# *Chikyu* DAILY MORNING REPORT

**Mission No. :** CK12-02 **Exp. No. :** Exp 343 **Report No. :** 41

**Site Name :** JFAST3 **Hole Name :** C0019E **Lat.** 37°56.3343'N **Long.** 143°54.8084'E **Report Date :** 12/May/2012

Depth : @24:00 _____ mBRT _____ mbsf Progress : _____ m Seabed Depth : _____ mBRT RT-MSL : 28.5 m

Depth : @06:00 _____ mBRT _____ mbsf Drilling/Coring/Jetting Hrs. : 0.00 hrs LAST CASING : _____ x _____ mbsf

Summary of Operation on 11-May : Make up and run RCB coring assembly. WOW.

Present Operation to 06:00 on 12-May : Resume RIH Coring BHA

Time Breakdown ( 00:00 - 24:00 on 11-May )

mBRT: meter below rotary table

mbsf: meter below sea floor

| From | To | Hrs | Code | Detail of Operation |
|---|---|---|---|---|
| 0:00 | 0:15 | 0:15 | Other | Hold TBRA to pick up Upper Guide Horn. |
| 0:15 | 1:15 | 1:00 | Other | Pick up pup jt with pad eye sub, Remove Master bushing, Install upper guide horn. Put back Master bushing. |
| 1:15 | 3:45 | 2:30 | Other | Make up 10-5/8" RCB Coring BHA for C0019E. |
| 3:45 | 4:00 | 0:15 | Other | Install coring mouse holes. |
| 4:00 | 6:30 | 2:30 | Other | Space out inner barrels (2 x coring, 1 x deplugger, 1 x center bit). |
| 6:30 | 18:45 | 12:15 | Trip | RIH RCB coring assembly to 4000mBRT.<br>Flush sea water 200spm x 7.3MPa @1995mBRT, 10.3MPa @3021mBRT, 12.7MPa @4009mBRT. |
| 18:45 | 24:00 | 5:15 | WOW | WOW.<br>Meanwhile,<br>Install HCD of DES into Rotary Table<br>Work on coupling lock on DES with NOV engineer. |

| Wind condition | | | | Wave Condition | |
|---|---|---|---|---|---|
| Time | speed | Gust | Direction | Significant | Cycle |
| | (m/s) | (m/s) | (deg) | (m) | (sec) |
| 0:00 | 18.9 | 21 | 310 | 3.2 | 7.3 |
| 2:00 | 22.3 | 23.5 | 293 | 3.5 | 7.8 |
| 4:00 | 9.1 | 10.3 | 25 | 3.6 | 8.1 |
| 6:00 | 11.6 | 12.6 | 37 | 3.7 | 8.8 |
| 8:00 | 22.1 | 24.1 | 12 | 4.3 | 8.8 |
| 10:00 | 20.2 | 22.8 | 351 | 4.0 | 9.3 |
| 12:00 | 21 | 22.3 | 340 | 4.2 | 8.7 |
| 14:00 | 20.2 | 23.2 | 341 | 4.1 | 8.9 |
| 16:00 | 18.6 | 20.6 | 337 | 4.0 | 9.1 |
| 18:00 | 17.2 | 20.2 | 345 | 4.0 | 9.2 |
| 20:00 | 16.7 | 17.9 | 328 | 4.2 | 9.2 |
| 22:00 | 16 | 17 | 330 | 4.2 | 9.2 |
| 24:00 | 15.2 | 16.5 | 337 | 4.2 | 9.0 |

Time Breakdown (00:00 - 06:00 on 12-May ) * The data on 00:00 - 06:00 is unofficial.

| From | To | Hrs | Code | Detail of Operation |
|---|---|---|---|---|
| 0:00 | 0:45 | 0:45 | RR | Cont. working on coupling lock on DES with NOV engineer |
| 0:45 | 1:15 | 0:30 | RR | Hold TBRA, Prepare for changing saver sub |
| 1:15 | 5:45 | 4:30 | RR | Replace to new saver sub; Rig down Pipe handler, Break out and make up using rig tongs, Install Pipe handler. |
| 5:45 | 6:00 | 0:15 | RR | Replace elevator inserts for 5-1/2" S140 for lower elevator |

| Wind condition | | | | Wave Condition | |
|---|---|---|---|---|---|
| Time | speed | Gust | Direction | Significant | Cycle |
| | (m/s) | (m/s) | (deg) | (m) | (sec) |
| 2:00 | 12.4 | 14.3 | 315 | 3.4 | 9.1 |
| 4:00 | 8.8 | 10.4 | 312 | 3.1 | 10.2 |

Bit Record

| Bit No. | Size (in) | MFR | Type | IADC Code | S/No. | Nozzles | Depth (mBRT) From | Depth (mBRT) To | Meter-age | Hrs. | WOB (kN) Min. | WOB (kN) Max. | rpm Min. | rpm Max. | Total Rev. (krev) | Dull Condition Inner | Outer | Dull | Loc. | B | G | O.D. | RP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 10-5/8 | HCC | BHC410C | | 7138607 | 10 x 13/32 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

BHA Record

| | | |
|---|---|---|
| | 3 | Core bit x RCB core barrel (w/Long bit sub and 10-5/8" stab) x 10-5/8"Coring stab x 8-1/2" Core DC (2jts) x 10-5/8" Coring stab x 8-1/2" Core DC (9jts) x XO x 5.68" HWDP (12jts) x XO x 5" S140 pre. (68stds) x 5-1/2" S140 pre. (36stds) x XO x 5-1/2" S150 pre. (53stds) x 5-1/2"S150 New (18stds) x 6-5/8" Z-140 New |

Hook Wt. (kN) @ 4,000 mBRT

| | |
|---|---|
| Total Hook Weight (String) | 2,246 |
| Pick Up Weight | |
| Slack Off Weight | |
| HPS & Traveling block | 750 |
| 20"CSG | |
| BHA | |
| BHA + 20"CSG | |

Mud Properties

| Mud Type | Time | Depth (mBRT) | MW | VIS | PV | YV | Gel St. | WL | Cake | pH | Pf | Cl- | K+ | LGS | PPG | MBC | n | K | Temp In | Temp Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sea Water Gel | 24:00 | Pit | 1.04 | 120 | | | | | | | | | | | | | | | | |
| Sea Water Gel | 24:00 | Pit | 1.04 | 115 | | | | | | | | | | | | | | | | |

Mud Pumps : 14-P-220 @ 4008.8 mBRT 5.00 gallon/stroke @97%

| No. | Liner Size | SPM | GPM | Press. (MPa) | Ann. Vel. (m/min) | |
|---|---|---|---|---|---|---|
| 1 | 6 | | | | | |
| 2 | 6 | 200 | 1000 | 13.0 | - | - |
| 3 | 6 | | | | | |

Geologic Information

| From | To | Litho logy |
|---|---|---|
| | | |

Materials Stock on Board @24:00

| Item | Unit | Received | Used | Stock |
|---|---|---|---|---|
| Fresh Water | m3 | 92.0 | 89.2 | 186.8 |
| Potable Water | m3 | 0.0 | 7.8 | 144.0 |
| Drill Water | m3 | 0.0 | 18.7 | 911.7 |
| Fuel | m3 | 0.0 | 53.2 | 2,400.1 |
| Lube. Oil | Ltrs | 0.0 | 1,200 | 97,700 |
| Heli Fuel | Ltrs | 0.0 | 0.0 | 800.0 |

Boat Information@24:00

| Boat Name | Status | Time Departed | Time Arrived |
|---|---|---|---|
| No.18 Kaiko-Maru | off Chikyu | | |

Personnel @24:00

| | |
|---|---|
| CDEX | 12 |
| MQJ Crew | 94 |
| MQJ (Other) | 0 |
| MWJ | 20 |
| Scientist | 28 |
| | |
| Telnite | 1 |
| Sch-LWD | 0 |
| Sch-WL | 1 |
| Magnum | 2 |
| Franks | 2 |
| WWT | 0 |
| OCC | 2 |
| NOV | 1 |
| Kaiyodenshi | 0 |
| Core-IRM | 0 |
| Other | 3 |
| | |
| | |
| | |
| Total | 166 |

| Mud Volume (m3) | |
|---|---|
| Pre-Hyd. | 557 |
| Kill mud (1.30sg) | 71 |
| Premix SW | 44 |
| Sea Water Gel | 117 |

Mud Materials on Board @24:00hrs (unit: kg)

| Item | Received | Used | Stock |
|---|---|---|---|
| Barite (Bulk) | 0 | 0 | 557,500 |
| Bentonite (by S.Lanka) | 0 | 0 | 0 |
| Kunigel-VO (Bulk) | 0 | 0 | 163,700 |
| NaOH | 0 | 0 | 8,650 |
| Lime | 0 | 0 | 8,580 |
| XCD-Polymer | 0 | 0 | 100 |
| Rester | 0 | 0 | 3,000 |
| Baracor-100 (gal) | 0 | 0 | 110 |
| Telnite OS-5 | 0 | 0 | 120 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |

Marine Information @24:00

| | |
|---|---|
| Heave (m) | 1.2 |
| Pitch (deg) | 1.2 |
| Roll (deg) | 0.4 |
| Vessel Heading (deg) | 13 |
| Riser Tension (ton) | - |
| V.D. Load (Moon) | 10837.9 |
| Max Draught (m) | 9.0 |
| Thruster (kW) | 2,470 |

Helicopter Information

| Flt. No. | Time Arrived | Time Departed | Passenger Are. | Passenger Dept. |
|---|---|---|---|---|
| 1 | Cancelled | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

Safety (HSE) and other information

| Incident | Last Incident | No. LTA |
|---|---|---|
| LTA | | |
| HUNS cards | 14 | |

Remarks

Weather Information

| Time | Weather | Temp. (degC) Air | Temp. (degC) SW | Barometer (hPa) | Wind Speed (m/s) | Wind Dir. (deg) | Wind Gust (m/s) | Wave Height (m) | Wave Dir. (deg) | Wave Period (s) | Current Speed(knt) | Current Dir. (deg) | Visibility (km) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24:00 | o | 10.0 | 8.5 | 1005.7 | 15.2 | 337.0 | 16.5 | 4.3 | 350 | 9.0 | 1.0 | 279 | 22 |

Today's Schedule : Cont. RIH 10-5/8" RCB Coring BHA. Drop center bit, Dril down 10-5/8" hole