

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01

Exp. No. :405

Report No. :32

Site NameJTCT-01A

Hole NameC0019J

Lat.37°56.3286'N

Long.143°54.7764'E

Seabed Depth :6,927.5 mBRT

RT-MSL :28.5 m

Report Date :8/Oct/2024

Depth : @24:007,114.0 mBRT186.5 mbsf

Depth : @06:007,123.5 mBRT196.0 mbsf

Summary of Operation on7-Oct: Cut SD-RCB core, Trip for WOW

Present Operation @ 06:00 on8-Oct: Cut SD-RCB core

Time Breakdown (00:00 - 24:00 on7-Oct)

mBRT: meter below rotary table

mbsf: meter below sea floor

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	8:15	3:45	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 Load and run sinker bar, then recover inner barrel.
8:15	9:30	1:15	CORE	7,076.0	Drop C0019J #8K(SDRCB) inner barrel. Confirm inner barrel landing by increasing pressure from 2.2 to 4.3MPa w/250gpm 38min after dropping, then sweep out SWG w/600gpm x 19.5MPa Check pressure with 400gpm x 8.9MPa.
9:30	13:45	4:15	CORE	7,085.5	Cut C0019J #8K(SDRCB) core from 7,076.0 - 7,085.5mBRT (148.5 - 158.0mbsf) 7,076.0 - 7,085.5mBRT (148.5 - 158.0mbsf), MP 300gpm x 4.5-5.4MPa, HPS 50rpm x 0.9-6.0kNm, WOB 30-100kN, Auto ROP 25m/hr Load and run sinker bar, then recover inner barrel.
13:45	14:45	1:00	CORE	7,085.5	Drop C0019J #9K(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 3.9MPa w/250gpm 36min after dropping. Then sweep out SWG w/600gpm x 18.8MPa
14:45	18:30	3:45	CORE	7,095.0	Cut C0019J #9K(SDRCB) core from 7,085.5 - 7,095.0mBRT (158.0 - 167.5mbsf) 7,085.5 - 7,095.0mBRT (158.0 - 167.5mbsf), MP 300gpm x 4.5-5.5MPa, HPS 60rpm x 0.1-7.5kNm, WOB 50-90kN, Auto ROP 80m/hr Load and run sinker bar, then recover inner barrel.
18:30	19:15	0:45	CORE	7,095.0	Drop C0019J #10K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 3.0 to 5.0MPa w/300gpm 35min after dropping. Then BTM's up w/400gpm x 8.7MPa
19:15	21:45	2:30	CORE	7,104.5	Cut C0019J #10K(SDRCB) core from 7,095.0 - 7,104.5mBRT (167.5 - 177.0mbsf) 7,095.0 - 7,104.5mBRT (167.5 - 177.0mbsf), MP 250gpm x 3.4-4.6MPa, HPS 50rpm x 0.1-7.0kNm, WOB 40-80kN, Auto ROP 80m/hr Load and run sinker bar, then recover inner barrel. Unload sinker bar.
21:45	22:15	0:30	WAIT	7,104.5	POOH for WOW, due to expected change of wind direction, by cold front. When stand back 1std of Drill pipe, estimated cold front has passed, so stop POOH and run back to bottom.
22:15	23:30	1:15	CORE	7,104.5	Drop C0019J #11K(SDRCB) inner barrel. Confirm inner barrel landing by increasing pressure from 2.7 to 4.7MPa w/275gpm 49min after dropping. Then sweep out SWG w/600gpm x 19.5MPa
23:30	24:00	0:30	CORE	7,114.0	Cut C0019J #11K(SDRCB) core from 7,104.5 - 7,114.0mBRT (177.0 - 186.5mbsf) 7,104.5 - 7,114.0mBRT (177.0 - 186.5mbsf), MP 200gpm x 2.4-3.0MPa, HPS 60rpm x 0.1-9.0kNm, WOB 20-50kN, Auto ROP 60m/hr
					Meanwhile Maintenance 8-1/2in Coring Jar by NOV engineer, completed

Time Breakdown (00:00 - 06:00 on8-Oct)

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

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	2:45	2:45	CORE	7,114.0	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	6:00	1:30	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 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	7,114.0	186.5	9.47	0	100	0	60	14.01	19.7						

BHA Record @24:00

5	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 (3stds) x XO#2 x 5" DP V-130 (2stds) 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 (min)	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	193.8	65.0	40.5
Potable Water	m3	253.0	2.4	0.0
Drill Water	m3	1,370.0	182.0	0.0
Fuel	m3	5,625.6	44.3	0.0
Lube, Oil	Ltrs	126,700	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	r	24.0 : 27.1	1009.0	11.0 : 5 : 13.0	1.9 : 120 : 5.5	1.8 : 51	19.0

Today's Schedule: Cut SD-RCB core

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 (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)	119
Pre-Mix (m3)	65

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	260
Riser Tension (kN)	-
V.D. Load (ton)	14327
Max Draught (m)	9.0
Thruster (kW)	1000

Heli Information @24:00

Flt. No.	Time	Passenger		
	Arrived	Departed	Are.	Dept.
1				
2				

Boat Information @24:00

Akatsuki (Supply boat)	Status	Standby at Chikyu
Ibuki (Guard boat)	Status	Standby at Shiogama port
HSQE and other information		
Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	31	

Remarks

07:15, 13:00, 19:00 General Safety Meeting (English)

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

Daily

Cumulative

Reported by : Y.Oishi, N.Sakurai

Approved by : T.Saruhashi