Chikyu DAILY MORNING REPORT

Mission No. : CK16-02 **Exp. No. 365** **Report No. :** 14

Site Name : C0010 **Hole Name :** C0010A **Lat.** 33° 12.5981'N **Long.** 136°41.1924'E **Report Date :** 9/Apr/2016

Depth : @24:00 3,206.0 mBRT 654.0 mbsf Progress : 0.0 m Seabed Depth : 2,555.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 mBRT mbsf Drilling/Coring/Jetting Hrs. : hrs LAST CASING : 9 5/8IN x 547.80 mbsf

Summary of Operation on 8-Apr : Cont. Prepare for running LTBMS completion. Run LTBMS completion to 48mBRT.

Present Operation to 06:00 on 9-Apr : Install and bind sensor cables.

Time Breakdown (00:00 - 24:00 on 8-Apr)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	2:45	2:45	WOW	Continue to Evacuation for cold front passage.
				(02:40) Arrive at cargo point (22mile (330deg) from C0010A hole), Set DP mode.
				Location / Wind / Wave
				Lat./Long. / Speed / Dir. / Significant (Period) / Dir
				2:00 33-31.7'N / 136-28.3'E / 6.8m/s /54deg / 2.4m (5.9sec) / 220deg
2:45	7:30	4:45	OTHER	Stand by at cargo point.
				@06:00 Wind speed/Dir. : 1.8m/s / 109deg, Wave Significant(Period)/Dir : 1.8m(6.5sec) / 220deg.
7:30	15:00	7:30	OTHER	Resume preparation for running LTBMS completion.
				Load 3-1/2"TBG handling tool and rig up same.
				Skid BOP cart to well center and move 20ft container from Aft to moonpool.
				Finish sensor test and move Strainmeter and Sensor Carrier from Core-tech workshop to middle pipe rack.
				Move Swellable packer to middle pipe rack.
15:00	17:30	2:30	TRIP	Start run LTBMS completion assembly to 30.65mBRT with centralizer(white paint on bull nose)
				Meanwhile, install mini screen and 1/4" TBG on the drill pipe with SUS band @Moonpool
17:30	19:00	1:30	OTHER	Start rig up Strainmeter from middle pipe rack deck then take off strainmeter protector @Rig floor
19:00	20:00	1:00	TRIP	Resume run LTBMS completion to 40.50mBRT with centralizer and install 1/4" TBG on drill pipe with enough SUS band @Moonpool
20:30	21:30	1:00	OTHER	Rig up instrument carrier and work on piping arrangement by scientist
21:30	23:00	1:30	TRIP	Resume run LTBMS completion to 48.43mBRT with centralizer and install 1/4" TBG on drill pipe with enough SUS band @Moonpool
23:00	0:00	1:00	OTHER	Start sensor cables arrangement @Moonpool
				Sensor cables passing the moonpool sheave by messenger rope(Strainmeter, Tiltmeter, Seismometer)
				Prepare sensor cable spoolers for ready to use

D/V "Chikyu"

Time	distance from W/C	sea current	current direction
1:00	28.1 mile	0.0 knot	- deg
2:00	23.7 mile	1.5 knot	83 deg
2:30	21.8 mile	1.8 knot	86 deg
Stop vessel			
Vessel move again			
11:00	22.9 mile	1.7 knot	52 deg
12:00	24.3 mile	1.3 knot	54 deg
Stop vessel			

Time Breakdown (00:00 - 06:00 on 9-Apr) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	0:30	0:30	OTHER	Continue arrange sensor cables @Moonpool
				Sensor cables passing the moonpool sheave by messenger rope(Thermister, Flatpack)
				all sensor cables are passing through main roller of CGR only thermister cable passing funnel of CGR.
0:30	3:00	2:30	OTHER	Install sensor cables on each sensors by scientist @Moonpool (Strainmeter, Seismometer, Thermister)
				Bind sensor cables with cable tie.
				Protect sensor cables with rubber protector hose, and Bind stainless band.
3:00	4:00	1:00	OTHER	Find Strainmeter and Seisomometre sensor cables are crossed. Once remove cable ties, adjust cable arrangement.
				Bind sensor cables again.
4:00	6:00	2:00	OTHER	Continue to bind sensor cables on sensor carrier and install sensor cables with SUS band @Moonpool.

Bit Record

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

BHA Record

Hook Wt. (kN) @	48.4mBRT
Total Hook Weight	774
HPS & Traveling block	750

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')		WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
PHG	11:00		1.05	232	60	78	33	70			8.2									21		0.52	5.37

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Arr.	Passenger Dept.
1	9:20	9:30	5	4
2				
3				
4				

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

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6				
2	6				
3					

Personnel @24:00

CDEX	7
Scientist	12
MQJ Crew	98
MQJ (Other)	1
MWJ	14
ROV	6
NuStar	3
Cementing (Sch)	3
W/L (Sch)	0
Telnite	1
Franks	4
Swellpacker(Halliburton)	1
Total	150

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

Item	Received	Used	Stock
Barite (Bulk)			6,000
Kunigel-VO (Bulk)			31,000
Calcium hydroxide			2,680
Caustic soda			2,500
XCD-Polymer			175
Defoamer 30C			160
Telnite GXL			144
Rester			3,700
Treat HS			1,000

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	16	
Remarks		

Geologic Information

From	To	Lithology of core

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	48.2	65.0	325.9
Potable Water	m3	0.0	3.6	306.5
Drill Water	m3	0.0	0.0	2,289.3
Fuel	m3	0.0	41.5	6,957.7
Lube, Oil	Ltrs	0.0	1,500	121,800
Heli Fuel	Ltrs	0.0	0	0.0

Mud Volume (m3)	
Prehy Gel (1.05sg)	200
SWG (1.04sg)	0
Kill Mud (1.30sg)	0

BOAT INFORMATION

Boat Name	Status	Time Departed	Time Arrived
Heisei-maru	Current survey	-	-
Akatsuki	Current survey	-	6:00

Marine Information @24:00

Heave (m)	0.3
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	230
Riser Tension (ton)	-
V.D. Load (Moon)	15540.9
Max Draught (m)	9.00
Thruster (kW)	950

Weather Information

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	Wind Speed (m/s)	Wind Dir. (deg)	Wind Gust (m/s)	Wave Height (m)	Wave Dir. (deg)	Wave Period (s)	Current Speed(knt)	Current Dir. (deg)	Visibility (km)
24:00	bc	16.0	18.5	1013.9	1.3	250.0	1.6	0.9	200	5.6	0.2	47	22

Today's Schedule : Continue to install sensor cables and Flatpack. Test sensor cables. Run LTBMS completion.

Reported by : N.Sakurai / T.Yokoyama

Approved by : T.Saruhashi