1 -		MORNII			Mission No.: CK24-01 Exp. No.: 405			Report No.: 70
	@24:00	1A 7,010.0 7,019.5		5.0 mbsf	Lat.         37°56.3417'N         Long.         143°54.8167'E         Seabed Depth :           Progress :         49.5         m         Drilling/Coring/Underreaming Hrs. :         23.50           LAST CASING :         x         mbsf(         mBRT'	hrs	SL: <b>28.5</b> m	Report Date: 15/Nov/2024
Pre	Summary of sent Operat	of Operation ion @ 06:00	on 14- on 15-	·Nov :	ut HPCS core #8 - #10, Cut ESCS core #11-#13	1		mBRT: meter below rotary table
From 0:00	ne Breakdon To 1:15	wn ( 00:00 - Hrs 1:15	Code	Depth(mBRT)	ut #8 HPCS core (C0019M-8H) from 6,964.0 to 6,972.5mBRT (59.0 - 67	Detail of Operation		mbsf: meter below sea floor
					Run #8 HPCS inner barrel (C0019M-8H). Pump 200gpm and shoot HPCS on bottom, partial penetration with 18	8.9MPa. Bleed off pressure.		
1:15	2:15	1:00	CORE	6 972 5	Pick up by coreline with 15kN OP and assist by DW with 400kN OP, by verdrill from 6,964.0 to 6,971.0mBRT (59.0 - 66.0mbsf, 7.0m, 3times)	out fail to recover inner barrel.		
1.10	2.10	1.00	OOIL	0,072.0	Lower bit to bottom w/o pumping and rotation. Start pumping, rotation After finish each overdrill section, stop pumping, rotation and lock CM	IC.		
					[1st overdrill] 6,964.0 - 6,967.5mBRT (59.0 - 62.5mbsf), MP 50gpm x Attempt to pick up inner barrel with DW assist, but fail to pick up [2nd overdrill]6,967.5 - 6,969.0mBRT (62.5 - 64.0mbsf), MP 50gpm x	same with 400kN DW assist.		
					Attempt to pick up inner barrel with DW assist, but fail to pick up [3rd overdrill]6,969.0 - 6,971.0mBRT (64.0 - 66.0mbsf), MP 55gpm x	same with 400kN DW assist.		
0.45	2.22	4.45	CODE	0.070.5	Pick up inner barrel with 335kN of DW assist. Start to pick up co	reline w/o OP at the same time	as OP of DW	is released.
2:15 3:30	3:30 3:45	1:15 0:15	DRL		ecover HPCS inner barrel (C0019M-8H). (9.55m/8.5m 112.4% recovered rill down from 6,971.0 to 6,972.5mBRT (66.0 - 67.5mbsf, 1.5m),	d)		
					MP 200gpm x 1.6-2.3MPa, HPS 20rpm x 0.1-4.0kNm, WOB 0-40kN,			
3:45	5:00	1:15	CORE	6,979.0	ut #9 HPCS core (C0019M-9H) from 6,972.5 to 6,979.0mBRT (67.5 - 74 Run #9 HPCS/APCT-3 inner barrel (C0019M-9H). Pump 200gpm and shoot HPCS at 0.5m off bottom, partial penetratio		sure and wait	10min for APCT 3 measurement
				-	Pick up by coreline with 15kN OP and assist by DW with 400kN OP, b		sure and wait	Torrin Tor Ar O1-5 measurement.
5:00	5:30	0:30	DRL	6,979.0	verdrill from 6,972.5 - 6,977.0mBRT (67.5 - 72.0mbsf) Lower bit to bottom w/o pumping and rotation. Start pumping, rotation	n and CMC once reach to botton	m.	
					MP 50gpm x 1.0-1.8MPa, HPS 30rpm x 0.1-5.0kNm, WOB 0-50kN, A Pick up inner barrel with 288kN of DW assist. Start to pick up coreline		6.5mBRT (6.0	Im off bottom).
5:30	6:45	1:15	CORE	6,979.0	ecover HPCS/APCT-3 inner barrel (C0019M-9H). (7.7m/6.5m 118.5% re Lay out AFT sinker bar due to damge above sinker bar socket then s			
6:45	7:15	0:30	DRL	6,979.0	rill down from 6,977.0 - 6,979.0mBRT (72.0 - 74.0mbsf, 2.0m) MP 250gpm x 3.2-3.3MPa, HPS 30rpm x 0.1-4.0kNm, WOB 0-40kN, A	Avo. POP 20m/hr		
7:15	10:00	2:45	CORE	6,981.5	ut #10 HPCS core (C0019M-10H) from 6,979.0 to 6,981.5mBRT (74.0 -			
					Load sinker bar and run #10 HPCS inner barrel (C0019M-10H). Pump 200gpm and shoot HPCS on bottom, partial penetration with 2	1.1MPa. Bleed off pressure.	D (DW)	
					Pick up inner barrel with 250kN of DW assist. Start to pick up coreline The decision is made to switch from HPCS to ESCS, because ac Recover inner barrel to surface (9.82m/2.5m 398.2% recovered).			
10:00	10:30	0:30	DRL	6,981.5	rill down from 6 979 0 - 6 981 5mBRT (74 0 - 76 5mbsf)			
		•••••		***************************************	MP 250gpm x 2.1-3.1MPa, HPS 30rpm x 0.1-5.0kNm, WOB 0-50kN, Bottom up with 650gpm x 11.1MPa	Ave. ROP 17m/hr		
10:30	11:45	1:15	CORE	6,981.5	rop #11 ESCS core(C0019M-11X) inner barrel. Drop inner barrel and confirm inner barrel landing by increasing press	sure from 2.4 to 7.1MPa w/275o	gpm 31min af	ter dropping.
44.45	40.00			0.004.0	After landing, check pressure:150 / 200 / 300 / 400 / 500 gpm x 2.7 /	4.0 / 8.2 / 13.8 / 20.5MPa.		
11:45	16:00	4:15	CORE	6,991.0	ut #11ESCS core(C0019M-1X) core from 6,981.5 - 6,991.0mBRT (76.5 MP 300gpm x 7.9-8.5MPa, HPS 90rpm x 0.1-6.0kNm, WOB 20-80kN Load and run sinker bar. Recover inner barrel (Core recovery 0.54m/	l, Auto ROP 90m/hr		
					Unload sinker bar and lay out single. Make up a stand.			
16:00	16:45	0:45	CORE	6,991.0	op #12 ESCS core(C0019M-12X) inner barrel. Drop inner barrel and confirm inner barrel landing by increasing press	sure from 2.2 to 7.1MPa w/275o	gpm 34min af	ter dropping.
16:45	20:30	3:45	CORE	7,000.5	ut #12 ESCS core(C0019M-12X) core from 6,991.0 - 7,000.5mBRT (86.1 MP 400gpm x 13.3-14.0MPa, HPS 80rpm x 0.1-7.7kNm, WOB 20-601			
					Load and run sinker bar. Recover inner barrel (Core recovery 3.74m/ Observe coreline grease attached to sinker bar and inner barrel.	/9.5m 39.4%). Unload sinker ba	r	
					Meanwhile, Push out the remain core liner (C0019M-9H) inside upper inner	core tube by the pump. Retriev	e core liner a	nd observe the liner deformed badly.
20:30	21:00	0:30	C&C	7,000.5	rculate 1 string volume for cleaning the inside DP with 700gpm x 13.0-1	5.7MPa		
					Observe torque and pressure increasing from 6,996.0mBRT to 7,000 HPS: 10-30rpm x 0.1-5.2kNm, MP: 700gpm x 13.0-16.0MPa.	).5mBRT while circulating.		
21:00	21:45	0:45	CORE	7,000.5	op #13 ESCS core(C0019M-13X) inner barrel.  Drop inner barrel and confirm inner barrel landing by increasing press	sure from 2.2 to 7.0MPa w/275g	gpm 32min af	ter dropping.
21:45	24:00	2:15	CORE	7,010.0	ut #13 ESCS core(C0019M-13X) core from 7,000.5 - 7,010.0mBRT (95.			
•					MP 400gpm x 13.3-13.9MPa, HPS 80rpm x 0.1-6.8kNm, WOB 20-65l Load and run sinker bar. Recover inner barrel, ongoing.	KN, AULO ROP SUM/M		
					(19:45-20:00) Advisory status due to the APRS monitor of No.2			
0:00	1:30	Hrs. 1:30	Code CORE	7,010.0	ontinue to recover inner barrel (C0019M-13X, Core recovery 4.90m/9.5r	Detail of Operation m 51.6%).		
1:30	2:30	1:00	CORE	7,010.0	rop #14 ESCS core(C0019M-14X) inner barrel.  Drop inner barrel and confirm inner barrel landing by increasing press	sure from 2.2 to 6.6MPa w/275g	gpm 34min af	ter dropping.
2:30	5:45	3:15	CODE	7 010 5	Bottom up with 500gpm x 19.5MPa ut #14 ESCS core(C0019M-14X) 7,010.0 - 7,019.5mBRT (105.0 - 114.5i	mhof\		
2.30	3.45	3.13	CORE	7,019.5	MP 450gpm x 15.5-16.3MPa, HPS 80rpm x 0.0-7.0kNm, WOB 0-40kt Load and run sinker bar. Recover inner barrel (Core recovery 2.46m/	N, Auto ROP 40m/hr	r	
5:45	6:00	0:15	TRIP	7,019.5	OOH to 6,959mBRT, on going.			
Bit Record Bit Si	70	FR T	/ne	ADC S	Nozzies Hrs	pm Total Rev. ROP		Dull Condition
	n) 625 A	AI SC	7pe C 513 513	ode	From To age Min. Max. Min. 9 5 x 17 6,905.0 6,911.5 6.5		ner Outer Di	ull Loc. B G O.D. RP
BHA Recor		10-5/8"Core	bit x Long I	Bit sub x Sea	re Outer Core Barrel x Landing saver sub x Top sub x Head sub x 8-1//2"Coring Collar(2std) x XO#	£1 x 5"DP V-150 (23stds) x XO#2 x 5"DP S-	140 (66stds)	Hook Wt. (knt) @24:00 7,000.0 mBRT Hook Load 3,530
	55	:	•		/2"DP S-150 (25stds) x XO#4 x 5-1/2"DP UD-165 (30stds) x XO#5 x 6-5/8"DP Z-140 (13stds) x 6-5			BHA         140           Below Jar         HPS & Traveling block         680
Mud Prope Mud Type	rties @24:00	Depth	MW VIS	PV YV	Gel St. API Cake pH Pf CI- Sand Oil Solid MBC		20/40 (mm)	CSG/TBG Jar Rotating Time @24:00 S/N:
, , po		(mBRT)			(10", 10') API Cake PH PT CI Sand OII Solid MBC In Out	255 01	min 5min	Today         Total         hrs           Motor Pumping time @24:00         S/N:           Today         Total         hrs
	: 14-P-220 : Size Si		PM	ess. Ann	el. MarE3 7 Item Received Us	(unit: kg) Ised Stock	Heli Informat	tion @24:00 Time Passenger
1 6	6" 7		50 10	MPa) (m DC 6.0 196	DP         MWJ         19         Tel-Gel           1         Scientist         29         Caustic soda	100,000 118,000 5,025	No. 1 2	Arrived         Departed         Are.         Dept.           09:35         09:43         4
Materials S	5" 7 tock on Boa			sed Rec	JAMSTEC PR         1         Lime           JAMSTEC Executve         1         Flowzan	5,200 25	Boat Informa Akatsuki (Su Ibuki (Guard	
Fresh Wate Potable Wa	er	m3 2 m3 2	297.8 270.0	58.9 3.0	.7 PHG (m3) 280 Heave (m) .0 Sub-contractor Kill mud (m3) 46 Pitch (deg)	0.5 0.3	HSQE and o	ther information  Last Incident No. LTI
Drill Water Fuel Lube, Oil		m3 4,0	391.7 030.0 1,500	4.2 40.5 0.0	.0         OCC         SWG (m3)         127         Roll (deg)           .0         WL         Pre-Mix (m3)         60         Vessel Heading (deg)           .0         Expro         Riser Tension (kN)	0.1 ) 155	LTI HUNS cards Remarks	11/14/19 3 27
Heli Fuel		Ltrs	0.0	0.0	.0 NuStar 3 V.D. Load (ton)  GE Max Draught (m)	12496 9.0		
Weather In	1	Temp.	(degC)	Barometer	Total         161         Thruster (kW)           Wind         Wave         Cu	urrent Visibility	Well Cost (1 Daily	1,000 Yen) based on the cost by
24:00	Weather bc	Air	SW 23.7	(hPa) 1022.5	eed (m/s)         Dir. (deg)         Gust (m/s)         Height (m)         Dir. (deg)         Period (s)         Speed(knt)           8.8         184         10.1         1.5         120         6.6         0.5		Cumulative Reported	by : T.Yokoyama, Y.Oishi