

Chikyu DAILY MORNING REPORT

Mission No.: CK18-04

Exp.No.: Exp 358

Report No.: 78

Site Name C0002 Hole Name C0002R Lat. 33° 18.0507'N Long. 136° 38.2029'E Seabed Depth: 1,967.5 mBRT RT-MSL: 28.5 m Report Date: 24/Dec/2018

Depth: @24:00 4,791.0 mBRT 2823.5 mbsf Progress: 19.0 m Drilling/Coring/Underreaming Hrs.: 6.25 hrs Last BOP PT: 12/14/2018 Next BOP PT: 14/2019

Depth: @06:00 4,807.9 mBRT 2840.4 mbsf LAST CASING: 11-3/4" x 2,922.50 mbsf (4,890.0 mBRT) Last BOP FT: 12/22/2018 Next BOP FT: 12/29/2018

Summary of Operation on 23-Dec: Cont. Run 8-1/2" kick off assembly. Ream down to 4,772mBRT. Drill 8-1/2" hole from 4,772mBRT to 4,791mBRT.

Present Operation @ 06:00 on 24-Dec: Cont. Drill 8-1/2" hole from 4,791mBRT to 4,806.5mBRT. Take survey at 4,806.5mBRT

Time Breakdown (00:00 - 24:00) on 23-Dec

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Rows include operations like 'Continue to run 8-1/2" kick off assembly', 'Boost riser w/450gpm x 4.2MPa', 'Conduct shallow test for motor assembly', etc.

Time Breakdown (00:00 - 06:00) on 24-Dec * The data on 00:00 - 06:00 is unofficial.

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Rows include operations like 'Continue to take survey at 4,790mBRT w/DP connection', 'Ream down and drill 8-1/2" hole from 4,786mBRT to 4,792mBRT', etc.

Bit Record @24:00 table with columns: Bit No, Size (in), MFR, Type, IADC Code, S/No, Nozzles, Depth (mBRT), Meter-age, Hrs, WOB (kN), rpm, Total Rev. (krev), ROP (m/hr), Dull Condition.

BHA Record @24:00 table with columns: #, Bit, Size, MFR, Type, IADC Code, S/No, Nozzles, Depth (mBRT), Meter-age, Hrs, WOB (kN), rpm, Total Rev. (krev), ROP (m/hr), Dull Condition.

Mud Properties @24:00 table with columns: Mud Type, Time, Depth (mBRT), MW, VIS, PV, YV, 6rpm, Gel St. (10, 10'), API, Cake, pH, PI, Cl-, Sand, Oil, Solid, MBC, Temp (in, out), K+, K, LGS, FIT 20/40 (mm).

Mud Pumps: 14-P-220, 5.00 gallon/stroke @97%. Personnel @24:00 table with columns: No., Liner Size, SPM, GPM, Press. (MPa), Ann. Vel. (m/min).

Mud Materials on Board @24:00hrs (unit: kg) table with columns: Item, Received, Used, Stock.

Geologic Information @24:00 table with columns: From, To, Lithology of cuttings.

Shale Shaker @24:00 Centrifuge: 0 hrs table with columns: No., 30, 120, No.4, 30, 120, No.1, off.

Materials Stock on Board @24:00 table with columns: Item, Unit, Stock, Used, Received.

Boat Information @24:00 table with columns: Boat Name, Status, Time @Chikyu (Departed, Arrived).

Weather Information table with columns: Time, Weather, Temp. (degC), Barometer, Wind, Wave, Current, Visibility.

Today's Schedule: Cont. Control drilling by 8-1/2" kick off assembly.

Reported by: A. Suzuki / N. Sakurai. Approved by: T. Ikawa.