

Chikyu DAILY MORNING REPORT

Mission No. : CK24-01

Exp. No. : 405

Report No. : 31

Site Name	JTCT-01A	Hole Name	C0019J	Lat.	37°56.3286'N	Long.	143°54.7764'E	Seabed Depth :	6,927.5	mBRT	RT-MSL :	28.5	m	Report Date :	7/Oct/2024
Depth :	@24:00	7,066.5	mBRT	139.0	mbsf	Progress :	47.5	m	Drilling/Coring/Underreaming Hrs. :	24.00	hrs				
Depth :	@06:00	7,076.0	mBRT	148.5	mbsf	LAST CASING :		x	mbsf(		mBRT)				
Summary of Operation				on	6-Oct	:	Cut SD-RCB core								
Present Operation @ 06:00				on	7-Oct	:	Cut SD-RCB core								
Time Breakdown (00:00 - 24:00)				on	6-Oct	:	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	7,019.0	Continue to recover inner barrel Find core liner deform and stuck inside inner barrel.
0:45	2:00	1:15	CORE	7,019.0	Drop C0019J #2K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 1.5MPa to 3.1MPa w/200gpm 43min after dropping. Check pressure with 200/400/600gpm x 3.1/9.9/20.5MPa.
2:00	2:45	0:45	CORE	7,028.5	Cut C0019J #2K(SDRCB) core from 7,019.0 to 7,028.5mBRT (91.5 - 101.0mbsf) 7,019.0 - 7,028.5mBRT (91.5 - 101.0mbsf), MP 200gpm x 2.8-3.2MPa, HPS 40rpm x 0.8-3.5kNm, WOB 0-30kN, Auto ROP 20m/hr
2:45	5:45	3:00	CORE	7,028.5	Recover inner barrel Load and run sinker bar.
5:45	7:30	1:45	CORE	7,028.5	Drop C0019J #3K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel, then make drill pipe stand connection Pump SWG 5m3 and confirm inner barrel landing by increasing pressure from 2.2 to 4.5MPa w/250gpm 57min after dropping due to connection Sweep out SWG w/600gpm x 20MPa then check pressure with 400/600gpm x 9.8/20.5MPa.
7:30	11:45	4:15	CORE	7,038.0	Cut C0019J #3K(SDRCB) core from 7,028.5 - 7,038.0mBRT (101.0 - 110.5mbsf) 7,028.5 - 7,038.0mBRT (101.0 - 110.5mbsf), MP 300gpm x 4.9-5.4MPa, HPS 60rpm x 0.1-10.0kNm, WOB 0-30kN Lay out inner barrel then unload sinker bar and pump SWG 5m3
11:45	12:45	1:00	CORE	7,038.0	Drop C0019J #4K(SDRCB) inner barrel. Confirm inner barrel landing by increasing pressure from 2.1 to 4.2MPa w/250gpm 33min after dropping, then sweep out SWG w/600gpm x 19.5MPa Check pressure with 400gpm x 9.5MPa.
12:45	17:00	4:15	CORE	7,047.5	Cut C0019J #4K(SDRCB) core from 7,038.0 - 7,047.5mBRT (110.5 - 120.0mbsf) 7,038.0 - 7,047.5mBRT (110.5 - 120.0mbsf), MP 200gpm x 2.5-3.9MPa, HPS 40rpm x 0.5-5.0kNm, WOB 0-30kN, Auto ROP 20m/hr Load and run sinker bar, then recover inner barrel.
17:00	18:00	1:00	CORE	7,047.5	Drop C0019J #5K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/250gpm. Confirm inner barrel landing by increasing pressure from 2.0 to 3.6MPa w/250gpm 37min after dropping. Then sweep out SWG w/600gpm x 19.4MPa
18:00	22:00	4:00	CORE	7,057.0	Cut C0019J #5K(SDRCB) core from 7,047.5 - 7,057.0mBRT (120.0 - 129.5mbsf) 7,047.5 - 7,057.0mBRT (120.0 - 129.5mbsf), MP 300gpm x 4.8-5.3MPa, HPS 60rpm x 0.5-6.0kNm, WOB 0-30kN, Auto ROP 20m/hr Load and run sinker bar, then recover inner barrel.
22:00	23:00	1:00	CORE	7,057.0	Drop C0019J #6K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/250gpm. Confirm inner barrel landing by increasing pressure from 2.1 to 3.8MPa w/250gpm 36min after dropping. Then sweep out SWG w/600gpm x 19.0MPa
23:00	24:00	1:00	CORE	7,066.5	Cut C0019J #6K(SDRCB) core from 7,057.0 - 7,066.5mBRT (129.5 - 139.0mbsf) 7,057.0 - 7,066.5mBRT (129.5 - 139.0mbsf), MP 250gpm x 3.3-4.1MPa, HPS 50rpm x 0.5-6.0kNm, WOB 0-30kN, Auto ROP 20m/hr Load and run sinker bar, on going.
					Meanwhile (06:20-08:20, 20:45-22:25) Advisory status due to loading/off loading from Akatsuki Set RGR in 0.8m position when current come from AFT side of Vessel

Time Breakdown (00:00 - 06:00 on 7-Oct) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	3:00	3:00	CORE	7,066.5	Continue to recover inner barrel (#6K(SDRCB))
3:00	4:30	1:30	CORE	7,066.5	Drop C0019J #7K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel, then make drill pipe stand connection Pump SWG 5m3 and confirm inner barrel landing by increasing pressure from 2.1 to 4.2MPa w/250gpm 51.5min after dropping due to connection Sweep out SWG w/600gpm x 19.1MPa then check pressure with 400gpm x 9.1MPa.
4:30	6:00	1:30	CORE	7,076.0	Cut C0019J #7K(SDRCB) core from 7,066.5 - 7,076.0mBRT (139.0 - 148.5mbsf) 7,066.5 - 7,076.0mBRT (139.0 - 148.5mbsf), MP 300gpm x 4.9-5.3MPa, HPS 50rpm x 0.1-5.1kNm, WOB 0-30kN, Auto ROP 20m/hr 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	7,066.5	139.0	7.78	0	30	0	60	8.75	17.9										

BHA Record @24:00

5	SDRCB	6-1/2" Core bit x Float valve sub x Near bit sub w/6-1/2" stabilizer x Outer core barrel x Landing sub w/6-1/2" stabilizer x Head sub x XO#1 x 6-3/4" Coring Collar (3stds) x XO#2 x 5" DP V-150 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																				Hook Wt. (knt) @24:00 7,055.0 mBRT				
																						Hook Load 3,490				
																						BHA 140				
																						Below Jar				
																						HPS & Traveling block 680				
																						CSG/TBG				

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		K+	n	K	LGS	FIT 20/40 (mm)	
																		In	Out					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"				168
4	6"	60	300		95

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	218.3	58.7	39.9
Potable Water	m3	255.4	4.6	0.0
Drill Water	m3	1,552.0	18.0	0.0
Fuel	m3	5,669.9	41.2	0.0
Lube, Oil	Ltrs	126,700	500.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Personnel @24:00

MarE3	6
MQJ Crew	99
MWJ	19
Scientist	28
LSS	2
Outreach	3
JAMSTEC PR	1
Sub-contractor	
WL	
NOV	1
Expro	
NuStar	3
Total	162

Mud Materials on Board @24:00hrs

Item	Received	Used	Stock
Barite			76,000
Tel-Gel			208,000
Caustic soda			9,025
Lime			8,960
Flowzan			25

Mud volume

PHG (m3)	219
Kill mud (m3)	50
SWG (m3)	76
Pre-Mix (m3)	49

Marine Information @24:00

Heave (m)	0.5
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	160
Riser Tension (kN)	-
V.D. Load (ton)	14323
Max Draught (m)	9.0
Thruster (kW)	1800

Heli Information @24:00

Ft. No.	Time		Passenger	
	Arrived	Departed	Are.	Dept.
1	10:55	12:10	0	1
2				

Boat Information @24:00

Akatsuki (Supply boat)	Status	Standby at Chikyu
Ibuki (Guard boat)	Status	On the way to Shioyama port

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	33	

Remarks

(13:15) Emergency drill for Fire and Abandon ship

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

Daily	
Cumulative	

Reported by : Y.Oishi, N.Sakurai

Approved by : T.Saruhashi

Today's Schedule: Cut SD-RCB core