

Chikyu DAILY MORNING REPORT

Mission No. : CK13-04

Exp. No. : Exp 348

Report No. : 123

Site Name : C0002 Hole Name : C0002P Lat. 33° 18.0507'N Long. 136° 38.2029'E Report Date : 14/Jan/2014

Depth : @24.00 4928 mBRT 2960.5 mbsf (14.5') Progress : 0.0 m Seabed Depth : 1,967.5 mBRT 28.5 m RTMSL : 28.5 m

Summary of Operation on 13-Jan : Continue cut drilling line, RIH, activate underreamer, Wash and ream 14-1/2" hole.

Present Operation @ 06:00 on 14-Jan : Continue ream down. Open hole 14-1/2" hole. Attempt to free pipe

Time Breakdown (00:00 - 24:00 on 13-Jan) mBRT: meter below rotary table mbsf: meter below sea floor

Table with columns: From, To, Hrs, Code, Detail of Operation. Contains log entries for 0:00-2:30, 2:30-7:00, 7:00-8:00, 8:00-9:00, 9:00-9:30, 9:30-15:00, 15:00-16:00, 16:00-20:15, 20:15-21:00, 21:00-24:00.

Table with columns: Angle, Deg. Rows: LFRP (0, 0), LMRP (130, 0.5), BOP (170, 0.5). Bulls eye reading @9:12

Note: (0:00 - 12:00) DP status "Advisory" due to monitor anemometer condition. Confirm to normal condition of anemometer. DP status to "Green" @ 12:00. Repair injection skid (sea canister). Dive ROV and inject glycol 20gal to BOP and 10gal to LMRP. Sea current: Chikyu 0.8-2.8 knot, SW 5 miles 2.3-4.2 knot.

Time Breakdown (00:00 - 06:00 on 14-Jan) - The data on 00:00 - 06:00 is unofficial.

From To Hrs Code Detail of Operation

0:00 3:45 3:45 W&R Continue ream down to 4928mBRT. WOB: 0-20kN, 900gpm x 32-33MPa, 140rpm x 17-20kN-m. Stall HPS @4927mBRT. SPP was increased to 35MPa. Decrease pump rate and release HPS immediately. Found tight hole 4912 - 4918mBRT. Stall HPS @ 4916mBRT. Reaming several times and confirm opening hole.

3:45 4:00 0:15 OH Open hole to 14-1/2" hole 4928 - 4932mBRT (2960.5 - 2964.5 mbsf, 4m). WOB: 0kN, 900gpm x 33MPa, 140rpm x 16-20kN-m. ROP: ave27m/hr, Max 30.9m/hr, min 20m/hr.

4:00 6:00 2:00 SP Pack off @4932mBRT. Attempt free pipe. Stall HPS and SPP was increased to 900gpm x 38MPa (SPP limiter is activated). Decrease pump rate to 30spm x 25MPa, release HPS torque and work pipe (Max overpull 600kN, slack 300kN). SPP was decreased to 21.4MPa gradually. Jar no fired. Stop pump and work pipe (Max overpull 1100kN, slack 400kN). SPP was decreased to 4.5MPa gradually. Jar no fired. Re-start pump 25gpm and continue work pipe (Max overpull 1200kN, slack 350kN). SPP was increased to 13.4MPa gradually. Stop pump and work pipe (Max overpull 1500kN, slack 250kN). SPP was decreased to 1.5MPa gradually. Re-start pump 75gpm and work pipe (Max overpull 1500kN, slack 250kN). SPP was increased to 20MPa gradually.

Note: Sea current: Chikyu 1.3knot, SW 5miles 3.5knot, S 8.7miles 3knot @6:00.

Bit Record

Table with columns: Bit No., Size (in), MFR, Type, IADC Code, S.No., Nozzles, Depth (m), Meter-age, Hrs., WOB (kN), rpm, Total Rev (kern), Inner, Outer, Dull, Loc., B, G, O.D., RP.

BHA Record: 14-1/2" Underream: Bit x bit sub x 14.5" Underreamer x float sub (w/flagpretype float) x 8-1/2"DC (1) x 12-3/16" Stab x 8-1/2"DC (2) x XO x 5.68"HWDP (12) x XO x 5"DP S-140 (67stds) x 5-1/2"DP S-140 (21stds) x XO x 5-1/2"DP S-150 (13stds) x XO x 6-5/8"DP Z-140

Mud Properties table with columns: Mud Type, Time, Depth (mBRT), MW, VIS, PV, YV, Gel St (10", 10'), WL, Cake, pH, Pl, Cl-, Sand, Oil, Solid, MBC, Temp (In, Out), K+, n, K, LGS.

Mud Pumps: 14-P-220 @ 4850.0 mBRT 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, Position, Count. Includes CDEX, MIQ Crew, MIQ (SC/Other), MIQ (Sub sea & Hyd), MIW, Scientist, Tishite, Cocaineering, Schlumberger-CMT, SLB WL, Geoservice, Vetco, Weatherford (CSG), NIS-Swaco, NOV Underreamer, Baker (Liner Hanger), Total: 155.

Mud Materials on Board @24:00hrs (unit: kg) table with columns: Item, Received, Used, Stock. Includes Bente (Bulk), Kurigel-VO (Bulk), NaCl, KCl, Tel-Polymer DX / L / H, XCD-Polymer, Soda Ash, KOH, Clean Lube, Tel Clean, Bi-Carbonate, Lime, Defoamer 30C, Teintite GXL, Tel DD, NaOH, Lignite NC, Tel Stop G / P, Tel Mica C / M / F, Tel Plug C / M / F, Tan Cal M / F / FF, EZ Spot, Speeder P / X, Baracor-100 (gal), Astex S, LCM 20% (1.13), 24, Hi-vis (1.32), 64, Xanvis, Teintite OS-5, Teintite HEC.

Geologic Information table with columns: From, To, Lithology of cuttings.

Shale Shaker table with columns: No., #10, #20 x 2, No.4, #10, #200 x 2, No.1, 4.50, No.2, #10, #230 x 2, No.5, #10, #200 x 2, No.2, off, No.3, #10, #230 x 2, No.6, #10, #200 x 2, No.3, off.

Materials Stock on Board @24:00 table with columns: Item, Unit, Received, Used, Stock. Includes Fresh Water, Potable Water, Drill Water, Fuel, Lube, Oil, Heli Fuel, Cement "GW/C", Cement "G".

Boat Information @24:00 table with columns: Boat Name, Status, Time @Chikyu (Departed, Arrived). Includes Kaiko, Shinkou-manu, Hakuryu-manu.

Weather Information table with columns: Time, Weather, Temp. (degC), Barometer, Wind (Speed, Dir, Gust), Wave (Height, Dir, Period), Current (Speed, Dir), Visibility (km).

Today's Schedule: Continue attempt to free pipe.

Reported by: D. Ikenomoto / T. Yokoyama / S. Kalaoka

Approved by: T. Saruhashi