Chikyu DAILY MORNING REPORT

Mission No. : CK16-02 **Exp. No.** 365 **Report No. :** 16

Site Name : C0010 **Hole Name :** C0010A **Lat.** 33° 12.5981'N **Long.** 136°41.1924'E **Report Date :** 11/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 **10-Apr** : RIH LTBMS completion binding sensor cables and Flatpack. Install cables and Flatpack into swellable packer.

Present Operation to 06:00 on **11-Apr** : Cont. RIH LTBMS completion to 460mBRT

Time Breakdown (00:00 - 24:00 on **10-Apr**)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	1:00	1:00	OTHER	Continue terminate Thermister and Tiltmeter cable to the sensor @around 70m.
				Conduct #1 communication test (confirm good communication with sensor) then continue lowering down with cable termination.
1:00	2:00	1:00	OTHER	Connect Flatpack (3ea x 1/4"TBG) to 1/8"TBG from sensor carrier.
				Cut tubing and install coupling.
2:00	3:30	1:30	OTHER	Bind sensor cables and Flatpack with cable tie and SUS band.
				Apply SUS band on Flatpack.
				Apply cable ties on sensor cables.
				Protect sensor cables and Flatpack with rubber sheet.
3:30	15:15	11:45	OTHER	RIH LTBMS completion assembly to 226mBRT.
				Bind sensor cables with cable tie, Flatpack with SUS band.
				Protect sensor cables with rubber protectors and apply SUS band over centralizers
				MU Double plug Float collar.
				Fill up every 5joint from Float collar.
				Number of centralizers are changed from four to two from "Run No.7" as per tally.
15:15	16:30	1:15	OTHER	Establish No.3 pressure port on Flatpack.
				Peel and cut the Flatpack @setting depth 399mbsf.
				Leave top side tubing open and apply blind plug on bottom side end.
16:30	18:15	1:45	OTHER	Resume run completion assembly from 226 to 260mBRT.
				Meanwhile rig up swellable packer then check the condition with packer engineer, and terminate thermister cable end to TBG completely by scientist
18:15	20:15	2:00	OTHER	Rearrange moonpool for packer installation and conduct #2 communication test with sensors before installing cables and Flatpack into Swellable packer
				Tiltmeter, Thermister, Seismometer, Strainmeter: All good
20:15	22:30	2:15	OTHER	Install sensor cables and Flatpack to Swellable packer.
				20:15-21:00 Install Strainmeter.
				21:00-21:25 Install Tiltmeter.
				21:25-21:45 Install Seismometer.
				21:45-22:30 Install Flatpack.
22:30	23:30	1:00	OTHER	Conduct #3 communication test with sensors after installing cables and Flatpack into Swellable packer.
				Tiltmeter, Thermister, Seismometer, Strainmeter: All good
23:30	24:00	0:30	OTHER	Resume run completion assembly from 260mBRT

D/V "Chikyu"

Time	distance from W/C	sea current	current direction
0:00	24.0 mile	0.2 knot	49 deg
4:00	24.0 mile	0.2 knot	299 deg
8:00	24.0 mile	0.3 knot	338 deg
12:00	24.0 mile	0.1 knot	329 deg
16:00	24.0 mile	0.1 knot	307 deg
20:00	24.0 mile	0.7 knot	302 deg
24:00	24.0 mile	0.3 knot	51 deg

Time Breakdown (00:00 - 06:00 on **11-Apr**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	OTHER	Continue run completion assembly from 260 to 460mBRT.
				Bind sensor cables with cable tie, Flatpack with SUS band.
				Fill up every 5 joint.
				0:15 Swellable packer in water.

Current information

RIH site: 0.1 - 0.7knot

Site current: 2.0 -3.0 knot

Main stream: 3.0-5.0mile south, 3.5 - 4.0knot

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) @ 250mBRT

Total Hook Weight	802
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	17:00		1.05	261	61	94	37	68			8.2									21		0.48	7.84

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Arr.	Passenger Dept.
1				
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
ODI	2
Telnite	1
Franks	4
Swellpacker(Halliburton)	1
Total	152

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

10:00 Emergency drill

Geologic Information

From	To	Lithology of core

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	45.5	54.4	298.3
Potable Water	m3	0.0	3.6	300.1
Drill Water	m3	0.0	1.0	2,286.2
Fuel	m3	0.0	39.5	6,880.3
Lube. Oil	Ltrs	0.0	0	121,100
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	-	-

Marine Information @24:00

Heave (m)	0.2
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	250
Riser Tension (ton)	-
V.D. Load (Moon)	15436.7
Max Draught (m)	9.00
Thruster (kW)	1,450

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	17.0	18.1	1009.7	12.1	264.0	13.3	1.0	160	4.3	0.3	51	22

Today's Schedule : Continue to RIH LTBMS completion. Install sensor cables and Flatpack to CORK head.

Reported by : N.Sakurai / T.Yokoyama

Approved by : T.Saruhashi