Chikyu	I DAILY	MORNI	NG REP	ORT	Mission No. :	<u>CK18-04</u>	<u>Exp. No. :</u>	<u>Exp 358</u>		Report No. :	163
Site Name	C002	4 3 928 0	Hole Name	C0024E	E, F Lat. <u>33° 02' 00.0</u>	0000"N Long. 136	6° 47' 23.7960'E Seabed	Depth : <u>3,868.0</u> mBRT	RT-MSL : <u>28.5</u> m	Report Date :	19/Mar/2019
Depth :	: @06:00	4,024.0	mBRT 15	6.0 mbsf	f LAST CASING :	X	mbsf(	mBRT) Last BOP FT:	-	Next BOP FT: -	
Pro	Summary of	of Operation	on 18	-Mar : -Mar ·	Cut core #11 - #12 to 4,4	93.5mBRT. POOH to	above seabed. Spud	C0024F from 3,968mBRT to	o 3,928mBRT.	Last Glycol 35gal Inj.	-
Tir	me Breakdo	wn ( 00:00 -	24:00 on	-Mar 18-Mar		CB coring note from	3,928mBR1 to 4,024m	IBRI		mbsf: meter below sea floo	able or
From 0:00	To 2:45	Hrs 2:45	Code CORF	Depth(mBRT)	) Cut #11 core (C0024E-11	1R RCB) from 4 474	5mBRT to 4 484 0mB	Detail of Operation			
					Continue to RIH sink	ker bar with 160m/mi	n. Recover to surface w	/ith 140m/min (Recovery 4.1	7m / Advance 9.5m, 43	3.9% recovered).	
					Apply pump and rotati	ion while operating CL'	W w/300gpm x 3.9MPa,	10rpm x 0-1.5kNm(RIH) / 50gr to 12 8MPa(800gpm) Increase	om x 1.0MPa, 10rpm x 0- se rotation to 30-60rpm x	1.0kNm(Retrieve), Unload s	sinker bar k to 11 5MPa
					Pump another 3m3 an	nd confirm sweep out v	v/800gpm x 10.8-11.5MP	a at 0.5m off bottom. Meanwh	ile, change Akema wiper	rubber due to wire not hold	ing properly
2:45	6:30	3:45	CORE	4,493.5	Cut #12 core (C0024E-12	2R, RCB) from 4,484	mBRT to 4,493.5mBRT	-	(4.5. 0.0045. 40. 1	``````````````````````````````````````	
					Cut #12 RCB core w	el. Chase w/250gpm. //WOB:15-45kN, SPF	2:300gpm x 3.8MPa, H	PS:65rpm x 0-8.5kNm (w/Au	e (1.5→2.9MPa, 18min uto driller mode, set RO	). P 18m/hr and Max WOB	30kN)
					RIH sinker bar with 1	160m/min. Recover to	o surface with 140m/mi	n (Recovery 6.79m / Advand	ce 9.5m, 71.5% recove	red).	·····
					Apply pump and rota	ation while operating	CLW w/300gpm x 3.9M times and confirm swee	1Pa and 10rpm x 0-1.5kNm ap out w/800gpm x 10 8-11 /	(RIH), 100gpm x 1.5MF 5MPa at 1m off bottom	Pa and 10rpm x 0-1.5kNm	(Retrieve)
6:30	6:45	0:15	CORE	4,493.5	Drop #13 Inner barrel (C0	0024E-13R, RCB)					
					While chasing w/250	)gpm, observe pressi	ure fluctuated 2times(1	$7 \rightarrow 2.7$ MPa then back to 1.9	)MPa) Intinuo un to 5 1MPa at		
6:45	7:45	1:00	CORE	4,493.5	Reaming up and down fro	om 4,492.5mBRT to	4,456mBRT	a, romin), men pressure co	intillue up to 5. IMPa at	4,490.5IIIBK1. NG	
					Before DP connectio	on, attempt to remedy	hole condition.	0.041.NL 0.50.000	0.0.5 FMD		
					(Ream down)	X otimes and wipe stand wipe stand wipe stand wipe standard wipe standard wipe standard wipe standard wipe stand	2.5mBRT several times	, but difficult to lowering dow	x 3.3-5.5MPa /n due to pressure and	torque high	
					0	bserve pressure up f	irst from 3.3 to 5.1MPa	(250gpm), 4.4 to 5.5MPa(30	00gpm) then torque con	ning up(<21kNm) around	4,485mBRT
					(Ream un) Obs	bserve pressure and	torque increase depth	always changed below 4,48	85mBRT. m) after pass 4 485mB	RT (drag 50kN)	
					Decide to stop coring	g at 4,493.5mBRT ar	nd POOH due to severe	hole condition as same as	LWD hole		
7:45	10:15	2:30		4,493.5	POOH 10-5/8" RCB asse	mbly from 4,493.5ml	BRT to 3,783mBRT (11	1m above seabed).			
	10.00	2.40	- OOIAL		Meanwhile: (10:20-1	1:00) Move Vessel to	o next Deep coring loca	tion C0024F			
					Find Core existing in	side inner barrel(rec	overy: 2.39m)				
13:00	18:30	5:30	OTHER		Prepare for next deep co	ring operation in C00	24F.				
					Remove internal DG	R. Change 4x rollers	on internal DGR and g	irease up.			
					Change elevators. S	s antenna in the derr	ick, system function Or d CMC.	<u></u>			
					Install internal DGR.	Circulate the string v	olume at 350gpm, 2.11	MPa while installing internal	DGR.		
18:30	19:15	0:45			RIH 10-5/8" RCB assemb Break circulation Dr	oly from 3,783mBRT	to 3,863mBRT. use with 250gpm SPP	increase 0.8→1.2MPs after	23min		
					Take parameters: 10	00/200/300/400/500/6	600/700/800gpm x 0.7/	0.8/2.0/3.6/5.6/7.8/10.3/13.6	MPa.		
19:15	21:15	2:00	W&R	3,887.0	Spud in C0024F hole. Wa	ash down from 3,868	mBRT to 3,887mBRT.	3 887mBDT			
21:15	24:00	2:45	DRL	3,928.0	Drill 10-5/8" RCB coring h	hole from 3,887mBR	T to 3,928mBRT	1,5,007111DK1.			
					Pick up string 5m off	bottom every 5m pro	ogress.				
			••••••		(3,887 - 3,900mBRT	) WOB: 0-20kN, HPS	nection. S:10rpm x 0-3.0kNm, S	PP: 200gpm x 0.7MPa, Avg	ROP 19.5m/hr.		
					(3,900 - 3,910mBRT	) WOB: 0-20kN, HPS	S:20rpm x 0-3.0kNm, S	PP: 300gpm x 2.0MPa, Avg	ROP 16.2m/hr.		
		•••••			(3,900 - 3,928mBRT	) WOB: 0-30kN, HPS	5:30rpm x 0-3.0kNm, S	PP: 350gpm x 2.7MPa, Avg	ROP 15.6m/hr.		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
					<vessel status=""> (00:</vessel>	:00 - 16:00) Advisory	status due to GPS ant	enna broken(1/4ea) by lighti	ng, replace to new ante	enna, function OK	
					(14:1 <0ffline> Lay out 9-	10 - 20:30) Advisory s -3/8" casing 15its 1 a	status due to Port side	Aux generator maintenance	, 20:30 back to green		
							ying our speed. I starte				
Ti	ime Breakdo	own (00:00 - Hrs	06:00 on	19-Mar	) * The data on 00:00 - 06:0	00 is unofficial.		Dotail of Operation			
0:00	6:00	6:00	DRL	4,024.0	Continue to drill 10-5/8" F	RCB coring hole from	3,928mBRT to 4,024n	BRT			
					Pick up string 5m off	f bottom every 5m pro	ogress until 100mbsf				
					Service DGR while of	connection by NuStar	engineer (DP no conta	act w/RGR because of low r	om, current <0.8knot)		
					(3,928 - 3,941mBRT	) WOB: 0-30kN, HPS	6:30rpm x 0-6.0kNm, S	PP: 350gpm x 2.7MPa, Avg	ROP 16m/hr.		
					(3,941 - 4,024mBR1	) WOB: 0-30KN, HPS	5:40rpm x 0-7.0kinm, S	PP: 350gpm x 2.8-3.1MPa,	Avg ROP 17m/nr.		
					<offline> (0:00-6:00</offline>	)) Lay out 9-3/8" casi	ng 18jts(on derrick: 55	stands). Laying out speed: 1	l stand/hr		
Bit Record (	@24:00	L	<u> </u>	L	L						
Bit S	Size M	FR T	ype IA	NDC S/	/No. Nozzles Depth (	(mBRT) Meter-	Hrs. WOB (kN)	rpm Total Rev.	ROP (m/br) Inner Outer I		
15 10	-5/8" Ba	aker BH	C405	- 716	61556 5 x 18/32 3,872.0	4,493.5 621.5	24.92 10 45	0 65 121.42	24.9 Cuter L		O.D. RP
RR15a 10- BHA Record	-5/8" Ba	aker BH	C405	- 716	61556 5 x 18/32 3,868.0	3,928.0 60.0	3.76 0 50	0 30 3.1	16.0	Hook Wt. (knt) @24:00	3.928.0 mBRT
36	Deep core	10-5/8" PD0	Bit x Bit sub	w/o Stabilize	er x CLOCB x Landing Sub x Top sub	b x Head Sub x 8-1/2" Coring	DC (9jts) x 8-1/2" Coring jar x 8	-1/2" Coring DC (3jts) x XO#1 x 5.68" H	IWDP (3stds)	Hook Load	2,730
	}	x 5-1/2" DP	3130 (70std)	л х л∪#2 x 6-	יסיס דיידע (22sta) x 6-5/8" DP UD	6017				Below HWDP	- 280
Mud Proper	ties @24.00	1								below Jar HPS & Traveling block	175
Mud Type	Time	Depth	MW VIS	PV YV	6rpm Gel St. API Cake	e pH Pf Cl- Sa	nd Oil Solid MBC	emp K+ n K	LGS	Hook + RRT	-
Sweep	10:30	(mBRT) Act #4	1.36 50	19 14	(10", 10') Sake	11.5	In 19	Out 0.66 0.55	0 min 5min	Hook block Coring Jar Rotating time 2	- 4:00 S/N:156578-85001
P						+ $+$ $+$ $+$				Today 2.53 To	tal 65.75 hrs
Mud Pun	nps : 14-P-2	220: 24:00	5.00	gallon/stroke	e @97% Personnel @24:00	Mud Materia	als on Board @24:00hrs	(unit: kg)		Cutting skip @24:00 Empty	Full Total
No. Line	r Size S	PM G	PM Pr	ess. Anr 1Pa) (m	n. Vel. CDEX	8 Item 100 Barite (Bulle)	Received	Used Stock	]	2 ROV @24:00	1 3
1	6" 5	53 2	65	5"DF	2 5.5"DP MWJ	15 Caustic Sod	a	1,050		Status	-
2 3	6" { 6" {	53 2	70 13 65	3.6 45	50 Scientist MQJ (Other)	19Lime1Soda Ash		200		Last Dive Injection Skid	
Geologic Ir	nformation (	@24:00	ithology	outtings	Telnite	1 Caustic Pota	ash	1,075	Heli Inform	ation @24:00	Desserver
From	10		_mology of	cuungs	SLB LWD	4 Tel-Polymer 0 XCD-Polymer	er	1,200	⊢lt. No.	Arrived Departed	Passenger Are. Dept.

											SLD LWD	
											SLB Seismic	;
											SLB WL	
											SLB Cemen	ting
Shale Sha	iker / C	entrifu	ge @	24:00							AFGlobal	
No.1			No.4				#1-#3	3 Centi	rifuge		Nustar	
No.2			No.5			running time				Franks		
No.3			No.6								NOV	
Materials	Stock c	on Boa	rd @2	4:00		_		_			INPEX (Train	nee)
	tem		Unit	Sto	ock	Us	sed	Rece	eived		Science Med	lia
Fresh Wa	ter		m3	2	274.0		72.7		48.4			
Potable W	/ater		m3	2	240.0		5.0		0.0			
Drill Wate	r		m3	g	923.4	40.3			47.7			
Fuel			m3	1,6	678.8	.8 45		0.0			Total	
Lube, Oil			Ltrs	41	,900,I	1,2	200.0	0.0			Mud volume@24:0	
Heli Fuel			Ltrs		0.0	0.0		0.0			Mud Volume (	
Cement "O	GWC"		ton	1	60.0		0.0		0.0		Sweep mud (1.	34-1.39
Cement "(	3"		ton		30.0		0.0		0.0	Fracseal(1.39sg,11p		
											Fracseal(1.39s	g,18ppl
Boat Infor	mation	@24:0	00			-					Fracseal(1.25s	g,30ppl
Boot N	200		Sta	tue		Т	ime @	)Chiky	′u		Baroli	ft
Dual N	ame		Sia	เนร		Dep	arted	Arri	ved		STOPLOSS	6(1.37)
#8 Meiji-	maru		Chi	kyu								
Shincho-maru			Shingu			03:00						
											total	
Weather I	nforma	tion	-				-					
Time	Weather		Temp. (degC		)	Baro	Barometer			Wind		
Time	**66	weattier		vir S		W	(hPa)		Speed (m/s)		Dir. (deg)	Gu
24:00	t	oc	12	.0	16	6.0	102	2.2	6	.4	151	1

0		ACD-Polymer				1,200
0		Lignate NC				0
0		Clean Lube W				0
0		Tel Clean W				0
0		Astex-S				0
3		Deformer 30C				0
2		Tell DD				0
0		Bi-Carbonate				0
2		Citric Acid				400
2		Tan Cal C / M / F				0/0/0
		Telnite GXL				0
		Treat-HS				0
		Mud Seal P				0
157		Tel Plug C / M / F				0/0/0
		Tel Stop P / G				0 / 0
3)		Barolift	(lbs)			1,890
667		Driscal D				0
192		Tel Flow P				0
141		Poro Seal				0
109		Steel Seal 50	(lbs)			0
19		KCI				0
47		NaCl				0
		Fracseal	(lbs)			0
	l	Stopseal	(lbs)			0
1175	l	Bentonate(Bulk)				46,000
	0 0 0 3 2 0 2 2 2 2 157 3) 667 192 141 109 19 47 47	0 0 0 0 3 2 2 0 2 2 2 157 157	0 Lignate NC   0 Clean Lube W   0 Tel Clean W   0 Astex-S   3 Deformer 30C   2 Tell DD   0 Bi-Carbonate   2 Citric Acid   2 Tan Cal C / M / F   Telnite GXL Treat-HS   Mud Seal P 157   157 Tel Stop P / G   Barolift 667   0 Steel Seal 50   109 Steel Seal 50   47 NaCl   Fracseal Stopseal   1175 Bentonate(Bulk)	O     ACD/P bij/hei       0     Lignate NC       0     Clean Lube W       0     Astex-S       3     Deformer 30C       2     Tell DD       0     Bi-Carbonate       2     Citric Acid       2     Tan Cal C / M / F       Telnite GXL     Treat-HS       Mud Seal P     157       157     Tel Plug C / M / F       Barolift     (lbs)       667     Driscal D       192     Tel Flow P       141     Poro Seal       109     Steel Seal 50       19     KCl       47     NaCl       Fracseal     (lbs)       Stopseal     (lbs)       Stopseal     (lbs)	0     Lignate NC       0     Clean Lube W       0     Tel Clean W       0     Astex-S       3     Deformer 30C       2     Tell DD       0     Bi-Carbonate       2     Citric Acid       2     Tan Cal C / M / F       1     Tan Cal C / M / F       1     Telnite GXL       1     Treat-HS       Mud Seal P     1       157     Tel Stop P / G       157     Tel Stop P / G       157     Tel Stop P / G       159     Barolift       192     Tel Flow P       141     Poro Seal       109     Steel Seal 50       109     KCl       47     NaCl       Fracseal     (lbs)       Stopseal     (lbs)       Stopseal     (lbs)	0     Lignate NC       0     Lignate NC       0     Clean Lube W       0     Tel Clean W       0     Astex-S       3     Deformer 30C       2     Tel DD       0     Bi-Carbonate       2     Citric Acid       2     Tan Cal C / M / F       1     Tel Acid       2     Tel N/ F       1     Tel Stap P / G       157     Tel Stop P / G       157     Tel Stop P / G       157     Tel Stop P / G       159     Barolift<(lbs)

	,	vea	Departed	AIC.	Dept			
1								
2								
3								
4								
Safety (H	HSE) and	d other in	formation					
Incident			Last	No. LTA				
			Incident					
LTA								
HUNS c	ards		22	No. LTA				
	-							
Remarks	nformatio	on @24·0	00					
Remarks Marine I	nformation	on @24:0	0		0.4			
Remarks Marine I Heave (r Pitch (de	nformatio m)	on @24:0	0		0.4			
Marine I Heave (r Pitch (de	s nformatio m) ≥g)	on @24:0	10		0.4 0.3 0.1			
Marine II Heave (r Pitch (de Roll (deg Vessel F	nformatio m) eg) g)	on @24:0	10		0.4 0.3 0.1 180			
Remarks Marine II Heave (r Pitch (de Roll (de Vessel H Riser Te	nformatio m) eg) Heading (ki	on @24:0	10		0.4 0.3 0.1 180			
Marine II Heave (I Pitch (de Roll (deç Vessel H Riser Te V.D. Loa	nformatio m) eg) Heading ( Insion (kl ad (ton)	on @24:0 (deg) N)	10		0.4 0.3 0.1 180 - 1993			
Marine II Heave (I Pitch (de Roll (deg Vessel H Riser Te V.D. Loa Max Dra	nformation m) eg) Heading ( Insion (kl ad (ton) ught (m)	on @24:0 (deg) N)	0		0.4 0.3 0.1 180 - 1993 9.0			

weather III	ormation												
Time	Weather	Temp.	(degC)	Barometer	Wind			Wave			Current		Visibility
TIME	Weather	Air	SW	(hPa)	Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Speed(knt)	Dir. (deg)	(km)
24:00	bc	12.0	16.0	1022.2	6.4	151	7.0	1.0	30	5.8	0.8	336	22.0
Today's Sc	hedule:	Continue to	Drill down	to 790mbsf.	Cut RCB core	e.							