

Chikyu DAILY MORNING REPORT

Mission No. : CK18-04

Exp. No. : Exp 358

Report No. : 160

Site Name C0024 Hole Name C0024E Lat. 33° 02' 00.0000"N Long. 136° 47' 23.7960"E Seabed Depth : 3,872.0 mBRT RT-MSL : 28.5 m Report Date : 16/Mar/2019

From 0:00 To 3:15 Hrs 3:15 Code TRIP Detail of Operation RIH 10-5/8" RCB assembly from 2,530mBRT to 3,872mBRT. Break circulation and check pressure at 3,851mBRT. SPP:100/150/200/250/300/350/400/450/500/550/600/650/700/750/800gpm x 0.6/0.6/1.1/1.7/2.2/2.6/3.5/4.6/5.7/6.8/8.1/9.3/10.8/12.2/14.0MPa.

3:15 3:45 0:30 W&R 3,872.0 Spud in 10-5/8" RCB coring hole. Wash down from 3,872mBRT to 3,879mBRT. WOB: 0-20kN, SPP:150gpm x 0.6-1.0MPa. Observe high WOB 40kN at 3,879mBRT

3:45 12:30 8:45 DRL 4,093.0 Drill 10-5/8" RCB coring hole from 3,879mBRT to 4,093mBRT. Reciprocate every 5m of penetration from 10mbsf to make hole straight until drill down to 90mbsf. Pump 5m3 sweep at top and middle of every connection from 100mbsf.

12:30 24:00 11:30 DRL 4,345.0 Drill 10-5/8" RCB coring hole from 4,093mBRT to 4,345mBRT. Pump 5m3 sweep at top and middle of every connection. Service DGR at every connection by NuStar engineer (DP no contact w/RGR because of low rpm, current <0.8knot).

Time Breakdown (00:00 - 06:00 on 16-Mar) \* The data on 00:00 - 06:00 is unofficial.

From 0:00 To 2:30 Hrs 2:30 Code DRL 4,382.0 Drill 10-5/8" RCB coring hole from 4,345mBRT to 4,382mBRT. (4,345 - 4,360mBRT) WOB: 10-50kN, HPS:60rpm x 0-8.0kNm, SPP:600gpm x 8.2-9.7MPa, Avg ROP 18.5m/hr including connection.

Table with 15 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 36 Deep core 10-5/8" PDC Bit x Bit sub w/o Stabilizer x CLOCB x Landing Sub x Top sub x Head Sub x 8-1/2" Coring DC (9jts) x 8-1/2" Coring jar x 8-1/2" Coring DC (3jts) x XO#1 x 5.68" HWDP (3stds)

Mud Properties @24:00 Table with 15 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 5 columns: No., Liner Size, SPM, GPM, Ann. Vel. (m/min).

Personnel @24:00 Table with 2 columns: Name, Count.

Mud Materials on Board @24:00hrs (unit: kg) Table with 4 columns: Item, Received, Used, Stock.

Geologic Information @24:00 Table with 3 columns: From, To, Lithology of cuttings.

Mud Volume @24:00 Table with 2 columns: Item, Volume (m3).

Mud Materials on Board @24:00hrs (unit: kg) Table with 4 columns: Item, Received, Used, Stock.

Shale Shaker / Centrifuge @24:00 Table with 3 columns: No., #1-#3 Centrifuge running time.

Mud Volume @24:00 Table with 2 columns: Item, Volume (m3).

Mud Materials on Board @24:00hrs (unit: kg) Table with 4 columns: Item, Received, Used, Stock.

Materials Stock on Board @24:00 Table with 5 columns: Item, Unit, Stock, Used, Received.

Mud Volume @24:00 Table with 2 columns: Item, Volume (m3).

Mud Materials on Board @24:00hrs (unit: kg) Table with 4 columns: Item, Received, Used, Stock.

Boat Information @24:00 Table with 4 columns: Boat Name, Status, Time @Chikyu, Departed, Arrived.

Mud Volume @24:00 Table with 2 columns: Item, Volume (m3).

Mud Materials on Board @24:00hrs (unit: kg) Table with 4 columns: Item, Received, Used, Stock.

Weather Information Table with 10 columns: Time, Weather, Temp. (degC), Barometer, Wind, Wave, Current, Visibility.

Mud Volume @24:00 Table with 2 columns: Item, Volume (m3).

Mud Materials on Board @24:00hrs (unit: kg) Table with 4 columns: Item, Received, Used, Stock.

Summary of operations, vessel status, and equipment details. Includes sections for Hook Load, BHA, Heli Information, Safety (HSE) and other information, and Marine Information.