

Chikyu DAILY MORNING REPORT

Mission No. : CK18-04 Exp. No. : Exp 358

Report No. : 3

Site Name Hole Name Lat. Long. Seabed Depth : mBRT RT-MSL : m Report Date : 10/Oct/2018

Depth : @24:00 3405 mBRT 3405.0 mbsf (14.5') Progress : m Drilling/Coring/Underreaming Hrs. : 0.00 hrs LAST CASING : x mbsf (mBRT) Last BOP Test : Next BOP Test :

Summary of Operation on 9-Oct : Preparation for EXP358 at Shimizu port. Present Operation @ 06:00 on 10-Oct : Preparation for EXP358 at Shimizu port.

Time Breakdown (00:00 - 24:00 on 9-Oct) 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 for 0:00 to 24:00 on 9-Oct, including operations like 'Prepared for C0002 operation at Shimizu port.', 'Replace C/K #8 valve.', 'Pressure test of Standpipe manifold with 7,000psi.', 'Install 6ea x coring mouse holes.', 'Prepare RCB / SD-RCB inner barrels.', 'Make up 10-5/8" RCB / 8-1/2" and 7-3/8" SD-RCB outer barrels.', 'Lay out coring BHA at middle pipe deck.', 'Replace the gasket of Cement manifold due to leak by pressure test with 10,000psi.', '[Casing] 42 joints (6 joints are damaged joints) of 9-3/8" casing and 54 joints of 9-5/8" ESET w/ECONO raps at AFT pipe deck. 126 joints of 9-5/8" casing at FWD pipe deck.', '[SLB Wireline] Rig up Explosive.', '[SLB Cementing] Receive cement additives.', '[Oceanaring] ROV tools delay to mid. Oct. Arrange the mobilization of Wellhead Cleaning Tool by Heli.', '[BOP/Riser] Replace Pressure switch, Solenoid valve. Installing riser seal subs on risers / 20jts to go. Annulars and gas bleed valves will be tested after restacking up LMRP on BOP.', 'Disembarkation AFGlobal, ENVENTURE, Franks, SLB WL.', 'Embarkation ROV (3 engineers).', '[In the derrick] Drill pipe - 38stds of 6-5/8" Drill pipe UD-165, - 23stds of 6-5/8" Drill pipe Z-140, - 56stds of 5-1/2" Drill pipe S-150 (MU 16 stds after receive pips), - 30stds of 5-1/2" Drill pipe S-140, - 27stds of 5" Drill pipe S-140. Drill collar / Coring collar / Heavy weight - 4stds of 8-1/2" Drill collar, - 2stds of 8-1/2" Coring collar, - 4stds of 7" Coring collar, - 4stds of 6-3/4" Drill collar, - 3stds of 5.68" Heavy weight drill pipe.', 'Casing - 18stds of 9-5/8" casing, - 73stds of 9-3/8" casing.'

Time Breakdown (00:00 - 06:00 on 10-Oct) * The data on 00:00 - 06:00 is unofficial.

Table with columns: From, To, Hrs, Code, Depth(mBRT), Detail of Operation. Contains log for 0:00 to 6:00 on 10-Oct: 'Prepared for C0002 operation at Shimizu port. Make up 8 stds of 5-1/2" Drill pipe S-150 (Total 64stds in the derrick).'

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

BHA Record table with columns: Hook Wt. (ken) @ mBRT, Hook Load, BHA, Below HWDP, below Jar, Hook + HPS, Hook block, Jar Rotating time S/N, Today, Total, Cutting skip @24:00, Empty, Full, Total.

Mud Properties table with columns: Mud Type, Time, Depth (mBRT), MW, VIS, PV, YV, Grpm, Gel St. (10", 10'), WL, 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 @ 0.0 mBRT 5.00 gallon/stroke @97%. Personnel @24:00: CDEX 11, MOJ Crew 102, MOJ (SC, Other) 3, MWJ 16, Scientist 1, Science Media 2, AXON 1, Oceanaring 6, SLB Cementing 1, SLB WL 0, Geoservices 0, AFGlobal 0, Frank's International 0, Enventure 0. Mud Materials on Board @24:00hrs (unit: kg): Barite (Bulk) 813,000, Caustic Soda 1,000, Lime 2,200, Soda Ash 0, Caustic Potash 1,625, Tel-Polymer DX / L / H 6,400 / 1,200 / 0, XCD-Polymer 1,325, Lignite NC 4,500, Clean Lube W 10,000, Tel Clean W 6,400, Astex-S 6,300, Deformer 30C 448, Tel DD 3,200, Bi-Carbonate 2,000, Citric Acid 1,300, Tan Cal M / F / FF 1,020 / 210 / 0, Telinite GXL 684, Treat-HS 9,200, Mud Seal P 130, Tel Plug C / M / F 500 / 500 / 500, Tel Stop P / J G 500 / 260, Balolift 163, Driscad D 0, Tel Flow P 0, Poro Seal 2,310, Steel Seal 50 5,250, KCl 16,000, NaCl 18,000, Fracseal 9,000, Stopseal 8,000.

Geologic Information table with columns: From, To, Lithology of cuttings. Shale Shaker table with columns: No.1, No.2, No.3, No.4, No.5, No.6, No.1, No.2, No.3, off.

Materials Stock on Board @24:00 table with columns: Item, Unit, Stock, Used, Received. Fresh Water m3 315.3 52.6 77.0, Potable Water m3 351.3 9.5 117.0, Drill Water m3 2,003.0 2.0 0.0, Fuel m3 8,117.0 19.7 0.0, Lube, Oil Ltrs 138,900.0 0.0 0.0, Heli Fuel Ltrs 0.0, Cement "GWC" ton 82.0, Cement "G" ton 50.0.

Boat Information @24:00 table with columns: Boat Name, Status, Time @Chikyu Departed, Arrived. Weather Information table with columns: Time, Weather, Temp. (degC) Air, SW, Barometer (hPa), Wind Speed (m/s) Dir. (deg), Gust (m/s), Height (m) Dir. (deg), Wave Period (s), Current Speed (knt) Dir. (deg), Visibility (km).

Mud Volume (m3) table: KNPP mud (1.33) 1156, PHG (1.06sg) 30, total 1186. Heli Information table with columns: Flt. No., Arrived, Time, Departed, Passenger, Are., Dept. Safety (HSE) and other information table with columns: Incident, Last Incident, No. LTA, HUNS cards, Remarks.

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 / T. Nishiyama. Approved by: T. Saruhashi.

Today's Schedule: Crew change / Sail out from Shimizu Port / Deploy Cursor Rail Off Suruga Bay / MU & Run 8-1/2" SD-RCB Coring System / Pre-spud meeting.