

Chikyuu DAILY MORNING REPORT

Mission No.: CK18-04

Exp. No.: Exp 358

Report No.: 82

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: 28/Dec/2018

From 0:00 To 12:00 Hrs 12:00 Code DRL Depth(mBRT) 4,899.0 Detail of Operation Drill 8-1/2" kick off hole from 4,870.5mBRT to 4,899mBRT. Parameters: WOB 80-100kN, 480gpm x 18.0MPa, 50rpm x 10-15kNm, Ave.ROP 2.4m/hr.

From 12:00 To 23:00 Hrs 11:00 Code DRL Depth(mBRT) 4,925.0 Detail of Operation Drill 8-1/2" kick off hole from 4,899mBRT to 4,925mBRT. Parameters: WOB 80-120kN, 480gpm x 18.3MPa, 60rpm x 10-15kNm, Ave.ROP 2.36m/hr.

From 23:00 To 24:00 Hrs 1:00 Code DRL Depth(mBRT) 4,925.5 Detail of Operation Drill 8-1/2" kick off hole from 4,925mBRT to 4,925.5mBRT to keep 10m hook height space for working pipe after make a connection.

<Offline> Receive arcVISION, Telescope, Well commander, 8-1/2" bit and Fracseal. Complete to repair #2 Hydra Racker main arm issue by changing solenoid valve. Conduct function test for new Torque wrench for tubing: Observe fixed wrench slipped while making up pipe.

From 0:00 To 0:45 Hrs 0:45 Code DRL Depth(mBRT) 4,927.0 Detail of Operation Drill 8-1/2"kick off hole from 4,925.5mBRT to 4,927mBRT to keep 10m hook height space for working pipe after make a connection.

From 0:45 To 1:45 Hrs 1:00 Code W&R Depth(mBRT) 4,927.0 Attempt to reciprocate the string w/o rotation to release residual torque prior to slide drilling - 300kN overpull and 200kN hung up weight at 4,825-4,921mBRT.

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., ROP (m/hr), Dull Condition.

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

Mud Properties @24:00 Table with columns: Mud Type, Time, Depth (mBRT), 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: 14P-220 Table with columns: No., Liner Size, SPM, GPM, Press. (MPa), Ann. Vel. (m/min).

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

Shale Shaker @24:00 Table with columns: No., Size, No.4, No.5, No.2, No.3, 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 @Chikyuu, Departed, Arrived.

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

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

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

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

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

Hook Load @24:00 Table with columns: Item, Value.

Jar Rotating time 24S/N: 1760-5031 Table with columns: Today, Total, hrs.

Emply Full Total Table with columns: Emply, Full, Total.

ROV @24:00 Table with columns: Status, Diving, 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).

Today's Schedule: Drill 8-1/2" kick off hole. Reported by: T. Yokoyama / A. Suzuki. Approved by: T. Ikawa.