Chikyu DAILY MORNING REPORT

Mission No. : CK12-02 **Exp. No. :** Exp 343 **Report No. :** 40

Site Name : JFAST3g **Hole Name :** C0019D **Lat.** 37° 56.3224' **Long.** 143° 54.8004' **Report Date :** 11/May/2012

Depth : @24:00 6,953.5 mBRT 27.5 mbsf Progress : 27.5 m Seabed Depth : 6,926.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 6,953.5 mBRT 27.5 mbsf Drilling/Coring/Jetting Hrs. : 0.00 hrs LAST CASING : 20 x 27.50 mbsf

Summary of Operation on 10-May : Continue POOH 20" jetting BHA, Prepare RCB coring BHA

Present Operation to 06:00 on 11-May : Space out inner barrel

Time Breakdown (00:00 - 24:00 on 10-May)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	5:30	5:30	Trip	Continue POOH jetting BHA to 4590m. Meanwhile wind up UWTV to 600m.
				(1:30-2:08) Move vessel 100m in the East from C0019D.
5:30	5:45	0:15	Other	Hold TBRA for handling Guide Horn.
5:45	10:00	4:15	Other	Pick up Upper and Middle Guide horn. Split Lower Guide horn.
				Recover UWTV on working cart.
				Close Lower Guide horn. Install Upper and Middle Guide horn. Pick up Upper Guide horn and lay out same.
				Rig down HCD and Lower elevator. Install master bushing and rotary slip.
10:00	20:00	10:00	Trip	Resume POOH jetting BHA to surface, using upper elevator and rotary slip.
				Meanwhile, investigation for UWTV cable by OCC, Find optical fiber cable disconnection and power cable short circuit.
				- Optical fiber cable disconnect around 104m from winch control box by OTDR measurement.
				- It is estimated that electric cables may short circuit at the bottom layer.
				- Under current circumstances it is not possible to remove the damaged part and repair the system. UWTV is not available for operation.
20:00	21:30	1:30	Trip	Lay down jetting BHA and running tool.
				No damage running tool and cam system.
				No debris in the jetting sub and Running tool dart landing position.
21:30	24:00	2:30	Other	Service HPS, traveling block, dolly
				Clear drill floor of drilling BHA equipment.
				Preparation for RCB coring.
				22:00-24:00 Stop crane operation due to wind speed exceed 18m/s.

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

From	To	Hrs	Code	Detail of Operation
0:00	0:15	0:15	Other	Hold TBRA to pick up Upper Guide Horn
0:15	1:15	1:00	Other	Pick up pup jt with pad eye sub, Remove Master bushing, Install upper guide horn. Put back Master bushing.
1:15	3:45	2:30	Other	Make up 10-5/8" RCB Coring BHA
3:45	4:00	0:15	Other	Install coring mouse holes.
4:00	6:00	2:00	Other	Space out inner barrels ongoing

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
	8	Magnum	Jetting sub			7 x 14																	

BHA Record

Jetting BHA	8"Jetting Sub x Spacer Sub x Float Sub(w/o float valve) x 17-1/2"Stb x XO x 5-1/2"DP S140 2jts x 5-1/2"DP Pup 2jts x XO x Spacer Sub x Magnum Running tool (Lower). Magnum RT(upper) x XO (4"ID) x5.68" HWDP 13jts x XO x 5" DP 68stds x XO x 5-1/2"DP S140 pre. 36stds x 5-1/2"DP S150 Pre. 53stds x XO x 5-1/2"DP S150 New 21stds x 5-1/2"DP S150 New 2jts x XO 6-5/8"DP 2140 New 1stds

Hook Wt. (kN) @ mBRT

Total Hook Weight (String)	
Pick Up Weight	
Slack Off Weight	
HPS & Traveling block	750
20"CSG	
BHA	
BHA + 20"CSG	

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	LGS	PPG	MBC	n	K	Temp In	Temp Out
Sea Water Gel	24:00	Pit	1.04	120	11	60	25	27			11.5							0.21	19.44	20	
Sea Water Gel	24:00	Pit	1.04	115	12	54	19	21			11.5							0.24	14.69	20	

Mud Pumps : 14-P-220 @ 6952.0 mBRT 5.00 gallon/stroke @97%

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

Geologic Information

From	To	Litho logy

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	94.5	93.7	207.0
Potable Water	m3	0.0	5.3	162.9
Drill Water	m3	0.0	0.5	935.0
Fuel	m3	0.0	42.5	2,541.1
Lube. Oil	Ltrs	0.0	0	99,100
Heli Fuel	Ltrs	0.0	0.0	800.0

Boat Information@24:00

Boat Name	Status	Time Departed	Time Arrived
No.18 Kaiko-Maru	Chikyu		5:25

Personnel @24:00

CDEX	12
MQJ Crew	94
MQJ (Other)	0
MWJ	20
Scientist	28
Telnite	1
Sch-LWD	0
Sch-WL	1
Magnum	2
Franks	2
WWT	0
OCC	2
NOV	1
Kaiyodenshi	0
Core-IRM	0
Other	3
Total	166

Mud Volume (m3)	
Pre-Hyd.	557
Kill mud (1.30sg)	71
Premix SW	44
Sea Water Gel	117

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

Item	Received	Used	Stock
Barite (Bulk)	0	0	557,500
Bentonite (by S.Lanka)	0	0	0
Kunigel-VO (Bulk)	0	0	163,700
NaOH	0	75	8,650
Lime	0	80	8,580
XCD-Polymer	0	0	100
Rester	0	0	3,000
Baracor-100 (gal)	0	0	110
Telnite OS-5	0	0	120
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	114
Riser Tension (ton)	-
V.D. Load (Moon)	11289.7
Max Draught (m)	9.0
Thruster (kW)	1,280

Helicopter Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:51	10:07	14	14
2				
3				
4				
5				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	10	

Remarks

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	16.0	17.6	1012.3	8.5	142.0	9.6	1.5	110	7.5	1.1	308	22

Today's Schedule : RIH RCB coring BHA