

Daily Operational and Science Report
UT-GOM2-2 Coring Expedition
Terrebonne Basin, Gulf of Mexico Outer Continental Slope

1. **DATE:** 30-August-2023, 0000-2400hr

2. **LOCATION:**

2400 hr, 30-August-2023

Hole: *Helix D/V Q4000* was located over Hole UT-GOM2-2-H002

Last Drill/Core depth: 9332 ft MD RKB

RKB to Mud line: 6506 ft on Drill pipe measurements

Water depth: 6454 ft

Per Datum: 52 ft

Lat 26°39'44.2229"N, Long 091°40'33.8972"W NAD27 BLM15 Feet

3. **DESCRIPTION OF OPERATIONS:**

0000-2400 At Hole UT-GOM2-2-H002

0000-1400 Continuing "waiting on cement" in **Hole UT-GOM2-2-H002**.

Other concurrent activities:

- General housekeeping on weather deck pressure washing on the top drive and rig floor.
- Cleaning of Brine Tanks.
- Prepare Geotek equipment in preparation for backloading.
- Removing slickline "hang-off" sheave from the TDS dolly.
- Cleaning cement Silo #1.

1400-1415 RIH F/8048 to 8105 ft RKB and tagged top of cement plug w/15k bit weight.

1415-1730 POOH 5-7/8 inch DP in singles F/8105 to 6352 ft RKB.

1730-1930 Pump seawater to flush Hex pump #1 & 2 and string clean of drilling mud.

1930-2400 **Vessel on Lump Sum Demobilization.** Continue to POOH DP 5-7/8 inch DP in singles F/6352 to T/3400 ft RGB.

4. **OPERATIONAL PLAN (Next 24 Hours):**

Continue POOH 5-7/8 inch DP and BHA. Demobilize from the *Helix D/V Q4000* to the *Harvey Hermes Service Vessel* the remaining UT and Geotek laboratories, coring equipment, and personnel.

5. **DOWNHOLE LOGGING OPERATIONS:**

Hole: NA

Wireline Totals (directional): NA

6. **CORE OPERATIONS AND DATA:**

Hole: NA

G-APC Coring Totals: NA

G-XCB Coring Totals: NA

PCTB-CS Coring Totals: NA

PCTB-FB Coring Totals: NA

7. DOWNHOLE MEASUREMENTS

Hole: NA

Pressure and Temperature Tool Deployment (T2P): NA

Temperature Tool Deployment (APCT-3): NA

8. SCIENCE ACTIVITIES

Work has continued today to breakdown and pack the remaining UT and Geotek labs and offices on the *Helix D/V Q4000*. Special care is being taken to maintain power to the containers with thermally sensitive core samples. Demobilize of equipment from the *Helix D/V Q4000* to the *Harvey Hermes Service Vessel* has also started and expected to continue to the expected departure of the *Harvey Hermes* from Walker Ridge on the afternoon of 31-AUG-23.

9. ACRONYMS

bpm	Barrels per minute
Fish	The object to be recovered from the borehole/BHA
gpm	Gallons per minute
M/U	Make up
PCATS	Pressure Core Analysis and Transfer System
PCTB-CS	Pressure coring tool with ball-cutting shoe version.
POOH	Pull out of hole
psi	Pounds per square inch
P/U	Pick up
RIH	Run in hole
RKB	Depth measured from the rig floor
rpm	Revolutions per minute
R/U	Rig up
SLB	Schlumberger
Slickline	Wireline used to deploy and recover core, etc.
TD	Total depth
TDS	Top drive system
WOB	Weight on bit