Chikyu DAILY MORNING REPORT

Mission No. : CK16-02 **Exp. No.** 365 **Report No. :** 22

Site Name : C0010 **Hole Name :** C0010B **Lat.** 33° 12.5930'N **Long.** 136°41.1806'E **Report Date :** 17/Apr/2016

Depth : @24:00 mBRT mbsf Progress : 0.0 m Seabed Depth : 2,554.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 2,616.0 mBRT 62.0 mbsf Drilling/Coring/Jetting Hrs. : 2.00 hrs LAST CASING : x mbsf

Summary of Operation on 16-Apr : RD LTBMS equipment. RU guide horn. MU&Run 10-5/8"RCB BHA to 2000mBRT. Dive ROV.

Present Operation to 06:00 on 17-Apr : Cont. Run 10-5/8"RCB BHA to 2500mBRT. Install drain hose. Spud in C0010B hole. Drill down to 2616mBRT.

Time Breakdown (00:00 - 24:00 on 16-Apr)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	2:15	2:15	OTHER	Continue to remove Guide Roller, Completion Guide Roller and VIV suppression rope drums from moonpool.
2:15	8:45	6:30	OTHER	Rig up Guide horn on moonpool carts.
				Transfer Lower guide horn onto BOP cart.
				Transfer and Install Middle guide horn to Lower guide horn.
				Install Upper guide horn.
				Install wear bushing for guide horn.
				Prepare RCB coring at Auxiliary well.
8:45	10:00	1:15	CORE	Install 6ea x mouse hole
10:00	16:15	6:15	CORE	Conduct space out RCB inner barrels.
				Inner core barrel: desinated positiion (5mm)
				Center bit: same level with bit bottom
				Deplugger: 70mm out from bit bottom
				@11:00 Move vessel to 6mile upstream from C0010 site.
				@16:00 Confirmed current speed 4.5 knot at 6mile, continue move vessel to 9mile upstream from C0010 site.
16:15	17:30	1:15	CORE	MU 10-5/8"RCB BHA.
				Continue move vessel to 9 mile upstream from C0010 site.
17:30	20:45	3:15	TRIP	Run 10-5/8" RCB BHA to 800mBRT.
				@18:40 vessel drift with 1.6 knot from 9mile upstream to C0010 site.
20:45	21:00	0:15	OTHER	Dive ROV to 500mMSL with drifting of 3.0 knot due to sea current of 4.5 knot.
21:00	24:00	3:00	TRIP	Resume run 10-5/8"RCB BHA to 2000mBRT with drift 1.2 knot.

D/V "Chikyu"

Time	distance from W/C		sea current	current direction
0:00	2.9	mile	1.8 knot	93 deg
4:00	9.5	mile	1.5 knot	94 deg
8:00	11.5	mile	0.7 knot	105 deg
12:00	11.5	mile	0.4 knot	109 deg
16:00	7.3	mile	4.5 knot	102 deg
20:00	6.8	mile	4.4 knot	108 deg
24:00	1.2	mile	4.3 knot	107 deg

Time Breakdown (00:00 - 06:00 on 17-Apr) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	1:15	1:15	TRIP	Continue run 10-5/8"RCB BHA from 2000 to 2500mBRT with vessel drift 1.2 knot
				@1:05 Vessel arrive C0010B location.
1:15	2:15	1:00	OTHER	Install drain hose on mud bucket.
				Dive ROV to 2500mMSL.
2:15	2:45	0:30	OTHER	Drop center bit.
				Chase pumping with 0.4MPa. Increase Standpipe pressure to 1.2MPa after 11min.
2:45	3:30	0:45	TRIP	Resume run 10-5/8"RCB BHA to 2554mBRT.
				Seabed survey by ROV and confrim spud-in position.
				Adjust vessel position.
				Activate CMC and AHC on.
3:30	4:30	1:00	DRLG	Tag seabed @2554mBRT and wash down w/30spm x 0.7MPa to 2587mBRT (0 - 33mbsf).
				Increase pump rate to 40spm x 1.1MPa & 50spm x 1.5MPa. Ave. ROP: 47m/hr.
4:30	6:00	1:30	DRLG	Drill down from 2587 to 2616mBRT (33 - 62mbsf).
				WOB: 10kN. TRQ: 20rpm x 0.5 - 2.0kNm. STPP: 60spm x 2.0MPa. Ave. ROP: 20.5m/hr.
				Sweep out 5m3 SWG every stand.
				@5:00 Change DP status to "Advisory".

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
3	10-5/8"	BHI	BHC405C	M333	7152743	5 x 18/32"																	

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 x 5-1/2"DP S-140 (38stds) x XO x 5-1/2"DP S-150

Hook Wt. (kN) @ 2000mBRT

Total Hook Weight	1,577
RCB BHA	140
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	14:00		1.05	284	61	68	53	87			8.0									23		0.56	3.96
SWG	22:00		1.04	114	23	54	16	17			11.0									23		0.38	7.34
Kill mud	23:00		1.30	148	37	40	20	43			9.8									25		0.57	2.26

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Arr.	Passenger Dept.
1	9:29	9:56	10	6
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	11
MQJ Crew	100
MQJ (Other)	2
MWJ	15
ROV	6
NuStar	2
Cementing (Sch)	3
ODI	0
Telnite	1
Franks	0
Swellpacker(Halliburton)	0
Total	147

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

Item	Received	Used	Stock
Barite (Bulk)		6,000	0
Kunigel-V0 (Bulk)			31,000
Calcium hydroxide		480	2,200
Caustic soda		500	1,975
XCD-Polymer		25	150
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	10	

Remarks

Geologic Information

From	To	Lithology of core

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	86.7	56.4	265.2
Potable Water	m3	0.0	2.2	279.8
Drill Water	m3	0.0	8.6	2,229.4
Fuel	m3	0.0	46.6	6,604.7
Lube, Oil	Ltrs	0.0	500	116,900
Heli Fuel	Ltrs	0.0	0	0.0

Mud Volume (m3)

Prehy Gel (1.05sg)	170
SWG (1.04sg)	120
Kill Mud (1.30sg)	23

BOAT INFORMATION

Boat Name	Status	Time Departed	Time Arrived
Heisei-maru	to SHINGU	0:00	-
Akatsuki	Current survey	-	-

Marine Information @24:00

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.3
Vessel Heading (deg)	265
Riser Tension (ton)	-
V.D. Load (Moon)	15105.5
Max Draught (m)	9.00
Thruster (kW)	2,200

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	c	20.0	21.9	1018.8	16.8	154.0	18.9	2.0	140	6.2	4.3	107	22

Today's Schedule : Drill down to 300mbsf. Cut RCB core from 300mbsf.

Reported by : N.Sakurai / T.Yokoyama

Approved by : T.Ikawa