

Chikyū DAILY MORNING REPORT

Mission No. : CK16-02 Exp. No. 365

Report No. : 20

Site Name : C0010 Hole Name : C0010A Lat. 33° 12.5981'N Long. 136°41.1924'E
 Depth : @24:00 3,206.0 mBRT mbsf Seabed Depth : 2,555.00 mBRT mbsf RT-MSL : 28.5 m
 Depth : @06:00 3,206.0 mBRT mbsf Progress : 0.0 m Drilling/Coring/Setting Hrs. : 2,555.00 hrs LAST CASING : 9 5/8IN x 547.80 mbsf
 Summary of Operation on 14-Apr : Cont. drifting w/0.6knot. Sensor test. Reentry & RIH to 2610mBRT attaching VIV suppression ropes.
 Present Operation to 06:00 on 15-Apr : Cont. RIH to 3168mBRT. Land CORK head onto wellhead. Test 3ea x sensors condition.
 Time Breakdown (00:00 - 24:00 on 14-Apr) mBRT: meter below rotary table mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	10:00	10:00	OTHER	Continue to drift vessel with 0.6knot to well center. ROV grab towing rope and monitor CORK head condition. RCB coring preparation at Auxiliary well. Keep string picking up & down (+/- 1m) per one hour. Shift BOP cart to 0.5m AFT to adjust the distance between Guide Roller and Drillpipe. Arrive well center @10:00
10:00	11:45	1:45	OTHER	Perform short test for sensor cables connecting ODI connector to Data recorder. Tiltmeter, Seismometer, Strainmeter: All good. Monitor whole LTBMS completion assembly by ROV. Swellable packer, Sensor Carrier, Strainmeter: Conditions are good. Bandings (Cable tie & SUS band): All bands are tightened.
11:45	15:00	3:15	TRIP	Resume RIH LTBMS completion assembly with VIV suppression rope from 1800 to 2250mBRT.
15:00	16:15	1:15	OTHER	Break circulation (2.4MPa x 40SPM) @2250mBRT. ROV confirm return coming from circulation port.
16:15	18:15	2:00	OTHER	Terminate 4ea VIV rope against Drillpipe for the change of the next VIV rope drums @2290mBRT.
18:15	21:00	2:45	TRIP	Resume RIH LTBMS completion assembly attaching VIV suppression ropes to 2509mBRT.
21:00	22:00	1:00	RR	Troubleshoot for HPU of draw works due to the hydraulic hose burst of brake fluid. Confirm the direction of ODI connector bay on CORK head @2510mBRT: 180deg.
22:00	22:30	0:30	TRIP	Resume RIH LTBMS completion assembly attaching VIV suppression ropes to 2552mBRT
22:30	22:45	0:15	OTHER	Reentry into C0010A hole. Confirm the deviation from well center to the string by DPO (offset 1m from well center). Activate CMC on.
22:45	24:00	1:15	OTHER	Resume RIH LTBMS completion assembly attaching VIV suppression ropes to 2610mBRT. Bind VIV suppression ropes with smart bands on every 5stands. Secure VIV rope on above and below tool joint using each 5 small rope and smart bands.

Time	distance from W/C	sea current	current direction
0:00	5.6 mile	1.4 knot	110 deg
4:00	3.6 mile	2.1 knot	115 deg
8:00	1.0 mile	2.7 knot	118 deg
10:00	0.0 mile	2.7 knot	113 deg
12:00		2.9 knot	108 deg
16:00	Well Center	3.6 knot	110 deg
20:00		3.6 knot	116 deg
24:00		3.7 knot	110 deg

Time Breakdown (00:00 - 06:00 on 15-Apr) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	3:30	3:30	OTHER	Continue to run completion assembly to 3094mBRT (5m above 9-5/8"CSG shoe). Observe no excessive drag while RIH.
3:30	3:45	0:15	OTHER	Change all 2-way valves' position from "Open" to "Close". Activate AHC and CMC on. Confirm the direction of ODI connector bay on CORK head: 220deg.
3:45	4:30	0:45	C&C	Circulate bottoms up with 40spm x 2.4MPa @3094mBRT
4:30	5:00	0:30	OTHER	Resume RIH LTBMS completion assembly to 3154mBRT. 4:45 Confirm the direction of ODI connector bay on CORK head: 220deg. Adjust vessel position to 7.5m toward 290deg due to drillpipe leaned to downstream side.
5:00	5:15	0:15	OTHER	PU & MU Cement stand. Adjust the alignment of ODI connector bay on CORK head by rotating string at 60deg CW @3140mBRT: 280deg.
5:15	5:30	0:15	OTHER	Land LTBMS onto wellhead @3167.5mBRT. Taking weight from 3167.5mBRT. Confirm CORK landed and Slack off 110kN against CORK head using CMC.
5:30	6:00	0:30	OTHER	Vessel adjust the inclination of string by shifting 7m South direction. Test 3ea x sensors with ODI connector, on going.

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP
							From	To		Min.	Max.	Min.	Max.							

BHA Record		Hook Wt. (kN) @ 2610mBRT	
		Total Hook Weight	1,748
		HPS & Traveling block	750

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	VV	Gel St. (10 ³ , 10 ⁴)	WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
PHG	11:00		1.05	290	69	72	58 ; 89			8.0									21		0.57	3.92
NaCl Brine	15:00		1.15							11.2									21			

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	5
Scientist	11
MIQJ Crew	100
MIQJ (Other)	2
MIWJ	14
ROV	6
NuStar	2
Cementing (Sch)	3
ODI	2
Telnite	1
Franks	4
Swelppacker(Haliburton)	1
Total	151

Mud Materials on Board @24:00hrs (unit. kg)			
Item	Received	Used	Stock
Barte (Bulk)			6,000
Kunigel-V0 (Bulk)			31,000
Calcium hydroxide			2,880
Sulfuric acid			2,475
XCD-Polymer			175
Defoamer 30C			160
Telnite GXL			144
Restar			3,700
Treat HS			1,000

Geologic Information		
From	To	Lithology of core

Materials Stock on Board @24:00				
Item	Unit	Received	Used	Stock
Fresh Water	m3	38.9	53.2	228.7
Potable Water	m3	0.0	2.4	288.1
Drill Water	m3	0.0	2.7	2,243.1
Fuel	m3	0.0	45.6	6,700.1
Lube Oil	Ltrs.	0.0	1,800	117,400
Heil Fuel	Ltrs.	0.0	0	0.0

Mud Volume (m3)	
Prehy Gel (1.05sg)	200
NaCl Brine (1.15sg)	40
Kill Mud (1.30sg)	0

BOAT INFORMATION		
Boat Name	Status	Time
Heisei-maru	Current survey	Departed
Akatsuki	Current survey	Arrived

HELICOPTER INFORMATION			
Fit. No.	Time	Passenger	
1	9:20	9:30	9
2	11:30	11:40	9
3			10
4			

Safety (HSE) and other information		
Incident	Last Incident	No. LTA
LTA		
HUNS cards	11	
Remarks		

Marine Information @24:00	
Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.2
Vessel Heading (deg)	305
Riser Tension (ton)	-
V.D. Load (Moon)	15261.2
Max Draught (m)	9.00
Thruster (kW)	2,600

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind (m/s)	Wave (m)	Period (s)	Speed(knt)	Dir. (deg)	Visibility (km)
24:00	bc	18.0	22.0	1008.0	11.8	6.0	13.3	1.9	110

Today's Schedule : Cont. test 3ea x sensors. Bottoms up. Cementing operation. Test sensors. Release HART. POOH.

Reported by : N.Sakurai / T.Yokoyama
 Approved by : T.Saruhashi