Chikyu DAILY MORNING REPORT

Mission No. : CK12-02 **Exp. No. :** Exp 343 **Report No. :** 35

Site Name : JFAST3 **Hole Name :** C0019C **Lat.** 37°56.3033'N **Long.** 143°54.7875'E **Report Date :** 6/May/2012

Depth : @24:00 6,957.5 mBRT 29.0 mbsf Progress : 29.0 m Seabed Depth : 6,928.50 mBRT RT-MSL : 28.5 m

Depth : @06:00 6,957.5 mBRT 29.0 mbsf Drilling/Coring/Jetting Hrs. : 0.00 hrs LAST CASING : 20 x 29.00 mbsf

Summary of Operation on 5-May : WOW. Resume RIH with UWTV. Attempt re-entry to well head.

Present Operation to 06:00 on 6-May : Wind up UWTV to surface.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 5-May)

From	To	Hrs	Code	Detail of Operation
0:00	2:00	2:00	WOW	Wait on Weather.
				Meanwhile, troubleshoot UWTV cable and connector.
				Connect end box on UWTV. Function test_OK.
2:00	2:30	0:30	WOW	Connect HPS. Conduct shallow test of LWD/MWD, 450gpm x 8.9MPa_OK.
2:30	3:00	0:30	WOW	POOH and set back 2 stds of 6-5/8" Z-140 DP (for upper string while WOW).
3:00	7:30	4:30	WOW	RIH 8-1/2" LWD Assembly from 2932mBRT to 5000mBRT.
				Perform shallow test of LWD/MWD, 450gpm x 10.5MPa_OK. No.18 Kaiko-maru on site at 3:30
7:30	11:15	3:45	WOW	Install UWTV.
				Pick up Upper and Middle guide horn. Split lower guide horn. Install UWTV onto drill pipe and lower same to 200m.
				Function check lamp, camera and sonar_OK. Close Lower guide horn. Install Upper and Lower guide horn back to normal.
				Meanwhile, Install HCD and Lower elevator. Perform function test_OK.
11:15	15:30	4:15	WOW	Resume RIH to 5906mBRT. Meanwhile, lower UWTV to 5570m (cable depth)
15:30	16:30	1:00	WOW	Troubleshoot elevator. Change spare elevator and perform function test_OK.
16:30	20:45	4:15	WOW	Resume RIH to 6900mBRT. Meanwhile, lower UWTV to top of BHA.
20:45	21:15	0:30	WOW	Conduct shallow test of LWD/MWD, 600gpm x 20.0MPa_OK. Confirm 127deg of MWD tool face.
21:15	21:45	0:30	WOW	Move vessel to well center from 100m north.
21:45	22:30	0:45	WOW	Prepare for re-entry to well head.
				Change upper elevator insert for 6-5/8" DP.
				Pick up and make up 6-5/8"DP tripple and quad stands.
22:30	24:00	1:30	WOW	Attempt re-entry into well head.
				Tag on seabed @6928.5mBRT and lower UWTV to 3m above seabed.
				Search well head by UWTV sonar and find same 10m away in 120deg direction.
				Adjust vessel position and attempt re-entry into well head successfully.
				Final vessel coordinates: Lat. 37°56.3054N, Long. 143°54.7953E.

	Wave height (m)		Wind		
Time	significant (m)	Cycle (s)	Direction (deg)	Max. (m/s)	Average (m/s)
2h	3.1	9	200	10.6	9.6
4h	2.8	9.1	225	8.2	6.4

UWTV cable status

- OCC concluded that the damaged cable section by short circuit cable is located at about 18 to 20 m from the winch flange junction box.
- Under current circumstances it is not possible to remove the damaged part and repair the system.
- As temporary solution the system was repaired to be able to function with all its required electronics and with a limitation in the usage of the lamps.
- As recommendation the system shall be used only with one lamp at its maximum power, to ensure the control and communication electronics are properly powered.

Time Breakdown (00:00 - 06:00 on 6-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	0:15	0:15	W&R	Jetting down to 20" casing shoe with 50spm x 4.4MPa. No fill.
0:15	0:30	0:15	Other	Put 6-5/8" DP center latch elevator up side down on the pipe to pick up Upper and Middle guide horn.
0:30	6:00	5:30	Other	Wind up UWTV cable to 1000m. Use low mode to 5,000m dealing with cable misalignment on drum.
				Meanwhile change HCD guide for 6-5/8" DP. Pick up Upper and Lower guide horn.

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
2	8.5	Smith	MDSi713 UBPX	M333	JF6233	7 x 12																	

BHA Record

LWD No.2: Bit x Bit Sub x XO x GVR-6 x ARC-6 x Telescope 675 HF x NonMag DC x 8-1/4"Stab x XO x 6-3/4"DC 9 jts. x Jar x 6-3/4" DC 6jts. x XO x 5.68"HWDP 12jts. x XO x 5"S-140 DP Pre. 59stds. x 5-1/2"S-140 DP Pre. 36stds. x 5-1/2"S-150 DP Pre. 53stds. x 5-1/2"S-150 DP New 26stds. x 6-5/8"Z-140 DP New

Hook Wt. (kN) @ 6,928 mBRT

Total Hook Weight (String)	3,640
Pick Up Weight	
Slack Off Weight	
HPS & Traveling block	750
Below Jar	150
BHA	220
BHA + HW	262

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	110	11	48	27	29			10.0							0.25	12.68	16	
Sea Water Gel	24:00	Pit	1.04	100	9	42	25	27			9.9							0.23	11.82	16	

Mud Pumps : 14-P-220 @ 6900.0 mBRT 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	
1	6	120	600	20.0		
2	6				-	-
3	6					

Geologic Information

From	To	Litho logy

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	69.0	86.9	212.4
Potable Water	m3	0.0	2.5	178.0
Drill Water	m3	0.0	0.0	1,011.6
Fuel	m3	0.0	40.6	2,667.5
Lube, Oil	Ltrs	0.0	500	100,400
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		3:30
kaiko	-		

Personnel @24:00

CDEX	10
MQJ Crew	96
MQJ (Other)	3
MWJ	21
Scientist	28
Telnite	1
Sch-LWD	2
Sch-WL	1
Magnum	2
Franks	2
WWT	0
OCC	2
NOV	1
Kaiyodenshi	0
Core-IRM	0
Other	0
Total	169

Mud Volume (m3)	
Pre-Hyd.	563
Kill mud (1.30sg)	71
Premix SW	73
Sea Water Gel	122

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	17,200
NaOH	0	0	8,725
Lime	0	0	8,660
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)	1.4
Pitch (deg)	0.7
Roll (deg)	0.2
Vessel Heading (deg)	152
Riser Tension (ton)	-
V.D. Load (Moon)	11604.2
Max Draught (m)	9.0
Thruster (kW)	1,072

Helicopter Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:45	10:03	12	14
2	13:31	13:45	13	6
3				
4				
5				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	14	

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	bc	14.5	14.9	1008.2	4.2	185.0	4.9	2.1	300	8.7	0.4	267	22

Today's Schedule : Drill 8-1/2" LWD hole.