

Chikyu DAILY MORNING REPORT

Mission No.: CK18-04

Exp. No.: Exp 358

Report No.: 83

Site Name C0002 Hole Name C0002R Lat. 33° 38.0507'N Long. 136° 38.2029'E Seabed Depth: 1,967.5 mBRT RT-MSL: 28.5 m Report Date: 29/Dec/2018

Depth: @24:00 4,959.0 mBRT 2991.5 mbsf Progress: 33.5 m Drilling/Coring/Underreaming Hrs.: 24.00 hrs Last BOP PT: 2018/12/14 Next BOP PT: 2019/01/04

Summary of Operation on 28-Dec: Drill 8-1/2" hole from 4,925.5mBRT to 4,959mBRT (Sliding & Rotary). Last CASING: 11-3/4" x 2,922.50 mbsf 4,890.0 mBRT Last BOP FT: 2018/12/22 Next BOP FT: 2018/12/29

Present Operation @ 06:00 on 29-Dec: Ream out of hole at 4,839mBRT. Last Glycol 35gal Inj: 2018/12/25 mBRT: meter below rotary table mbsf: meter below sea floor

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Contains detailed log entries for drilling operations from 0:00 to 24:00.

Time Breakdown (00:00 - 06:00) on 29-Dec. * The data on 00:00 - 06:00 is unofficial. Detail of Operation

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Contains detailed log entries for drilling operations from 0:00 to 2:30.

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: #18, 8-1/2" KO BHA, 8-1/2" Bit x A675XP PDM with 1.15" bent x 8-1/8" 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 Is) x XO #3 x 5-1/2" 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 (65 stds) x XO #6 x 6-5/8" DP Z-140 (22 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, Temp Out, K+, n, K, LGS, FIT 20/40 (mm) 0 min, 5 min.

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.

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