

Chikyū DAILY MORNING REPORT

Mission No. : CK13-04

Exp. No. : Exp 348

Report No. : 97

Site Name : C002 Hole Name : C002P Lat. : 33° 18.0507'N Long. : 136° 38.2029'E Report Date : 19/Dec/2013

Depth : @24:00 4035.2 mBRT 2067.7 mbsf Progress : 69.80 m Seabed Depth : 1,967.50 mBRT RT-ASL : 28.6 m LAST CASING : 13-3/8" x 1,936.50 mbsf (3,904.0 mBRT)

Summary of Operation on 18-Dec : Continue drill 12-1/4" hole. Work stuck pipe. POOH for WOW. Present Operation on 19-Dec : Continue POOH. Service HPS. Time Breakdown (00:00 - 24:00 on 18-Dec)

Table with columns: From, To, Hrs, Code, Detail of Operation, and Weather Condition. Includes detailed log of operations from 0:00 to 24:00 on 18-Dec, including drilling progress, HPS status, and weather data.

Table with columns: From, To, Hrs, Code, Detail of Operation, and Weather Condition. Continues the log from 0:00 to 3:00 on 19-Dec, detailing the POOH process and weather updates.

Table with columns: Bit No., Size (in), MFR, Type, IADC Code, S.No., Nozzles, Depth (m), Meter- age, Hrs., WOB (kN), rpm, Total Rev., Inner, Outer, Dull, Condition. Lists bit and nozzle details.

Table with columns: #6, Kick off, Bit x Motor x 12" Slab x HOC x DH screen x Float Sub. (w/float) x 8-1/2" DC/12" x Drilling Jar x 8-1/2" DC/2" x XO x 5" DP x 140 44stds x 5-1/2" DP x 140 21stds x XO x 5-1/2" DP x 150 25stds x XO x 6-5/8" DP x 140

Table with columns: Mud Properties, Mud Type, Time, Depth (mBRT), MW, VIS, PV, YV, Gal/St (10^3), WL, Cake, pH, PI, Cl, Sand, Oil, Solid, MBC, Temp (In/Out), K+, n, K, LGS. Lists mud properties for KNPP.

Table with columns: Mud Pumps, 14-P-220 @ 3960.0 mBRT, 5.00 gallons/stroke @ 27%. Personnel @ 24:00. Lists pump and personnel details.

Table with columns: Geologic Information, From, To, Lithology of cuttings. Lists lithology for 3922.0 and 3998.0 depths.

Table with columns: Shale Shaker, No.1, #10, #180 x 2, No.4, #10, #180 x 2, No.1, off. Lists shaker screen details.

Table with columns: Materials Stock on Board @24:00, Item, Unit, Received, Used, Stock. Lists various materials and their quantities.

Table with columns: Boat Information @24:00, Boat Name, Status, Time @Chikyū, Departed, Arrived. Lists boat details.

Table with columns: Weather Information, Time, Weather, Temp. (degC), Barometer, Wind, Wave, Current, Visibility. Lists weather data for 24:00.

Table with columns: Today's Schedule, RIH to bottom. Continue drill 12-1/4" hole.

Table with columns: Bit Record, BHA Record, Mud Properties, Mud Pumps, Personnel, Geologic Information, Shale Shaker, Materials Stock on Board, Boat Information, Weather Information. Summary of various report sections.

Table with columns: Hook Wt. (kN), Hook Load, BHA, Below HWDP, Below Jar, Hook + HPS, Hook block, Cutting skip @24:00, Empty, Full, Total. Lists hook and cutting skip details.

Table with columns: Hall Information, FIT, No., Arrived, Time, Departed, Ans., Dept. Lists hall information.

Table with columns: Safety (HSE) and other information, Incident, Last Incident, 13/Feb/2013, No. LTA. Lists safety and incident details.

Table with columns: Marine Information @24:00, Heave (m), Pitch (deg), Roll (deg), Vessel Heading (deg), Riser Tension (kN), V.D. Load (Moon), Max Draught (m), Thruster (kW). Lists marine information.

Table with columns: Reported by: D. Ikonomoto / T.Yokoyama / S. Kataoka, Approved by: T. Saruhashi. Lists reporting and approval details.