

4th May 00:00 - 24:00 CDT (UTC -5)

1. Location

Position 21 Deg 27.009' N, 89 Deg 56.962' W
IODP-MSP borehole M0077A
Prospectus borehole Chix-03B
Water Depth: 19.8 m

2. Operations Report

Running casing continued. Upon reaching the base of the hole with the casing, Cement was pumped down to the base of the hole and left to cure. To maximize operational time while the cement was curing, a tool sting comprising the natural gamma ray and acoustic imager was sent downhole. The drill string was run into the hole in preparation for coring. At midnight running pipe continued.

3. Science Report

The wireline logging acquisition was performed in order to investigate the possibility of acoustically imaging the borehole formation through the steel casing. Such an approach could offer the possibility to log the hole through the casing at further depth, in the case that the hole would not be stable enough to allow open hole logging. Preliminary interpretations of the acoustic impedance images show the presence of a signal which may represent the geological formation. Further tests would be required to fully assess the feasibility of this approach.

4. Core Recovery Details

Hole	M0077A
Cores recovered	0
Drilled length (Coring, m)	0
Drilled length (Open hole, m)	0
Recovered length (m)	0
Recovery (%)	0
Depth at midnight (mbsf)	701.64

5. Time Breakdown

00:00 Running casing
05:10 Reached base of hole, start cementing
08:50 Finished cementing, leave to cure
10:50 Set-up for downhole logging
11:30 Start logging
13:00 Finish logging
17:00 Start running pipe
00:00 Continue running pipe

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

In port	13.0
Transiting	3.0
Operating	556
Technical downtime	117
Weather downtime	0.0
Other downtime (specify)	0.0

7. Weather

Fair, cloudy, humid, good visibility, wave heights of 0.5 – 0.8 m; wind N 15 Kts, Temperature 21-31°C.

8. Planned Activity for the next 24 hours

Continue running pipe and commence coring.

9. Health and Safety and Environmental
N/A

10. Photo of the day



Image: DSmith©ECORD_IODP.