

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01

Exp. No. :405

Report No. :51

Site NameJTCT-01AHole NameC0019K

Lat.37°56.3461'NLong.143°54.8168'ESeabed Depth :6,904.0mBRT

RT-MSL :28.5 mReport Date :27/Oct/2024

Depth : @24:007,729.0mBRT825.0mbsf

Progress :32.0mDrilling/Coring/Underreaming Hrs. :17.25hrs

Depth : @06:007,732.5mBRT828.5mbsf

LAST CASING :xmbsf(mBRT)

Summary of Operation on26-Oct :Drill down to 7,719.0mBRT, Short trip, Cut SD-RCB #1-#2

Present Operation @ 06:00 on27-Oct :Cut SD-RCB #3

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

Time Breakdown ( 00:00 - 24:00 on26-Oct )

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	7:30	7:30	DRL	7,719.0	Drill down 8-1/2"hole from 7,544.0mBRT to 7,719.0mBRT (640.0 ~ 815.0mbsf). MPHPSWOBROP set 7,544.0 - 7,582.5mBRT (640.0 - 678.5mbsf) 500gpm x 10.0-11.9MPa 60rpm x 0.1-8.0kNm 0-80kN 50m/hr 7,582.5 - 7,719.0mBRT (678.5 - 815.0mbsf) 500gpm x 10.0-12.1MPa 70rpm x 0.1-10.0kNm 0-70kN 50m/hr Sweep out 10m3 SWG every stand
7:30	8:45	1:15	TRIP	7,719.0	Short Trip from 7,719mBRT to 7,430mBRT (815.0 ~ 526.0mbsf). Observe no excess drag.
8:45	9:15	0:30	CORE	7,719.0	Install drain hose to HPS.
9:15	14:45	5:30	TRIP	7,719.0	Resume Short Trip from 7,430mBRT to 7,719mBRT (526.0 ~ 815.0mbsf). Observe no excess drag and no fill. Sweep out 20m3 of SWG w/650gpm x 17.5MPa Recover Center bit with CBRT. Observe no damage on cutter, and slightly deform center bit key shoulder Nozzle plugged x 2ea (Total 3ea) Deform latch dog on pull bar and replace to new one Deform box thread on middle section of inner barrel and replace to new one Unload sinker bar and pump sweep 15m3
14:45	16:00	1:15	CORE	7,719.0	Drop C0019K #1K(SDRCB) inner barrel. Drop inner barrel. Pump 15m3 SWG. Pump to chase and confirm inner barrel landing by increasing pressure from 3.7 to 5.3MPa w/275gpm 33min after dropping. Increase pump rate to 650gpm x 19.3MPa and sweep out 15m3 SWG.
16:00	19:30	3:30	CORE	7,724.0	Cut C0019K #1K(SDRCB) core from 7,719.0 - 7,724.0mBRT (815.0 - 820.0mbsf) 7,719.0 - 7,724.0mBRT (815.0 - 820.0mbsf), MP 450gpm x 9.0-9.4MPa, HPS 90rpm x 1.0-12.0kNm, WOB 0-60kN, Auto ROP 40m/hr Reduce HPS speed to 30rpm and stop pumping after reaching 7,749.5mBRT. Wait 3min, stop rotation and take 10-20kN WOB for plugging at shoe. Load and run sinker bar. Recover inner barrel. Sweep out 15m3 SWG w/650gpm x 13.5MPa.
19:30	20:45	1:15	CORE	7,724.0	Drop C0019K #2K(SDRCB) inner barrel. Drop inner barrel. Pump 15m3 SWG. Pump to chase and confirm inner barrel landing by increasing pressure from 3.7 to 5.3MPa w/275gpm 32min after dropping. Increase pump rate to 650gpm x 19.2MPa and sweep out 15m3 SWG.
20:45	24:00	3:15	CORE	7,729.0	Cut C0019K #2K(SDRCB) core from 7,724.0 - 7,729.0mBRT (820.0 - 825.0mbsf) 7,724.0 - 7,729.0mBRT (820.0 - 825.0mbsf), MP 450gpm x 8.9-9.2MPa, HPS 90rpm x 2.0-13.0kNm, WOB 0-40kN, Auto ROP 40m/hr Reduce HPS speed to 30rpm and stop pumping after reaching 7,749.5mBRT. Wait 3min, stop rotation and take 10-20kN WOB for plugging at shoe. Load and run sinker bar. Recover inner barrel. Sweep out 15m3 SWG w/650gpm x 13.3MPa, ongoing
From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	0:15	0:15	CORE	7,729.0	Continue to pump sweep
0:15	1:30	1:15	CORE	7,729.0	Drop C0019K #3K(SDRCB) inner barrel. Drop inner barrel. Pump 15m3 SWG. Pump to chase and confirm inner barrel landing by increasing pressure from 3.0 to 4.4MPa w/275gpm 33min after dropping. Increase pump rate to 650gpm x 19.3MPa and sweep out 15m3 SWG.
1:30	6:00	4:30	CORE	7,732.5	Cut C0019K #3K(SDRCB) core from 7,729.0 - 7,732.5mBRT (825.0 - 828.5mbsf) 7,729.0 - 7,732.5mBRT (825.0 - 828.5mbsf), MP 450gpm x 8.9-9.2MPa, HPS 90rpm x 2.0-13.0kNm, WOB 0-100kN, Auto ROP 40m/hr Observe pressure increases to 10.0MPa from 9.2MPa at 7,732.5mBRT and stop coring at the depth (Original planned target depth :7,735.5mBRT) Reduce HPS speed to 30rpm and stop pumping after reaching 7,732.5mBRT. Wait 3min, stop rotation and take 80kN WOB for plugging at shoe. Load and run sinker bar. Recover inner barrel. Sweep out 15m3 SWG x twice w/650gpm x 13.3MPa.
(03:10 - 04:00) Advisory status due to loading operation with Akatsuki.					

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	7,757.5	830.0	26.53	0	120	0	100	100.96	31.3	Re-Run for C0019K hole after bit is clear from seabed.							
RR3a	8.5	NOV	CJPC713-A1	-	F312253	7 x 16	6,904.0	7,729.0	825.0	21.58	0	70	0	90	158.09	38.2								

BHA Record @24:00

No.	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															
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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	5min

Mud Pumps : 14-P-220 5.00 gallon/stroke @97%

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