

Chikyu DAILY MORNING REPORT

Mission No. :

CK16-02

Exp. No. 365

Report No. :

30

Site Name : C0010 **Hole Name :** C0010E **Lat. :** 33°12.5500' N **Long. :** 136°41.2223' E **Report Date :** 25/Apr/2016
Depth 10E : @24.00 2,957.5 mBRT 391.0 mbsf **Progress :** 19.0 m **Seabed Depth :** 2,566.50 mBRT **RT-MSL :** 28.5 m **Summary of Operation** on 25-Apr : Cut C0010E - 3R & 4R cores. POOH: LO RCB BHA, RD Guide horn. Sensor check. Recover Transponders.
Depth 10E : @06.00 2,957.5 mBRT 391.0 mbsf **Drilling/Coring/Jetting Hrs. :** 1.00 hrs **LAST CASING :** x mbsf
Summary of Operation on 25-Apr : Inspect DW.
Present Operation on 25-Apr :
Time Breakdown (00:00 - 24:00) on 24-Apr) mBRT: meter below rotary table
 mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	CORE	Load sinker bar and retrieve inner barrel.
0:45	1:15	0:30	CORE	Drop inner barrel.
1:15	1:45	0:30	CORE	Retrieve sinker bar. Chase pumping with 50spm x 0.5MPa -> 2.3MPa (after landing). Cut C0010E-3R core from 2938.5 to 2948.0mBRT (372.0-381.5mbsf). * While coring operation, keep pumping 5KL of Guar Gum and 5KL of SW alternately. WOB: 9-20kN. TRQ: 50rpm x 2.6-4.1kN-m. MP: 30spm x 1.55MPa. Ave.ROP: 22.0m/hr.
1:45	2:30	0:45	CORE	Load sinker bar and retrieve inner barrel.
2:30	2:45	0:15	CORE	Drop inner barrel.
2:45	3:15	0:30	CORE	Retrieve sinker bar. Chase pumping with 50spm x 0.7MPa -> 2.3MPa (after landing). Cut C0010E-4R core from 2948.0 to 2957.5mBRT (381.5-391.0mbsf). * While coring operation, keep pumping 5KL of Guar Gum and 5KL of SW alternately. WOB: 40-50kN. TRQ: 30rpm x 1.6-4.7kN-m. MP: 40spm x 1.6-2.0MPa. Ave.ROP:40.7m/hr.
3:15	4:15	1:00	CORE	Load sinker bar and retrieve inner barrel.
4:15	4:45	0:30	CORE	Drop inner barrel.
4:45	14:30	9:45	TRIP	Retrieve sinker bar. Attempt to start rotating and pumping after dropping inner barrel. Observe high TRQ (over 13kN-m) and Packoff indication (Max 3.7MPa). Suspect hole condition are getting severe. -> Make a decision to finish coring operation. POOH 10-5/8"RCB BHA to surface. No excessive overpull. (05:15 - 07:30) Pump remained mud w/140 - 145spm x 13.0 - 14.5MPa @2736mBRT (169.5mbsf). (09:15) Drift vessel w/1.knot to C0010A hole to check sensor's condition. (13:15) Recover ROV to surface by adjusting drift speed. (13:45) Retrieve inner barrel.
14:30	15:00	0:30	OTHER	Lay out RCB outer core barrel, 3stds of 8-1/2" Drill collar for coring and 1std of 5-1/2"DP S-140.
15:00	21:45	6:45	OTHER	Rig down Upper Guide horn and skid out BOP cart to AFT. (16:30) Vessel arrive 1.5mile upstream from C0010A hole. (17:00) Dive ROV assisting by vessel drift. (18:00) Vessel arrive C0010A hole (19:00) Conduct sensor check (Strainmeter, Tiltmeter, Thermister): "OK". * No plug into pressure data logger. (19:00) Held meeting for UWTV test w/OSI, OIM, Captain, all the related party. (20:00) Observe C0010D hole: "No flow from well".
21:45	22:30	0:45	OTHER	Lay out 5-1/2"DP S-140 (5 of 37stds)
22:30	24:00	1:30	OTHER	Prepare UWTV Free Fall Function test for UWTV winches. Pay out winch cable to moonpool (FWD-PORT) to assemble Free Fall Frame. Meanwhile, lay out 3stds of 5-1/2"DP S-140 (8 of 37stds). * ROV operation. (20:00 - 21:00) Recover 1st Transponder on cage. (21:00 - 22:15) Recover 2nd Transponder on cage. (22:15 - 23:15) Recover 3rd Transponder on cage.

Time Breakdown (00:00 - 06:00) on 25-Apr) *The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	5:30	5:30	OTHER	Resume lay out 18stds of 5-1/2"DP S-140 (26 of 37stds). * Remained 5-1/2"DP stds S-140: 11stds, S-150 45stds (04:30) Start moving vessel to UWTV site. * UWTV site (Plan) - Lat. 33°56' N, Long. 138°20' E Estimate arrival site: 4:25 14:00
5:30	6:00	0:30	RR	Inspect DW. Observe DW are tripped when pick up elevator. Find Encoder of DW A motor indicate abnormal value, repair the same. * (07:15) Finish repairing encoder. Location Wind m/s/deg. Wave m/deg. Ave. speed 6:00 33-18.4N 137-03.5E 7.8 m/sec <90> 1.9m <60> 9.9 knot * ROV operation. (00:00 - 01:00) Recover 4th Transponder on cage. (01:00 - 03:30) Retrieve ROV w/4ea of Transponder to surface. (03:30 - 04:30) Recover Cursor Rail.

Bit	Size	MFR	Type	IADC Code	S.No.	Nozzles	Depth (mBRT)	Meter- age	Hrs.	WOB (kN)	rpm	Total Rev.	Dull Condition
RR3d	10-5/8"	BHI	BHC405C	M333	7152743	5 x 18/32"	From : 2566.5 To : 2,957.5	391.0	44.0	0 ; 60	30 ; 120	109.6	Inner 0 Outer 0 Dull Loc. B G O.D. RP - X I - - TD

BHA Record 3 RCB [10-5/8"Core bit x Long bit sub w/stab. x 8-1/2"Core Barrel x Top sub x Head sub x 10-5/8"Stabilizer x 8-1/2"Core DC (2) x XO x 10-5/8"Stabilizer x XO x 8-1/2"Core DC (6) x XO]
Hook Wt. (kN) @ -
RCB BHA -
HPS & Traveling block -

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10 ¹ , 10 ²)	WL	Cake	pH	Pf	Cl.	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K	

Mud Pumps : 14-P-220 @ 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6	20	200	2.0	36.7 (DC)
2	6	20			18.0 (DP)
3					

Personnel @24:00

Name	Position
CDLEX	7
Scientist	10
MQJ Crew	101
MQJ (Other)	2
MWJ	16
ROV	6
OCC	3
Tsurumi-Seiki	3
Total	148

Mud Materials on Board @24:00hrs (unit: kg)

Item	Received	Used	Stock
Barite (Bulk)			0
Kunigel-VO (Bulk)			11,000
Calcium hydroxide			1,240
Caustic soda	50		675
XCD-Polymer			150
Difosmer 30C			160
Tainite GXL			144
Restor	360		0
Treat HS			1,000
* Barite (Bulk)			23,930
* Loaded materials @Shimizu			

Geologic Information

From	To	Lithology of core

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m ³	42.3	54.1	269.6
Potable Water	m ³	0.0	6.4	250.5
Drill Water	m ³	43.1	43.5	2,236.4
Fuel	m ³	0.0	46.5	6,164.0
Lube, Oil	Lbs	0.0	500	112,700
Heat Fuel	Lbs	0.0	0.0	0.0

Mud Volume (m3)

Item	Volume (m3)
Prehy Gel (1.05kg)	-
SWG (1.04kg)	-
Restor	-

BOAT INFORMATION

Boat Name	Status	Time Departed	Time Arrived
Heisei-maru	Off hire		
Atakutsu	Current survey		

HELICOPTER INFORMATION

Flt. No.	Time		Passenger	
	Arrived	Departed	Arr.	Dept.
1	9:16	9:25	9	3
2				
3				
4				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	14	
Remarks		

Marine Information @24:00

Heave (m)	Pitch (deg)	Roll (deg)	Vessel Heading (deg)	Riser Tension (ton)	V.D. Load (Moon)	Max Draught (m)	Thruster (kW)
					14653.4	9.00	2,000

Weather Information

Time	Weather	Temp (degC)	Barometer (hPa)	Wind			Wave			Current	Visibility (km)	
				Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)			Speed(knt)
24:00	o	18.0	1015.0	5.5	56.0	6.5	1.1	110	7.0	4.2	102	22

Today's Schedule : Continue to lay out 5-1/2"DP S-140 & S-150 (Meanwhile move to vessel to UWTV site). UWTV test (Winch confirmation test. Free Fall operation).

Reported by : T. Yokoyama / T. Shiotani
 Approved by : T. Saruhashi