# *Chikyu* DAILY MORNING REPORT

**Mission No. :** CK12-02 **Exp. No. :** Exp 343 **Report No. :** 28

**Site Name :** JFAST3 **Hole Name :** C0019C **Lat.** 37°56.3033'N **Long.** 143°54.7875'E **Report Date :** 29/Apr/2012

Depth : @24:00 **0.0** mBRT **0.0** mbsf Progress : **0.0** m Seabed Depth : **0.00** mBRT RT-MSL : **28.5** m

Depth : @06:00 **0.0** mBRT **0.0** mbsf Drilling/Coring/Jetting Hrs. : **0.00** hrs LAST CASING : x mbsf

Summary of Operation : **28-Apr** : Make up and run 20" casing with jetting BHA to 4100m, Handle guide horn and lower UWTV. Install DES and calibrate same.

Present Operation to 06:00 on **29-Apr** : RIH 20"Casing with jetting BHA.

mBRT: meter below rotary table

Time Breakdown ( 00:00 - 24:00 on **28-Apr** ) mbsf: meter below sea floor

| From | To | Hrs | Code | Detail of Operation |
|---|---|---|---|---|
| 0:00 | 2:15 | 2:15 | Casing | Run 20" casing for jetting. (Jetting shoe joint + intermediate joint + wellhead joint) Land casing on R/T with Wellhead clamp. |
| 2:15 | 5:15 | 3:00 | Casing | Install inner jetting BHA w/o float. P/U Casing running tool, connect 1joint of HW drill pipe and jetting BHA. Engaged running tool in Wellhead joint. |
| | | | | Change O' ring of running tool, Set Guide funnel, Set two shear pins. |
| | | | | Check space out between jetting shoe and 20"Casing shoe (6"). Energize 2 x anti rotation keys for all RL-4S connection. |
| 5:15 | 14:15 | 9:00 | Trip | Continue to run 20" casing jetting assembly with drill string to 4084mBRT. (Run all 5-1/2" DP S-140) |
| | | | | Flush seawater w/1000gpm for 15min to clean inside pipe @1000m, 2000m, 3000m and 4000m |
| 14:15 | 14:30 | 0:15 | Other | Change elevator insert and pick up 1st stand of 5-1/2" S150 DP. |
| 14:30 | 15:15 | 0:45 | Other | Prepare for handling guide horn. Hold TBRA for handling guide horn. |
| 15:15 | 18:00 | 2:45 | Other | Pick up upper guide horn from deck. Lower same to moon pool and connect to middle guide horn. Pick up upper and middle guide horn and hang same w/support beam at RT. |
| 18:00 | 18:15 | 0:15 | Other | Hold TBRA for UWTV installation. |
| 18:15 | 19:30 | 1:15 | Other | Install UWTV on drill pipe with 34" guide funnel and mini-beacon. Split lower guide horn by shifting working cart. BOP cart fail to skid due to drive pin failure. |
| 19:30 | 20:00 | 0:30 | Other(N) | Troubleshoot BOP cart. |
| 20:00 | 21:30 | 1:30 | Other | Lower UWTV to 180m (AFT lower guide horn remaining at center position). Close lower guide horn. Put UWTV cable on guide sheave. |
| | | | | Continue to run UWTV to Hydraulic running tool. Check UWTV can pass over Hydraulic running tool and pick up same to top of HWDP. |
| | | | | UWTV rotate total 3 turns. Light and camera function well. |
| | | | | Attempt communication with mini beacon without success. |
| | | | | Meanwhile troubleshoot BOP cart completed. |
| 21:30 | 23:00 | 1:30 | Other | Install Hydraulic Centering Device (HCD). Install DES rail and lower elevator. |
| 23:00 | 24:00 | 1:00 | Other | DES calibration |
| | | | | (15:00-15:25) Move vessel to JFAST3b location to jetting site ( 3k ). |

Time Breakdown (00:00 - 06:00 on **29-Apr** ) * The data on 00:00 - 06:00 is unofficial.

| From | To | Hrs | Code | Detail of Operation |
|---|---|---|---|---|
| 0:00 | 1:15 | 1:15 | Other | Continue to DES calibration. (reposition proxy sensors in derrick with NOV.) |
| 1:15 | 3:45 | 2:30 | Other(N) | Trouble shoot on DES. (unable to unlatch coupling lock of elevators.) |
| | | | | Change one elevator to backup one and work well. (Investigate the elevator in coretech work shop.) |
| 3:45 | 6:00 | 2:15 | Trip | Resume to RIH from 4,130mBRT to 5,000mBRT. Flush seawater w/1000gpm for 15min. |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8 | Magnum | Jet sub | | 7 x 14 | | | | | | | | | | | | | | | | | | |

BHA Record

| | |
|---|---|
| 20"casing jetting | 8"Jetting Sub x Spacer Sub x Float Sub x 17-1/2"Stb x XO x 5-1/2"DP S140 2jts x 5-1/2"DP Pup 2jts x XO x Spacer Sub x Magnum Running tool (Lower). |
| | Magnum Running tool (Upper) x XO x 5.68"HWDP Pre. 13jts x XO x 5"DP S140 Pre. 68stds x 5-1/2"DP S140 Pre. 36stds x 5-1/2"DP S150 Pre. 53stds x XO |
| | x 5-1/2"DP S150 New x 6-5/8"DP Z140 New. |

Hook Wt. (kN) @ 4,100 mBRT

| | |
|---|---|
| Total Hook Weight (String) | 2,280 |
| Pick Up Weight | |
| Slack Off Weight | |
| HPS & Traveling block & DES | 750 |
| 20"Casing | 847 |
| 20"Casing + BHA inside | 888 |
| BHA + HW | |

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 (7%) | | Pit | 1.04 | 110 | 11 | 48 | 27 | 29 | | | 10.0 | | | | | | | 0.25 | 12.68 | 16 | |

Mud Pumps : 14-P-220 @ 4007.0 mBRT 5.00 gallon/stroke @97%

| No. | Liner Size | SPM | GPM | Press. (MPa) | Ann. Vel. (m/min) | |
|---|---|---|---|---|---|---|
| 1 | 6 | 200 | 1000 | 19.2 | - | - |
| 2 | 6 | | | | | |
| 3 | 6 | | | | | |

Personnel @24:00

| | |
|---|---|
| CDEX | 9 |
| MOJ Crew | 97 |
| MOJ (Other) | 1 |
| MWJ | 19 |
| Scientist | 29 |
| | |
| Telnite | 1 |
| Sch-LWD | 2 |
| Sch-WL | 1 |
| Magnum | 3 |
| Franks | 0 |
| WWT | 0 |
| OCC | 2 |
| NOV | 1 |
| Kaiyodenshi | 0 |
| Core-IRM | 0 |
| Other | 0 |
| | |
| | |
| | |
| Total | 165 |

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 | 196,000 |
| NaOH | 0 | 0 | 8,850 |
| Lime | 0 | 0 | 8,800 |
| 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 |

Helicopter Information

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

Geologic Information 2012.04.28

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

Materials Stock on Board @24:00

| Item | Unit | Received | Used | Stock |
|---|---|---|---|---|
| Fresh Water | m3 | 20.2 | 77.5 | 286.4 |
| Potable Water | m3 | 0.0 | 5.6 | 213.0 |
| Drill Water | m3 | 73.3 | 0.0 | 1,271.4 |
| Fuel | m3 | 0.0 | 42.0 | 2,975.8 |
| Lube, Oil | Ltrs | 0.0 | 0.0 | 105,200.0 |
| Heli Fuel | Ltrs | 0.0 | 0.0 | 800.0 |
| | | | | |
| | | | | |
| | | | | |

Marine Information @24:00

| | |
|---|---|
| Heave (m) | 0.7 |
| Pitch (deg) | 0.5 |
| Roll (deg) | 0.2 |
| Vessel Heading (deg) | 66 |
| Riser Tension (ton) | - |
| V.D. Load (Moon) | 11926.0 |
| Max Draught (m) | 9.0 |
| Thruster (kW) | 720 |

Safety (HSE) and other information

| Incident | Last Incident | No. LTA |
|---|---|---|
| LTA | | |
| HUNS cards | 11 | |

Remarks

Boat Information@24:00

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

| Mud Volume (m3) | |
|---|---|
| Pre-Hyd. | 389 |
| Kill mud (1.30sg) | 71 |
| Premix SW | 70 |
| Sea Water Gel | 111 |

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 | 14.0 | 13.9 | 1021.0 | 4.7 | 89.0 | 5.3 | 1.9 | 170 | 7.9 | 1.0 | 279 | 5 |

Today's Schedule : Continue to RIH 20"Casing with Jetting BHA and UWTV to seabed. Seabed survey. 20"Casing Jetting.