

Chikyu DAILY MORNING REPORT

Mission No.: CK18-04

Exp. No.: Exp 358

Report No.: 87

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: 2/Jan/2019

Depth: @24:00 4,996.5 mBRT 3029.0 mbsf Progress: 31.0 m Drilling/Coring/Underreaming Hrs.: 24.00 hrs Last BOP PT: 2018/12/14 Next BOP PT: 2019/01/04

Summary of Operation on 1-Jan : Drill 8-1/2" hole from 4,965.5mBRT to 4,996.5mBRT. Present Operation @ 06:00 on 02-Jan : Drill 8-1/2" hole at 5,009mBRT.

Time Breakdown (00:00 - 24:00) on 01-Jan

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

Table with columns: Depth (mBRT), Inc (deg), Azi (deg). Contains survey data points.

Start mixing Astex S in the active tank to reduce fluid loss of mud and enhance bridging bedding plane. Pump 3m3 Fracseal sweep at 05:15, 9:00, 15:00, 19:00 and 23:00.

Max. ROP: 4.04 m/hr at 4,986.0mBRT, min. ROP: 0.86 m/hr at 4,966mBRT. No losses in last 24 hours.

Offline: Complete replacing the hose for compensation cylinder of #1HR. Change leaking solenoid valve for gripper of #1HR main arm.

Ditch magnet: 3.0kg (Total 84.5kg for Kick off hole)

Time Breakdown (00:00 - 06:00) on 02-Jan

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Contains drill log details for 0:00 to 6:00.

Table with columns: Depth (mBRT), Inc (deg), Azi (deg). Contains survey data for 0:00-6:00.

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

BHA Record @24:00 table with columns: #19, 8-1/2" KO BHA, Bit, Stab, NDC, DC, DP, etc.

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

Mud Pumps: 14-P-220 table with columns: No., Liner Size, SPM, GPM, Press., Ann. Vel.

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

Shale Shaker @24:00 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.

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

Personnel @24:00 table with columns: Name, Count.

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

Heil Information @24:00 table with columns: Fit, No., Time, Passenger.

Hook Wt. (knt) @24:00 4,966.5 mBRT table with columns: Hook Load, BHA, Below HWDP, below Jar, HPS & Traveling block, Hook + RRT, Hook block, Jar Rotating time 24/S/N, Today, Total, Cutting skip @24:00, Empty, Full, Total, ROV @24:00, Status, Last Dive, Injection Skid.

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).

Reported by: T. Yokoyama / A. Suzuki. Approved by: T. Ikawa / K. Takase.