on the OSV Gaspee, to increase the likelihood of successful mud returns while drilling ahead.

3. Science Report

The Science Team spent the time away from the working deck examining data from the MSCL and logging and discussing strategy for Hole M0111C.

4. Core Recovery

Hole	M0111B
Cores recovered	0
Drilled length (Coring, m)	0
Drilled length (Open hole, m)	0
Recovered length (m)	0
Recovery (%)	0
Depth at midnight (mbsf)	0

5. Time Breakdown

00:00 - 09:00 Completing liftboat pre-loading procedure
09:00 - 11:00 Rigging up for running casing
11:00 - 16:00 Running 6 5/8" casing from surface to 30 mbsf
16:00 - 23:30 Waiting on bentonite plugs
23:30 - 24:00 Receiving bentonite plugs from the OSV Gaspee

6. Hours (inc. cumulative total) – no contractual implications can be made from these figures

In port	n/a
Transiting	n/a
Operating	16.5 hrs
Technical downtime	0
Weather downtime	0
Other downtime (specify)	7.5 hrs waiting on delivery

7. Weather

Steady north-easterly breezes of 12 to 14 kts continued throughout the day, with swell from the SSE of 1 to 1.5m. Visibility remained poor all day with fog limiting distances to less than 0.25 nm.

8. Planned Activity for the next 24 hours

Pump bentonite plug, hang casing, and drill ahead to spot core and pump test.

9. Health and Safety and Environmental

No health and safety issues to report.

10. Photo of the day



Figure 1: 6 5/8" casing shoe, back on deck after the conclusion of M0111-B (photo BARBOSA@ECORD_IODP3_NSF_Casing_Shoe).