Chikyu DAILY MORNING REPORT

Mission No. : CK12-02 **Exp. No. :** Exp 343 **Report No. :** 18

Site Name : JFAST3 **Hole Name :** C0019A **Lat.** 37°56.3367N **Long.** 143°54.8100E **Report Date :** 19/Apr/2012

Depth : @24:00 **6,940.0** mBRT **28.0** mbsf Progress : **28.0** m Seabed Depth : **6,912.00** mBRT RT-MSL : **28.5** m

Depth : @06:00 mBRT **0.0** mbsf Drilling/Coring/Jetting Hrs. : **2.75** hrs LAST CASING : **20** x **28.00** mbsf

Summary of Operation : **18-Apr** : Troubleshoot of Dual elevator. 20" casing jetting. Troubleshoot of Casing running tool.

Present Operation to 06:00 on **19-Apr** : Troubleshoot of Casing running tool. POOH 20"casing.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on **18-Apr**)

From	To	Hrs	Code	Detail of Operation
0:00	0:15	0:15	Other (N)	Work pipe quickly 8 times.
0:15	1:00	0:45	Other (N)	Set back 1std of 5-1/2"DP S-150 New and make up 1std of 6-5/8"DP Z-140 New.
1:00	1:45	0:45	Other (N)	Break circulation successfully and pump sea water to clean inside pipe. 100-160-170spm x 8.8-19.3-21.1MPa.
1:45	2:15	0:30	Circ	Pump 10m3 Hi-vis mud and displace to 5-1/2"DP S-140 Pre bottom.
2:15	4:30	2:15	RR(N)	Troubleshoot upper elevator oil leakage from signal line.
4:30	6:45	2:15	RR(N)	Observe upper elevator stuck on 6-5/8"DP tool joint and impossible to open the door.
				Attempt to release upper elevator unsuccessfully.
				Lay down top single of 6-5/8"DP with upper elevator.
				Pick up spare elevator and install new inserts for 6-5/8"DP.
6:45	7:45	1:00	Other	Make up 6-5/8"DP stand and lower to seabed. Confirm sea water depth at 6912mWD by Co-chief Scientist.
7:45	10:30	2:45	Jetting	20" casing jetting to 6912-6940mBRT, 28.0mbsf.
				Start jetting 9spm x 0.25MPa, gradually increase pump rate to 200spm x 29MPa. Decrease pump rate 30spm prior to reach 28mbsf TD.
				WOJ 5-150kN, ROP max 0.4min/m @6915mBRT, min 13.9min/m @6929mBRT, ave 4.3min/m. Jetting during pump sea water gel mud.
10:30	12:00	1:30	CSG	Attempt to release casing running tool but no indication for releasing running tool.
				(10:34) Pick up 5m and break connection. Drop darts and engage to HPS and chase dart with 30spm x 0.9MPa.
				(11:08) Observe pressure increase to 5.2 MPa. Max pressure applied 20MPa.
12:00	12:45	0:45	CSG(N)	Decision made to recover dart of running tool by CBRT of core line.
12:45	14:45	2:00	Other (N)	Aft core line winch failure due to load sell, troubleshoot same.
14:45	16:30	1:45	Other	Make up HPS to Drill string. Switch to dressed CBRT and sinker bar on fwd core line winch. Meanwhile, reciprocate drill string with 30spm x 5.5MPa.
16:30	19:00	2:30	Other	Hold TBRA for installation of CBRT and sinker bar. Break connections, pick up HPS and Load sinker bars through T/Block, Wiper, HPS.
				Continue to run CBRT with sinker bars to 6900mCL. Engage HPS. Meanwhile, reciprocate pipes with 9spm x 0.5MPa.
19:00	20:30	1:30	Other	Attempt to recover dart by CBRT, unsuccessfully.
				Land for latching on the dart, pick up C/L around 50-100m, close C/L BOP. Pump 30spm, but no indication to retrieve dart same pressure as before trial: 5.6-7.0MPa.
20:30	22:30	2:00	Other	Recover CBRT w/ sinker bar for investigation. No dart and no shear pin shear of CBRT. Confirm latching system of CBRT, OK.
22:30	23:15	0:45	Other (N)	Re-run CBRT w/ new shear pin and sinker bar to 6900mCL with pump 9spm x 1.0MPa.
23:15	24:00	0:45	Other	Attempt to retrieve dart 2 times with same procedure above, unsuccessfully.
				Attempt to push dart to landing point of running tool using sinker bar weight, 2 times jar down with sinker bar.

Time Breakdown (00:00 - 06:00 on **19-Apr**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	Other(N)	Continue jar down 6 times, total 9 times.
				Attempt landing dart and pressurize to casing running tool. Max pressure applied 74spm x 28MPa.
0:45	2:00	1:15	Other (N)	Wind up Core Line Winch for checking Retrieving Tool. No dart and no shear pin shear of CBRT.
2:00	2:30	0:30	Other (N)	Recover core line from HPS.
2:30	6:00	3:30	CSG	POOH 20" casing, no over pull. Observe casing by UWTV.
				Change EDS and HCD insert of 5-1/2"DP.
				Wind up UWTV, during communication test for transponder and mini-beacon by DPO.
				As of 6:00, POOH @6589mBRT. UWTV @4000m cable depth.

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	-	1	7 x 14	6,912	6,940.0	28.0	2.75	5	150											

BHA Record

Jetting	8"Jetting Sub x Spacer Sub x Float Sub 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).
Running	Magnum Running tool (Upper) x XO x 5.68"HWDP Pre. 13jts x XO x 5"DP S140 Pre. 68stds 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 x 6-5/8"DP Z140 New.

Hook Wt. (kN) @ 6,912 mBRT

Total Hook Weight	3,620
Pick Up Weight	
Slack Off Weight	
HPS & Traveling block & DES	750
Below Jar	
BHA	

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	73	11	36	23	25			10.4							0.30	7.09	17	

Mud Pumps : 14-P-220 @ 6936 mBRT 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	
1	6	200	1000	29.0		
2	6				-	-
3	6					

Geologic Information 2012.04.xx

From	To	Litho logy

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	99.2	93.2	307.0
Potable Water	m3	0.0	4.0	260.4
Drill Water	m3	0.0	7.3	1,902.5
Fuel	m3	0.0	43.4	3,407.8
Lube, Oil	Ltrs	0.0	500.0	110,800.0
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		

Personnel @24:00

CDEX	13
MQJ Crew	96
MQJ (Other)	1
MWJ	20
Scientist	29
Telnite	1
Sch-LWD	2
Sch-WL	1
Magnum	2
Franks	0
WWT	0
OCC	2
NOV	1
Core-IRM	0
Other	1
Total	169

Mud Volume (m3)

Pre-Hyd.	287
Kill mud (1.30sg)	71
Premix SW	70
Sea Water Gel	132

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

Item	Received	Used	Stock
Barite (Bulk)	0	0	557,500
Bentonite (by S.Lanka)	0	0	40,000
Kunigel-VO (Bulk)	0	0	212,000
NaOH	50	0	9,550
Lime	60	0	9,460
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)	0.6
Pitch (deg)	0.6
Roll (deg)	0.2
Vessel Heading (deg)	105
Riser Tension (ton)	-
V.D. Load (Moon)	13000.2
Max Draught (m)	9.0
Thruster (kW)	1,850

Helicopter Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:47	10:02	13	14
2	13:38	13:54	12	12
3				
4				
5				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	9	

Remarks

DP advisory status. (#2 Bighead failure)

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	11.5	15.2	1023.5	8.7	55.0	10.4	1.9	70	9.0	0.4	338	22

Today's Schedule : POOH and lay out 20"casing. Recover UWTV.