

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01Exp. No. :405Report No. :33

Site NameJTCT-01AHole NameC0019JLat.37°56.3286'NLong.143°54.7764'ESeabed Depth :6,927.5 mBRTRT-MSL :28.5 mReport Date :9/Oct/2024

Depth : @24:007,161.5 mBRT234.0 mbsfProgress :47.5 mDrilling/Coring/Underreaming Hrs. :24.00 hrs

Depth : @06:007,180.5 mBRT253.0 mbsfLAST CASING :xmbsf(mBRT)

Summary of Operation on8-Oct: Cut SD-RCB core

Present Operation @ 06:00 on9-Oct: Cut SD-RCB core

Time Breakdown (00:00 - 24:00 on8-Oct)

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:45	2:45	CORE	7,114.0	Continue to recover inner barrel (#11K(SDRCB))
2:45	4:30	1:45	CORE	7,114.0	Drop C0019J #12K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 2.7 to 4.5MPa w/275gpm 37min after dropping. Then bottoms up w/400gpm x 8.8MPa
4:30	7:00	2:30	CORE	7,123.5	Cut C0019J #12K(SDRCB) core from 7,114.0 - 7,123.5mBRT (186.5 - 196.0mbsf) 7,114.0 - 7,123.5mBRT (186.5 - 196.0mbsf), MP 300gpm x 4.9-5.4MPa, HPS 60rpm x 0.1-6.0kNm, WOB 40-80kN, Auto ROP 80m/hr Load and run sinker bar, then recover inner barrel.
7:00	8:15	1:15	CORE	7,123.5	Drop C0019J #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 2.0 to 3.9MPa w/275gpm 36.5min after dropping. Then sweep out SWG w/400/600gpm x 8.5/19.0MPa
8:15	11:30	3:15	CORE	7,133.0	Cut C0019J #13K(SDRCB) core from 7,123.5 - 7,133.0mBRT (196.0 - 205.5mbsf) 7,123.5 - 7,133.0mBRT (196.0 - 205.5mbsf), MP 300gpm x 4.9-5.1MPa, HPS 60rpm x 0.5-7.0kNm, WOB 30-70kN, Auto ROP 60m/hr Load and run sinker bar, then recover inner barrel.
11:30	12:15	0:45	CORE	7,133.0	Drop C0019J #14K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 2.7 to 4.3MPa w/275gpm 36min after dropping. Then bottoms up w/400gpm x 8.0MPa
12:15	15:15	3:00	CORE	7,142.5	Cut C0019J #14K(SDRCB) core from 7,133.0 - 7,142.5mBRT (205.5 - 215.0mbsf) 7,133.0 - 7,142.5mBRT (205.5 - 215.0mbsf), MP 250gpm x 3.7-4.1MPa, HPS 60rpm x 0.9-8.0kNm, WOB 40-70kN, Auto ROP 80m/hr Load and run sinker bar, then recover inner barrel.
15:15	16:45	1:30	CORE	7,142.5	Drop C0019J #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 4.8MPa w/275gpm 52min after dropping. Then sweep out SWG w/600gpm x 18.4MPa
16:45	19:45	3:00	CORE	7,152.0	Cut C0019J #15K(SDRCB) core from 7,142.5 - 7,152.0mBRT (215.0 - 224.5mbsf) 7,142.5 - 7,152.0mBRT (215.0 - 224.5mbsf), MP 300gpm x 4.5-5.4MPa, HPS 80rpm x 0.5-9.0kNm, WOB 10-80kN, Auto ROP 80m/hr Load and run sinker bar, then recover inner barrel. Unload sinker bar.
19:45	20:30	0:45	CORE	7,152.0	Drop C0019J #16K(SDRCB) inner barrel. Confirm inner barrel landing by increasing pressure from 2.7 to 4.0MPa w/275gpm 35min after dropping. Then bottoms up w/400gpm x 8.0MPa
20:30	23:15	2:45	CORE	7,161.5	Cut C0019J #16K(SDRCB) core from 7,152.0 - 7,161.5mBRT (224.5 - 234.0mbsf) 7,152.0 - 7,161.5mBRT (224.5 - 234.0mbsf), MP 300gpm x 4.5-6.1MPa, HPS 80rpm x 0.5-10.0kNm, WOB 30-80kN, Auto ROP 80m/hr Load and run sinker bar, then recover inner barrel. Unload sinker bar.
23:15	24:00	0:45	CORE	7,161.5	Drop C0019J #17K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.7 to 4.8MPa w/275gpm 34min after dropping.
					Meanwhile (07:10-10:35) Advisory status due to Generator maintenance

Time Breakdown (00:00 - 06:00 on9-Oct)

* The data on 00:00 - 06:00 is unofficial.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	4:00	4:00	CORE	7,171.0	Cut C0019J #17K(SDRCB) core from 7,161.5 - 7,171.0mBRT (234.0 - 243.5mbsf) 7,161.5 - 7,171.0mBRT (234.0 - 243.5mbsf), MP 300gpm x 4.6-8.8MPa, HPS 80rpm x 0.9-9.0kNm, WOB 30-100kN, Auto ROP 80m/hr Observe pressure increasing gradually to 8.8MPa, after pass 7,169.0mBRT pressure drop to 7.4MPa. Load and run sinker bar, then recover inner barrel.
4:00	5:00	1:00	CORE	7,171.0	Drop C0019J #18K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 3.5 to 5.1MPa w/275gpm 36min after dropping. Observe pressure slightly higher than before coring. Check pressure with 150/200/250/300/350/400/450/500/550/600gpm x 1.9/2.7/3.9/5.3/7.0/8.7/10.9/13.5/16.5/19.0MPa. Confirm pressure back to normal. Then bottoms up w/400gpm x 8.9MPa
5:00	6:00	1:00	CORE	7,180.5	Cut C0019J #18K(SDRCB) core from 7,171.0 - 7,180.5mBRT (243.5 - 253.0mbsf) 7,171.0 - 7,180.5mBRT (243.5 - 253.0mbsf), MP 300gpm x 4.9-5.5MPa, HPS 80rpm x 0.9-9.0kNm, WOB 30-70kN, Auto ROP 70m/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)	Dull Condition								
							From	To		Min.	Max.	Min.	Max.		Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	8.5	NOV	CJPC713-A	-	F312253	7 x 16	6,927.5	7,161.5	234.0	10.18	0	100	0	80	16.91	23.0						

BHA Record @24:00

5	SDRCB	0-1/2" Core Bit x Float Valve Sub x Near Bit Sub w/0-1/2" Stabilizer x Outer Core Barrel x Landing Sub w/0-1/2" Stabilizer x Head Sub x XO#1 x 6-3/4" Coring Collar (Jstus) x XO#2 x 5" DP w/150 (22stds) 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	5 min

Mud Pumps : 14-P-220

5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	60	300	20.0	6"DC 5"DP
2	6"				
4	6"	60	300		168 95

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	214.7	56.7	77.6
Potable Water	m3	249.6	3.4	0.0
Drill Water	m3	1,370.0	0.0	0.0
Fuel	m3	5,585.1	40.5	0.0
Lube Oil	Ltrs	123,900	2,800.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Personnel @24:00

MarE3	6
MQJ Crew	100
MWJ	19
Scientist	26
LSS	0
Outreach	3
JAMSTEC PR	1
Sub-contractor	
WL	
NOV	0
Expro	
NuStar	3
Total	158

Mud Materials on Board @24:00hrs

(unit: kg)

Item	Received	Used	Stock
Barite			76,000
Tel-Gel			190,000
Caustic soda			8,625
Lime			8,560
Flowzan			25

Mud volume

PHG (m3)	377
Kill mud (m3)	50
SWG (m3)	103
Pre-Mix (m3)	65

Marine Information @24:00

Heave (m)	0.7
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	020
Riser Tension (kN)	-
V.D. Load (ton)	14312
Max Draught (m)	9.0
Thruster (kW)	600

Heli Information @24:00

Flt. No.	Time	Passenger		
	Arrived	Departed	Are.	Dept.
1	09:35	09:45	1	5
2				

Boat Information @24:00

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

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	27	

Remarks

0:30 General Safety Meeting (English)
7:15, 13:15 General Safety Meeting (Japanese)

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

Daily	
Cumulative	

Reported by : Y.Oishi, N.Sakurai

Approved by : T.Sarhashi