

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01

Exp. No. :405

Report No. :36

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 :12/Oct/2024

Depth : @24:007,257.0 mBRT329.5 mbsf

Depth : @06:007,266.5 mBRT339.0 mbsf

Progress :48.0 m

Drilling/Coring/Underreaming Hrs. :19.00 hrs

Summary of Operation on11-Oct :WOW, Run SD-RCB assembly to 7,209.0mBRT (Bottom), Cut SD-RCB

Present Operation @ 06:00 on12-Oct :Cut SD-RCB

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:00	2:00	WAIT	7,209.0	Continue to WOW. (0:00-2:00) Advisory status due to Vessel position deviation over 5m from wellcenter (2:00) Back to Green status
2:00	5:00	3:00	TRIP	7,209.0	Run SD-RCB assembly from 6,963.5mBRT to 7,209.0mBRT Hold TBRA. Set RGR position 0.8m from wellcenter Pump 10m3 SWG and wash down from 7,182.0mBRT to 7,209.0mBRT w/700gpm x 14.5MPa. Tag bottom at 7,209mBRT, confirm no fill on bottom. Then sweep out at bottom w/700gpm x 14.5MPa
5:00	6:00	1:00	CORE	7,209.0	Drop C0019J #22K(SDRCB) inner barrel. Confirm inner barrel landing by increasing pressure from 2.6 to 4.7MPa w/275gpm 33min after dropping. Check pressure with 400/600gpm x 8.5/18.5MPa. Then bottoms up w/400gpm x 8.5 to 9.5MPa
6:00	10:00	4:00	CORE	7,218.5	Cut C0019J #22K(SDRCB) core from 7,209.0 - 7,218.5mBRT (281.5 - 291.0mbsf) 7,209.0 - 7,218.5mBRT (281.5 - 291.0mbsf), MP 300gpm x 4.9-5.4MPa, HPS 80rpm x 1.0-9.0kNm, WOB 20-70kN, Auto ROP 60m/hr Load and run sinker bar. Install wiper for removing coreline grease. Recover inner barrel.
10:00	11:15	1:15	CORE	7,218.5	Drop C0019J #23K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump SWG 5m3 then make drill pipe stand connection Confirm inner barrel landing by increasing pressure from 2.7 to 4.7MPa w/275gpm 46min after dropping Continue to pump SWG w/600gpm x 17.5MPa until before sweep coming out from bit. Then bottoms up w/400gpm x 8.5MPa.
11:15	14:15	3:00	CORE	7,228.0	Cut C0019J #23K(SDRCB) core from 7,218.5 - 7,228.0mBRT (291.0 - 300.5mbsf) 7,218.5 - 7,228.0mBRT (291.0 - 300.5mbsf), MP 300gpm x 4.9-6.0MPa, HPS 80rpm x 1.0-9.0kNm, WOB 20-80kN, Auto ROP 60m/hr Load and run sinker bar. Install wiper for removing coreline grease. Recover inner barrel.
14:15	15:00	0:45	CORE	7,228.0	Drop C0019J #24K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 2.5 to 4.4MPa w/275gpm 36min after dropping Then bottoms up w/400gpm x 8.0MPa.
15:00	17:45	2:45	CORE	7,237.5	Cut C0019J #24K(SDRCB) core from 7,228.0 - 7,237.5mBRT (300.5 - 310.0mbsf) 7,228.0 - 7,237.5mBRT (300.5 - 310.0mbsf), MP 300gpm x 4.5-9.0MPa, HPS 80rpm x 1.0-10.0kNm, WOB 40-90kN, Auto ROP 60m/hr Load and run sinker bar. Install wiper for removing coreline grease. Recover inner barrel.
17:45	18:45	1:00	CORE	7,237.5	Drop C0019J #25K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump 5m3 of SWG w/275gpm. Confirm inner barrel landing by increasing pressure from 2.6 to 4.4MPa w/275gpm 35min after dropping. Then sweep out SWG w/600gpm x 18.3MPa
18:45	21:30	2:45	CORE	7,247.5	Cut C0019J #25K(SDRCB) core from 7,237.5 - 7,247.5mBRT (310.0 - 320.0mbsf) 7,237.5 - 7,247.5mBRT (310.0 - 320.0mbsf), MP 300gpm x 4.5-5.8MPa, HPS 90rpm x 1.0-12.0kNm, WOB 40-80kN, Auto ROP 50m/hr Load and run sinker bar, then recover inner barrel.
21:30	22:15	0:45	CORE	7,247.5	Drop C0019J #26K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Confirm inner barrel landing by increasing pressure from 2.4 to 4.7MPa w/275gpm 36min after dropping Then bottoms up w/400gpm x 8.3MPa.
22:15	24:00	1:45	CORE	7,257.0	Cut C0019J #26K(SDRCB) core from 7,247.5 - 7,257.0mBRT (320.0 - 329.5mbsf) 7,247.5 - 7,257.0mBRT (320.0 - 329.5mbsf), MP 300gpm x 4.5-8.3MPa, HPS 80rpm x 1.0-10.0kNm, WOB 40-120kN, Auto ROP 50m/hr Load and run sinker bar, on going.

Time Breakdown (00:00 - 06:00 on12-Oct)

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

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	1:15	1:15	CORE	7,257.0	Recover inner barrel
1:15	2:45	1:30	CORE	7,257.0	Drop C0019J #27K(SDRCB) inner barrel. Unload sinker bar after drop inner barrel. Pump SWG 5m3 then make drill pipe stand connection Confirm inner barrel landing by increasing pressure from 2.7 to 4.7MPa w/275gpm 51min after dropping Continue to pump SWG w/600gpm x 17.5MPa until before sweep coming out from bit. Then bottoms up w/400gpm x 8.2MPa.
2:45	5:45	3:00	CORE	7,266.5	Cut C0019J #27K(SDRCB) core from 7,257.0 - 7,266.5mBRT (329.5 - 339.0mbsf) 7,257.0 - 7,266.5mBRT (329.5 - 339.0mbsf), MP 300gpm x 4.6-5.9MPa, HPS 80rpm x 1.0-8.0kNm, WOB 10-70kN, Auto ROP 50m/hr Load and run sinker bar. Install wiper for removing coreline grease. Recover inner barrel.
5:45	6:00	0:15	CORE	7,266.5	Drop C0019J #28K(SDRCB) inner barrel. Unload sinker bar after drop 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-A1	-	F312253	7 x 16	6,927.5	7,257.0	329.5	11.85	0	100	0	90	25.03	27.8										

BHA Record @24:00

No.	SDRCB	Core Bit x Float Valve Sub x Near Bit Sub w/o 1/2 Stabilizer x Outer Core Barrel x Landing Sub w/o 1/2 Stabilizer x Head Sub x XO#1 x 6-5/8" Coring Collar (Jstus) x XO#2 x 5-1/2" DP (22stds) x XO#3 x 5-1/2" 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"	70	300	14.5	6"DC 5"DP
2	6"				
4	6"	70	300		

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	285.5	60.3	81.7
Potable Water	m3	239.0	2.0	0.0
Drill Water	m3	1,322.0	0.0	0.0
Fuel	m3	5,445.2	47.7	0.0
Lube_Oil	Ltrs	123,900	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Personnel @24:00

MarE3	6
MQJ Crew	100
MWJ	19
Scientist	26
Outreach	3
JAMSTEC PR	1
Sub-contractor	
	WL
	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)	347
Kill mud (m3)	50
SWG (m3)	122
Pre-Mix (m3)	35

Marine Information @24:00

Heave (m)	1.4
Pitch (deg)	1.2
Roll (deg)	0.4
Vessel Heading (deg)	045
Riser Tension (kN)	-
V.D. Load (ton)	14151
Max Draught (m)	9.0
Thruster (kW)	800

Heli Information @24:00

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

Boat Information @24:00

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

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	32	

Remarks

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

Daily	
Cumulative	

Reported by : Y.Oishi, N.Sakurai

Approved by : T.Saruhashi