

## Daily Progress Report (page 1 of 2)



**Project:** UT GoM<sup>2</sup> Marine Test  
**Vessel:** Q4000  
**Client:** University of Texas  
**Date:** Fri 19th May 2017  
**DPR No.:** # G21

**General:** On Site GC-955 at UT-GOM2-1-H005 - in Hole - coring

**Daily meeting:**

Crew boat today with supplies

**Coring Operations:**

0237

**Core 4FB @ 8101-8111 ft**

General coring parameters: ROP= 50 ft/hr, 60 RPM, WOB = 2.5-5 tons, flow rate = 80 gal/min

Good coring run with clean pick up from BHA. On recovery the ball valve was closed and the autoclave was left in the cold shuck for 43 mins before a pressure of 3477 psi was measured in the service van indicating that the autoclave had sealed at in situ pressures. The autoclave was transferred to PCATS for core handling and processing. DST record showed that autoclave had fully sealed as it was lifted from the BHA. Core recovery 321 cm as measured by X-ray image in PCATS

0658

**Core 5FB @ 8111-8121 fbrf**

General coring parameters: ROP=60 ft/hr, 60 RPM, WOB=5 tons, SW flow rate = 80 gpm. Good coring run with clean pick up from BHA. On recovery the ball valve was closed and the autoclave was left in the cold shuck for 35 mins before a pressure of 3242 psi was measured in the service van indicating that the autoclave had sealed around the in situ pressure. The autoclave was transferred to PCATS for core handling and processing. Core recovery was 296 cm as measured by X-ray image in PCATS.

1154

**Core 6FB @ 8121-8131 fbrf**

General coring parameters: ROP=55 ft/hr, 60 RPM, WOB=8 tons, SW flow rate = 80 gpm. Good coring run with clean pick up from BHA and a sea floor 'cooling stop' for 15 mins. On recovery the ball valve was closed and the autoclave was left in the cold shuck for 35 mins before a pressure of 3250 psi was measured in the service van indicating that the autoclave had sealed around the in situ pressure. The autoclave was transferred to PCATS for core handling and processing. Core recovery was 286 cm as measured by X-ray image in PCATS.

1644

**Core 7FB @ 8131-8141 fbrf**

General coring parameters: ROP=27 ft/hr, 60 RPM, WOB=10 tons, SW flow rate = 70-80 gpm. Good coring run with clean pick up from BHA and a sea floor 'cooling stop' for 15 mins. On recovery the ball valve was closed and the autoclave was left in the cold shuck for 46 mins before a pressure of 3164 psi was measured in the service van indicating that the autoclave had sealed around the in situ pressure. The set pressure for this deployment was made at 3000 psi and consequently there was no boost.

The autoclave was transferred to PCATS for core handling and processing. Core recovery was 321 cm as measured by X-ray image in PCATS.

2158

**Core 8FB @ 8141-8151 fbrf**

Switched from drilling with seawater to drilling with 9.5 lb/gal mud. General coring parameters: ROP=26 ft/hr, 60 RPM, WOB=5 tons, mud flow rate = 65 gpm. Good coring run but the pick up from BHA took multiple efforts before it came free. The tool was stopped at the sea floor (cooling stop) for 15 mins. On recovery the ball valve was closed and the autoclave was left in the cold shuck for 77 mins before a pressure of 3016 psi was measured in the service van indicating that the autoclave had sealed around the set pressure indicating that the accumulator boost may have assisted sealing the autoclave. The autoclave was transferred to PCATS for core handling and processing. Core recovery was 250 cm as measured by X-ray image in PCATS.

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### Core processing Operations:

**Core 4CS** UT-GOM2-1-H005-04CS - Finished degassing operations on Section 1 and collected sediment from storage chamber.

**Core 4FB** UT-GOM2-1-H005-04FB - Logged in PCATS. Total length 321 cm with no fill. bottom 121 cms representing 'good core'. This is an excellent core with no fill material at the top and consisting of what is interpreted as interbedded gas hydrate saturated sandy intervals with P wave velocities up to 3300 m/s. Stored in 3.5 m storage chamber.

**Core 5FB** UT-GOM2-1-H005-05FB - Logged in PCATS. Total length 296 cm with no fill. This is an excellent core with no fill material at the top and consisting of what is interpreted as interbedded gas hydrate saturated sandy intervals with P wave velocities up to 3200 m/s. Stored in 3.5 m storage chamber.

**Core 6FB** UT-GOM2-1-H005-06FB - Logged in PCATS. Total length 286 cm with no fill. This is an excellent core with no fill material at the top and consisting of what is interpreted as interbedded gas hydrate saturated sandy intervals with P wave velocities up to 3500 m/s. Stored in 3.5 m storage chamber.

**Core 7FB** UT-GOM2-1-H005-07FB - Logged in PCATS. Total length 321 cm with no fill. This is an excellent core with no fill material at the top and consisting of what is interpreted as interbedded gas hydrate saturated sandy intervals with P wave velocities up to 3500 m/s. Stored in 3.5 m storage chamber.

**Core 8FB** UT-GOM2-1-H005-08FB - Logged in PCATS. Total length 250 cm with no fill. This is another excellent core with no fill material at the top and consisting of what is interpreted as interbedded gas hydrate saturated sandy intervals with P wave velocities up to 3300 m/s. Note this core was cut with 9.5 lb/gal mud and has even longer sections of core without breaks. Stored in 3.5 m storage chamber.

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