Chikyu DAILY MORNING REPORT

Mission No. : CK12-06 **Exp. No. :** Exp 338 **Report No. :** 91

Site Name : C0022 **Hole Name :** C0022A / C0022B **Lat.** 33°10.0680'N / 33°13.0833'N **Long.** 136°43.4540'E / 136°43.4667'E **Report Date :** 31/Dec/2012

Depth : @24:00 3,124.50 mBRT 420.50 mbsf Progress : - m Seabed Depth: 2,704.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 - mBRT - mbsf Drilling/Coring/Jetting Hrs. : - hrs LAST CASING : - x - mbsf(- mBRT)

Summary of Operation on 30-Dec : Continue POOH to surface. Move to low current area. Cargo work. WOW. Resume offloading. Move to C0022 site. M/U coring BHA.

Present Operation to 06:00 on 31-Dec : RIH 11-7/16" HPCS / ESCS coring Assembly

mBRT: meter below rotary table

Time Breakdown (00:00 - 24:00 on 30-Dec mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	3:15	3:15	Trip	Continue POOH LWD BHA to surface.
				(01:15-01:45) Lay out drilling jar.
				(01:45-03:15) Rack back Drill collar stand. (00:15-03:15) Start drifting w/0.5-1.0knot to mitigate VIV while POOH.
				(03:15) bit above sea level.
				End of Job for C0022A.
				Start Job for C0022B.
3:15	5:30	2:15	Move	Move vessel to low current area (10mile North from C0022 site) to load bentonite (bulk) and drilling equipments.
				Meanwhile
				(03:15-04:45) Break bit. Lay out LWD assembly. Upper and near bit stabilizer gauge: 12-1/8".
				(04:45-05:30) Dump LWD data.
5:30	13:00	7:30	Other	Load and offload material.
				Loading -27.94 ton of Bentnite (04:45-08:15) Lay down 5-7/8"NK155 landing string 24jts. Total: 80jts (Complete lay down all 5-7/8"Landing string).
				-15 jts 7" Coring Collars (08:15-13:00) Lay down 6-5/8"UD165 landing string 32jts. Total 64jts.
				-SD-RCB equipments.
				Off Loading -2 ea of 7-3/4" Drilling jar, 1 ea Coring Jar and 5-7/8" elevator for rental.
13:00	18:00	5:00	RS	Prepare for coring operation.
				(13:00-15:30) Replace wash pipe and prepare pressure test. (13:00-17:00) Suspend cargo work due to bad weather condition (LWD tools still on board)
				(15:30-16:00) Pressure test of wash pipe with subsea pump - NG. Supply boat attempt to approach unsuccessfully and wait on weather.
				(16:00-18:00) Check condition of wash pipe and pressure test again with rig pump. (17:00-18:00) Offload LWD tools.
				Increase pressure gradually, 1500, 2000psi x 5min.
18:00	21:30	3:30	Move	Move vessel to 2 miles west from C0022B well center. Confirm vessel positioning - OK.
				Meanwhile,
				(18:00-20:00) Continue pressure test of wash pipe with rig pump, 5000psi x 5min - OK.
				(20:00-21:00) Prepare HPCS/ESCS coring. Install mouse hole.
				(21:00-21:30) Make up HPCS/ESCS coring BHA.
21:30	24:00	2:30	Trip	Make up HPCS/ESCS coring BHA.
				Extended shoe length, inner barrel A: 7", B: 6-1/4".
				Confirm 2ea ESCS retract test. At first, spring of inner barrel B didn't work smoothly (jumping while retracting). Test again, inner barrel B - OK.

Wind Condition				Wave Condition	
Time	Ave. (m/s)	Dir (deg)	Guest (m/s)	Wave (m)	Period (s)
12:00	12.3	180	15.2	2.0	6.8
14:00	12.3	170	15.7	2.5	7.1
16:00	9.8	359	14.2	1.6	7.6
18:00	3.1	306	5.1	2.3	7.6

Time Breakdown (00:00 - 06:00 on 31-Dec) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	Trip	Continue make up HPCS/ESCS coring BHA.
				(00:00-01:15) Confirm 2ea EPCS retract test, 5" - OK.
				(01:15-02:30) Run to 118mBRT (top of drill collar).
				(02:30-06:00) Run to 1900mBRT. 3:00 Strar drifting w/0.5 knot to well center, on going.
				Meanwhile: Inspect HPCS inner barrel @ mouse hole. (thread of rod OK, replace 2 lock pins)

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
RR2g	12.25	NOV	DSH606D-I2	423	A162762	12 x 7, 11 x 2	2704.00	3124.50	420.5	10.58	0	54	15	90	48.6	1	2	BT4,CT7	S	X	I	WT	TD
RR5b	*11.4375*	*ULTERRA*	*CC3*	*537*	*CZ059*	*4 x 16*																	

BHA Record

LWD	RR2d	12-1/4"Bit x GVR-8 with 12-1/8"Stab (with float valve) x ARC-8 x Telescope 825HF x NM XO sub x NMDC x 12-1/8"Stab x 8-1/2"DC(9) x 7-3/4"LI Jar x 8-1/2"DC(3) x XO x 5-1/2"DP S-150(12) x XO x 5"DP S-140(42stds) x XO x 5-1/2"DP S-150.
HPCS/ESCS	*RR5b*	*Core Bit x bit sub x core barrel x Landing sub x Top sub x Head sub x 7"DC(15) x XO x 5-1/2" DP S-150 (12) x 5"DP S-140 42 stds x 5-1/2"DP S-150*

Hook Wt. (kN) @24:00 mBRT

Hook block w/HPS	720

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
SWG		Pit	1.04	82	9	44	12 14			10.5									18		0.23	12.93
kill mud		Pit	1.30	84	36	22	13 17			10.6									20		0.70	0.75

Cutting skip @24:00

Load (E)		Empty	0
Kaiyu	0	Full	0
Shincho-maru	0	Back up	0
Offload (F)		S.Boat (E / F)	0/0
Kaiyu	0	@ Shingu	45
Shincho-maru	0	total	45

Mud Pumps : 14-P-220 @ - 4.98 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"		0		0	0
2	6"					
3	6"					

Personnel @24:00

CDEX	8
MQJ Crew	94
MQJ (Other)	1
MQJ (Add subsea E)	3
MWJ	20
NME	0
Scientist, IODP	16
Telnite	1
Oceaneering	0
NOV	0
MI Swaco	0
AXON	0
SES	0
Vetcogray	0
Geoservices	0
Schlumberger-CMT	0
Schlumberger-WL	0
Schlumberger-LWD	2
Frank's	0
Blohm Voss	0
NOV-Anderreamer	0
Riser inspector	0
Core-IRM	5
Total	150

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

Item	Received	Used	Stock
Barite (Bulk)	0	9,000	312,000
Kunigel-VO (Bulk)	27,940	11,940	18,000
NaOH	0	0	0
Lime	0	120	1,700
NaCl	0	0	14,000
KCl	0	0	0
Tel-Polymer DX / L / H	0/0/0	0/0/20	0/0/600
XCD-Polymer	0	50	275
Soda Ash	0	0	250
KOH	0	175	2,050
Bi-Carbonate	0	0	0
Clean Lube	0	0	6,400
Tel DD	0	0	0
Lignate NC	0	0	0
Astex S	0	0	0
Treat HS	0	0	0
Defoamer 30C / 15	0/0	0/0	160/0
Telnite GXL	0	0	0
Tel Clean	0	0	0
Baracor-100 (gal)	0	0	0
Tel Stop G / P	0/0	0/0	0/0
Tel Mica C / M / F	0/0/0	0/0/0	0/0/0
Tel Plug C / M / F	0/0/0	0/0/0	0/0/0
Tan Cal C / M / F / FF	0/0/0/0	0/0/0	0/0/0/0
EZ Spot	0	0	0
Speeder P / X	0/0	0	0/0
Rester	0	0	0
Telnite OS-5	0	0	120
Telnite HEC	0	0	0

Geologic Information

From	To	Lithology of core

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	55	

Remarks
Emergency drill @10:00.

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	96.9	83.9	307.8
Potable Water	m3	0.0	2.2	238.6
Drill Water	m3	0.0	107.5	726.2
Fuel	m3	0.0	54.2	2,377.1
Lube, Oil	Ltrs	0.0	1,100.0	66,300.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	280.0

Mud Volume (m3)

Kill Mud (1.30sg)	59
Heavy Seawater (1.10sg)	33
SWG (1.04sg)	139
Prehy Gel (1.05sg)	135

Marine Information @24:00

Heave (m)	1.8
Pitch (deg)	0.9
Roll (deg)	0.4
Vessel Heading (deg)	267
Riser Tension (kN)	1.6
V.D. Load (Moon)	10335.1
Max Draught (m)	9.0
Thruster (kW)	4090

Boat Information @24:00

Boat Name	Status @24:00	Time @Chikyu Departed	Time @Chikyu Arrived
Shinchou-maru	Shingu	22:35	
Hakuryu-maru	Chikyu		

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	o	13.5	20.1	1003.3	12.0	295.0	15.5	3.0	19	8.6	3.3	95	22.0

Today's Schedule : Spud-in C0022 B hole. Cut HPCS / EPCS / ESCS core.

Reported by : S. Kataoka / D. Ikenomoto

Approved by : I. Sawada