

Chikyu DAILY MORNING REPORT

Mission No. : CK18-04

Exp. No. : Exp 358

Report No. : 88

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 : 3/Jan/2019

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Contains drill log details for 0:00 to 24:00.

Survey data (Depth: Telescope sensor depth) table with columns: Depth (mBRT), Inc (deg), Azi (deg). Rows show depth intervals and corresponding inclination and azimuth.

Sensor position from bit D+I sensor 18m

[Vessel Status] (12:45-14:00) Advisory status: Window meter maintenance. Max. ROP: 3.58 m/hr at 5,025.0mBRT, min. ROP: 1.14 m/hr at 5,014mBRT. No losses in last 24 hours. Offline: Nil. Ditch magnet: 2.0kg (Total 86.5kg for Kick off hole)

Time Breakdown (00:00 - 06:00 on 03-Jan) \* The data on 00:00 - 06:00 is unofficial. Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Contains log details for 0:00 to 6:00.

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 #19 8-1/2" KO BHA 8-1/2" Bit x A675XP PDM with 1.50" bent x 8-1/4" Stab (SLB) x Float Sub w/ Non-ported float valve (SLB) x 6-3/4" Pony NMDC x XO #1 x Telescope 675 x XO #2 x 6-3/4" NMDC x 6-3/4" DC (3 stds) x 6-1/2" Jar x 6-3/4" DC (2 jts) x XO #3 x 5.68" HWDP (3 stds) x XO #4 x 5-1/2" DP S-140 (25 stds) x XO #5 x 5-1/2" DP S-150 (63 stds) x XO #6 x 6-5/8" DP Z-140 (23 stds) x 6-5/8" DP UD-165

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

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

Personnel @24:00 table with columns: Name, Count. Lists crew members like CDEX, MQJ Crew, MWJ, Scientist, etc.

Mud Materials on Board @24:00hrs (unit: kg) table with columns: Item, Received, Used, Stock. Lists materials like Barite, Soda Ash, etc.

Hook Wt. (knt) @24:00 5,044.5 mBRT table with columns: Item, Weight. Lists hook load, BHA, Jar, etc.

Geologic Information @24:00 table with columns: From, To, Lithology of cuttings. Describes geological layers like Silty-claystone, Tuff, etc.

Mud volume@24:00 table with columns: Item, Volume (m3). Lists mud volumes for KNPP, KNP, etc.

Mud volume@24:00 table with columns: Item, Volume (m3). Lists mud volumes for Barolift, Tel Flow P, etc.

Heli Information @24:00 table with columns: Fit. No., Time (Arrived, Departed), Passenger (Are, Dept).

Shale Shaker @24:00 Centrifuge:0 hrs table with columns: No., Size, No. of screens, Status.

Materials Stock on Board @24:00 table with columns: Item, Unit, Stock, Used, Received. Lists water, fuel, lube, etc.

Mud volume@24:00 table with columns: Item, Volume (m3). Lists mud volumes for Barolift, Tel Flow P, etc.

Safety (HSE) and other information table with columns: Incident, Last Incident, No. LTA, HUNS cards, Remarks.

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

Mud volume@24:00 table with columns: Item, Volume (m3). Lists mud volumes for Barolift, Tel Flow P, etc.

Mud volume@24:00 table with columns: Item, Volume (m3). Lists mud volumes for Barolift, Tel Flow P, etc.

Marine Information @24:00 table with columns: Heave (m), Pitch (deg), Roll (deg), Vessel Heading (deg), Riser Tension (kN), V.D. Load (ton), Max Draught (m), Thruster (kW).

Weather Information table with columns: Time, Weather, Temp. (degC), Barometer, Wind, Wave, Current, Visibility. Includes sub-tables for Air, SW, Gust, Height, Dir., Period, Speed, Dir., km.

Today's Schedule: Wiper trip to 11-3/4" window. Ream down to bottom. Pump out of hole 8-1/2" kick off BHA. Reported by : T. Yokoyama / A. Suzuki. Approved by : T. Ikawa / K. Takase