

Chikyuu DAILY MORNING REPORT

Mission No.: CK18-04

Exp. No.: Exp 358

Report No.: 50

Site Name C0002 Hole Name C0002Q Lat. 33° 18.0507'N Long. 136° 38.2029'E Seabed Depth: 1,967.5 mBRT RT-MSL: 28.5 m Report Date: 26/Nov/2018

Depth: @24:00 4,990.0 mBRT 3022.5 mbsf Progress: 0.0 m Drilling/Coring/Underreaming Hrs.: 0.00 hrs Last BOP PT: 11/15/18 Next BOP PT: 12/6/18

Depth: @06:00 4,990.0 mBRT 3022.5 mbsf LAST CASING: 11-3/4" x 2,922.50 mbsf (4,890.0 mBRT) Last BOP FT: 11/22/18 Next BOP FT: 11/29/18

Summary of Operation on 25-Nov: Cont. POOH to surface. Rig service. Z-Reamer surface test. MU&RIH hole opening assembly. LWD function test. Last Glycol 35gal Inj. 11/20/18

Present Operation @ 06:00 on 26-Nov: Cont. RIH 8-1/2" x 12-1/4" hole opening assembly to 4,368mBRT. mBRT: meter below rotary table mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 25-Nov)

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Rows include operations like 'Continue POOH 8-1/2" x 12-1/4" LWD assembly to 58mBRT', 'Rig service', 'Conduct function test for Z-Reamer', 'MU and RIH 8-1/2"x12-1/4" hole opening assembly to 525mBRT.', 'Conduct LWD function test at 525mBRT; Good test.', 'Resume RIH 8-1/2"x12-1/4" hole opening assembly to 2,353mBRT.'

Time Breakdown (00:00 - 06:00 on 26-Nov) * The data on 00:00 - 06:00 is unofficial.

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Row: 'Continue RIH 8-1/2" x 12-1/4" hole opening assembly to 4,368mBRT. Fill up every 15 stands, no gain/loss while RIH. Record parameter before entering 11-3/4" liner hanger at 3,760mBRT. Free rotating torque: 60/100/120rpm x 7.9/10.1/10.67kNm. Pick up weight 2,419kN, Slack off weight 2,322kN. Measure downhole torque: 60rpm x 17.7kNm(Sensor leading) w/Pump 600gpm x 20.4MPa Before passing window at 4,800mBRT, sensor will be calibrated by Schlumberger software'

Bit Record @24:00

Table with columns: Bit No., Size (in), MFR, Type, IADC Code, S/No., Nozzles, Depth (mBRT) From/To, Meter-age, Hrs., WOB (knt) Min./Max., rpm Min./Max., Total Rev. (kern) Inner/Outer, Dull Condition Loc./B/G/O.D./RP.

BHA Record @24:00 #11 8.5"x12.25" 8-1/2" Bit x MicroScope675 x arcVision675 x TeleScope675 x SonicScope675 x seismicVision675 x XO x 6-3/4" DC (1) x Z-Reamer x Float sub w/ported float x 7" Well commander x XO x 8-1/2" DC(1) x 10-1/4" Stab x 8-1/2" DC(3stds) x 8" Jar x 8-1/2" DC(2) x XO x 5.68" HWDP (3stds) x XO

#12 8.5"x12.25" 8-1/2" Bit sub x arcVision675 x TeleScope675 x XO x 8-1/4" Stabilizer x 6-3/4" DC (1) x Z-Reamer x Float sub w/ported float x 6-3/4" DC (11) x XO x 6-3/4" Coring DC (3) x XO x HO [8-1/2" DC (3) x 8" Jar x 8-1/2" DC (3) x XO x 5.68" HWDP (3stds) x XO

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) 0 min / 5 min.

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

Personnel @24:00 Table with columns: Name, Count. Includes CDEX, MQJ Crew, MQJ (SC, Other), MWJ, Scientist, etc.

Mud Materials on Board @24:00hrs (unit: kg) Table with columns: Item, Received, Used, Stock. Includes Barite (Bulk), Caustic Soda, Lime, Soda Ash, etc.

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

Shale Shaker @24:00 Centrifuge: hrs Table with columns: No., Size, Quantity, Status.

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 @Chikyuu Departed/Arrived.

Weather Information Table with columns: Time, Weather, Temp. (degC) Air/SW, Barometer (hPa), Wind Speed (m/s), Dir. (deg), Gust (m/s), Wave Height (m), Dir. (deg), Period (s), Current Speed (knt), Dir. (deg), Visibility (km).

Today's Schedule: Cont. RIH 8-1/2" x 12-1/4" BHA. LWD shallow hole test at 4,800mBRT. Wash down to 4,990mBRT. Enlarge with 8-1/2" x 12-1/4" BHA to 4920mBRT. POOH BHA.

Hook Wt. (knt) @24:00 2,353.0 mBRT

Table with columns: Item, Weight. Includes Hook Load, BHA, Below HWDP, below Jar, HPS & Traveling block, Hook + RRT, Hook block.

Jar Rotating time 24:00 1762-5074

Table with columns: Today, 0.00, Total, 23.00, hrs

Cutting skip @24:00 Table with columns: Empty, Full, Total.

ROV @24:00 Table with columns: Status, Last Dive, Injection Skid.

Heli Information @24:00 Table with columns: Flt. No., Arrived, Departed, Are., Passenger Dept.

Safety (HSE) and other information Table with columns: Incident, Last Incident, No. LTA.

LTA HUNS cards 25

Remarks Emergency Drill

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 / N. Sakurai Approved by: T. Ikawa