

Chikyuu DAILY MORNING REPORT

Mission No. :CK24-01Exp. No. :405Report No. :59

Site NameJTCT-02AHole NameC0026BLat.37°55.5857'NLong.144°04.1280'ESeabed Depth :6,956.0 mBRTRT-MSL :28.5 mReport Date :4/Nov/2024

Depth : @24:007,162.0 mBRT206.0 mbsfProgress :57.0 mDrilling/Coring/Underreaming Hrs. :22.00 hrs

Depth : @06:007,181.0 mBRT225.0 mbsfLAST CASING :x mbsf(mBRT)

Summary of Operation on3-Nov : Cut SD-RCB core #8 - #13

Present Operation @ 06:00 on4-Nov : Recover #15 inner barrel

Time Breakdown (00:00 - 24:00 on3-Nov)

mBRT: meter below rotary table
mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	0:45	0:45	CORE	7,105.0	Continue to recover inner barrel
0:45	1:45	1:00	CORE	7,105.0	Drop C0026B #8K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.4 to 4.5MPa w/275gpm 33min after dropping. Then sweep out SWG w/650gpm x 20.9MPa
1:45	4:00	2:15	CORE	7,114.5	Cut C0026B #8K(SDRCB) core from 7,105.0 - 7,114.5mBRT (149.0 - 158.5mbsf) 7,105.0 - 7,114.5mBRT (149.0 - 158.5mbsf), MP 300gpm x 4.7-5.3MPa, HPS 80rpm x 0.9-6.0kNm, WOB 0-20kN, Auto ROP 150m/hr Load and run sinker bar. Recover inner barrel.
4:00	5:00	1:00	CORE	7,114.5	Drop C0026B #9K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.5 to 4.6MPa w/275gpm 33min after dropping. Then sweep out SWG w/650gpm x 20.3MPa
5:00	7:00	2:00	CORE(N)	7,114.5	Recover C0026B #9K(SDRCB) inner barrel Suspect sudden recovery drop to 1/3 on #7 and #8 core is due to the change of the catcher to "Combo+Short with the soft spring" from "Short with soft spring". The catcher made the core broken into the pieces while cutting core since it is still soft sediments. #9K had been dropped before checking the result of #8. #9 core is retrieved without cutting the core.
7:00	7:45	0:45	CORE	7,114.5	Drop C0026B #9K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 2.6 to 4.6MPa w/275gpm 33min after dropping. Then sweep out SWG w/650gpm x 20.9MPa
7:45	10:00	2:15	CORE	7,124.0	Cut C0026B #9K(SDRCB) core from 7,114.5 - 7,124.0mBRT (158.5 - 168.0mbsf) 7,114.5 - 7,124.0mBRT (158.5 - 168.0mbsf), MP 300gpm x 4.8-5.2MPa, HPS 80rpm x 0.9-7.0kNm, WOB 0-30kN, Auto ROP 100m/hr Load and run sinker bar. Recover inner barrel.
10:00	11:15	1:15	CORE	7,124.0	Drop C0026B #10K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Make a stand connection. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.4 to 4.7MPa w/275gpm 39min after dropping. Then sweep out SWG w/650gpm x 20.8MPa
11:15	13:45	2:30	CORE	7,133.5	Cut C0026B #10K(SDRCB) core from 7,124.0 - 7,133.5mBRT (168.0 - 177.5mbsf) 7,124.0 - 7,133.5mBRT (168.0 - 177.5mbsf), MP 300gpm x 4.7-5.2MPa, HPS 80rpm x 0.9-4.3kNm, WOB 0-15kN, Auto ROP 90m/hr Load and run sinker bar. Recover inner barrel.
13:45	14:45	1:00	CORE	7,133.5	Drop C0026B #11K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 2.4 to 4.4MPa w/275gpm 33min after dropping. Sweep out SWG w/650gpm x 20.8MPa
14:45	17:00	2:15	CORE	7,143.0	Cut C0026B #11K(SDRCB) core from 7,133.5 - 7,143.0mBRT (177.5 - 187.0mbsf) 7,133.5 - 7,143.0mBRT (177.5 - 187.0mbsf), MP 300gpm x 4.7-5.1MPa, HPS 80rpm x 0.9-6.0kNm, WOB 0-30kN, Auto ROP 120m/hr Load and run sinker bar. Recover inner barrel.
17:00	18:15	1:15	CORE	7,143.0	Drop C0026B #12K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.5 to 4.5MPa w/275gpm 34min after dropping. Then sweep out SWG w/650gpm x 20.2MPa
18:15	20:30	2:15	CORE	7,152.5	Cut C0026B #12K(SDRCB) core from 7,143.0 - 7,152.5mBRT (187.0 - 196.5mbsf) 7,143.0 - 7,152.5mBRT (187.0 - 196.5mbsf), MP 250gpm x 3.5-3.9MPa, HPS 80rpm x 0.9-7.0kNm, WOB 0-35kN, Auto ROP 160m/hr Load and run sinker bar. Recover inner barrel.
20:30	21:45	1:15	CORE	7,152.5	Drop C0026B #13K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.5 to 4.4MPa w/275gpm 33min after dropping. (21:01-21:15) Yellow Status due to failure of #1 signal processing unit. So stop pumping and start preparation of POOH. (21:15-21:45) DP status shift to Advisory because it is found that the problem is only interface unit on #1 signal processing unit, and DP system still work effectively. Resume to sweep out SWG w/650gpm x 20.8MPa (21:45) Replace interface unit of #1 signal processing unit with new one, then DP status shift to green.
21:45	24:00	2:15	CORE	7,162.0	Cut C0026B #13K(SDRCB) core from 7,152.5 - 7,162.0mBRT (196.5 - 206.0mbsf) 7,152.5 - 7,162.0mBRT (196.5 - 206.0mbsf), MP 250gpm x 3.5-4.1MPa, HPS 80rpm x 0.9-5.0kNm, WOB 0-50kN, Auto ROP 160m/hr Load and run sinker bar. Recover inner barrel. Meanwhile, Conduct retermination of UWTV(OCC), on going. Planned finish date :7th Nov. Prepare space out for HPSCS and ESCS
From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	1:15	1:15	CORE	7,162.0	Drop C0026B #14K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.5 to 4.4MPa w/275gpm 39min after dropping. Then sweep out SWG w/650gpm x 20.2MPa
1:15	3:30	2:15	CORE	7,171.5	Cut C0026B #14K(SDRCB) core from 7,162.0 - 7,171.5mBRT (206.0 - 215.5mbsf) 7,162.0 - 7,171.5mBRT (206.0 - 215.5mbsf), MP 250gpm x 3.5-4.0MPa, HPS 60rpm x 0.9-5.0kNm, WOB 0-35kN, Auto ROP 120m/hr Load and run sinker bar. Recover inner barrel.
3:30	4:30	1:00	CORE	7,171.5	Drop C0026B #15K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.5 to 4.2MPa w/275gpm 33min after dropping. Then sweep out SWG w/650gpm x 20.3MPa
4:30	6:00	1:30	CORE	7,181.0	Cut C0026B #15K(SDRCB) core from 7,171.5 - 7,181.0mBRT (215.5 - 225.0mbsf) 7,171.5 - 7,181.0mBRT (215.5 - 225.0mbsf), MP 250gpm x 3.8-4.0MPa, HPS 60rpm x 0.9-8.0kNm, WOB 0-25kN, Auto ROP 150m/hr Load and run sinker bar. Recover inner barrel. ongoing

Bit Record @24:00

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	ROP (m/hr)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP
4	8.5	NOV	CJPC816S-A1	-	F312427	6 x 16	6,956.0	7,162.0	206.0	3.22	0	40	0	90	5.03	64.0					

BHA Record @24:00

7	SDRCB	8-1/2"Core bit x Float valve sub x Near bit sub w/8-1/2"stabilizer x Outer core barrel x Landing sub w/8-1/2"stabilizer x Head sub x XO#1 x 6-3/4"Coring Collar (5stds) x XO#2 x 5"DP V-150 (23stds) x XO#3 x 5"DP S-140 (66stds) x 5-1/2"DP S-140 (22stds) x XO#4 x 5-1/2"DP S-150 (25stds) x XO#5 x 5-1/2"DP UD-165 (30stds) x XO#6 x 6-5/8"DP Z-140 (13stds) x 6-5/8"DP UD-165

Mud Properties @24:00

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St. (10", 10')	API	Cake	pH	Pf	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FIT 20/40 (mm)
																								0 min : 5min

Mud Pumps : 14-P-220

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	
1	6"	65	350	20.9	6"DC 5"DP	
2	6"				196	111
4	6"	65	350			

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	332.0	57.9	87.9
Potable Water	m3	167.0	3.0	0.0
Drill Water	m3	745.0	175.0	0.0
Fuel	m3	4,483.1	41.0	0.0
Lube Oil	Ltrs	116,800	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Weather Information

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
		Air : SW	(hPa)	Speed (m/s) : Dir. (deg) : Gust (m/s)	Height (m) : Dir. (deg) : Period (s)	Speed(knt) : Dir. (deg)	(km)
24:00	bc	17.0	23.9	1021.7	5.8 : 332 : 7.5	2.3 : 350 : 6.3	0.4 : 90

Today's Schedule: Continue to cut SD-RCB core

Mud Materials on Board @24:00hrs

Item	Received	Used	Stock
Barite			76,000
Tel-Gel		18,000	118,000
Caustic soda		250	5,275
Lime		240	5,440
Flowzan			25

Mud volume

PHG (m3)	161
Kill mud (m3)	47
SWG (m3)	117
Pre-Mix (m3)	60

Marine Information @24:00

Heave (m)	0.3
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	005
Riser Tension (kN)	-
V.D. Load (ton)	12645
Max Draught (m)	9.0
Thruster (kW)	350

Heli Information @24:00

Flt.	Time	Passenger
No.	Arrived	Departed
1	09:45	09:55
2		

Boat Information @24:00

Akatsuki (Supply boat)	Status	Standby at Chikyuu
Ibuki (Guard boat)	Status	Shiogama port

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	17	

Remarks

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Well Cost (1,000 Yen) based on the cost by

Daily	Cumulative
Reported by : Y. Oishi, N. Sakurai	
Approved by : T. Saruishi	