

Site Name: C0024 Hole Name: C0024D Lat: 33° 02' 02.6379"N Long: 136° 47' 23.9464"E Seabed Depth: 3,872.0 mBRT RT-MSL: 28.5 m Report Date: 13/Mar/2019  
 Depth: @24:00 3,933.5 mBRT 61.5 mbsf Progress: 61.5 m Drilling/Coring/Underreaming Hrs.: 0.00 hrs Last BOP PT: - Next BOP PT: -  
 Depth: @06:00 3,952.5 mBRT 80.5 mbsf LAST CASING: x mbsf Last BOP FT: - Next BOP FT: -  
 Summary of Operation on 12-Mar: Cut core #1-#9 from 3,872.0mBRT to 3,933.5mBRT.  
 Present Operation @ 06:00 on 13-Mar: Continue to run sinker bar and retrieve #9 core barrel. Cut core #10-#11 from 3,933.5mBRT to 3,952.5mBRT.  
 mBRT: meter below rotary table mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	0:30	0:30	OTHER	3,872.0	Continue to cleaning Akema wiper
0:30	1:00	0:30	OTHER	3,872.0	Check pressure: 300/400/500/600/700/800gpm x 1.6/2.7/4.2/5.9/7.8/10.0MPa
1:00	3:45	2:45	CORE	3,872.0	Cut #1 core (C0024B-1H, HPCS) from 3,872mBRT Load sinker bar and run HPCS/APCT-3 inner barrel. (Take survey 5min for APCT-3 at seabed) Pump 200gpm and shoot HPCS/APCT-3 with 17.6MPa at 3.5m off seabed (Take survey 10min for APCT-3) Pick up by coreline with 70kN overpull, but no success. Recover HPCS inner barrel with DW assist. (7.14m / 6.0m 119% recovered)
3:45	4:00	0:15	CORE	3,878.0	Wash down from 3,872 to 3,878mBRT (0.0 - 6.0mbsf, 6.0m) WOB: 0 - 10kN, Pump: 150gpm x 0.6MPa Meanwhile, run HPCS #2 inner barrel.
4:00	5:30	1:30	CORE	3,878.0	Cut #2 core (C0024C-1H, HPCS) from 3,878mBRT Continue to run HPCS inner barrel and pump 150gpm (Take survey 5min for APCT-3 at seabed) Attempt to shoot HPCS at 0.5m off bottom, but partial penetration with 200gpm x 22MPa remaining pressure and bleed off pressure. (Take survey 10min for APCT-3) Recover HPCS inner barrel with DW assist, pick up from 3,877.5mBRT to 3,870mBRT (1.37m / 1.0m 137% recovered)
5:30	6:00	0:30	CORE	3,879.0	Wash down from 3,878 to 3,879mBRT (6.0 - 7.0mbsf, 1.0m) WOB: 0 - 20kN, Pump: 300gpm x 1.5MPa Meanwhile, run HPCS #3 inner barrel.
6:00	7:30	1:30	CORE	3,879.0	Cut #3 core (C0024D-1H, HPCS) from 3,879mBRT Continue to run HPCS inner barrel and pump 150gpm Attempt to shoot HPCS at bottom, but partial penetration with 200gpm x 19MPa remaining pressure and bleed off pressure. Recover HPCS inner barrel with DW assist, pick up from 3,879mBRT to 3,872mBRT (4.98m / 4.5m 111% recovered)
7:30	8:00	0:30	CORE	3,883.5	Wash and drill down from 3,879 to 3,883.5mBRT (7.0 - 11.5mbsf, 4.5m) (From 3,879mBRT to 3,880mBRT) WOB: 0 - 40kN, Pump: 300gpm x 2.5MPa (From 3,880mBRT to 3,883.5mBRT) WOB: 0 - 5kN, Pump: 300gpm x 2.5MPa, HPS:10rpm x 0-4kNm Meanwhile, run HPCS #4 inner barrel.
8:00	9:30	1:30	CORE	3,883.5	Cut #4 core (C0024D-2H, HPCS) from 3,883.5mBRT Continue to run HPCS inner barrel and pump 150gpm (Take survey 5min for APCT-3 at seabed) Pump 200gpm and shoot HPCS at 0.5m off bottom, full penetration with 16.6MPa. Wait for 10mins for APCT-3 measurement. Recover HPCS inner barrel with DW assist, pick up from 3,883mBRT to 3,876mBRT w/overpull 260kN(DP) and 70kN(CLW) (9.68m / 9.0m 108% recovered)
9:30	10:00	0:30	CORE	3,892.5	Drill down from 3,883.5 to 3,892.5mBRT (11.5 - 20.5mbsf, 9m) WOB:0kN, Pump:300gpm x 2.5MPa, HPS:10rpm x 0-2kNm Meanwhile, run HPCS #5 inner barrel.
10:00	11:00	1:00	CORE	3,892.5	Cut #5 core (C0024D-3H, HPCS) from 3,892.5mBRT Continue to run HPCS inner barrel and pump 150gpm Pump 200gpm and shoot HPCS at bottom, full penetration with 18.2MPa Recover HPCS inner barrel with DW assist, pick up from 3,892.5mBRT to 3,884mBRT w/overpull 330kN(DP) and 70kN(CLW) (9.67m / 9.5m 102% recovered) Drill down from 3,892.5 to 3,896.1mBRT (20.5 - 24.1mbsf, 3.6m)
11:00	12:45	1:45	OTHER(N)	3,896.1	Troubleshoot iron roughneck Observe over torque <130kNm on main well iron roughneck while unload sinker bar. Make up connection using by HPS w/back up tong. Investigation ongoing
12:45	13:00	0:15	CORE	3,902.0	Drill down from 3,896.1 to 3,902.0mBRT (24.1 - 30.0mbsf, 5.9m) WOB:0-5kN, Pump:500gpm x 3.0MPa, HPS:10rpm x 0-4kNm, Pump 5m sweep
13:00	16:00	3:00	CORE	3,902.0	Cut #6 core (C0024D-4H, HPCS) from 3,902.0mBRT Run HPCS inner barrel with pumping at 150gpm. Take survey 5min for APCT-3 at seabed. Pump 200gpm and shoot HPCS at bottom, partial penetration with 18.3MPa. Wait for 10mins for APCT-3 measurement. Recover HPCS inner barrel with DW assist, pick up from 3,901.5mBRT to 3,894mBRT w/overpull 360kN(DP) and 70kN(CLW) (9.94m / 6.0m 165.7% recovered) Unload sinker bar. Find damage on coreline wire end(AFT), switch from AFT to FWD winch
16:00	16:15	0:15	CORE	3,908.0	Drill down from 3,902.0 to 3,908.0mBRT (30.0 - 36.0mbsf, 6.0m) WOB:0-20kN, Pump:500gpm x 4.4MPa, HPS:10-20rpm x 0-4kNm
16:15	19:30	3:15	CORE	3,917.5	Cut #7 core (C0024D-5T, EPCS) from 3,908.0mBRT to 3,917.5mBRT Drop #7 EPCS inner barrel (Core catcher: Flapper). Chase inner barrel w/ 250gpm x 0.8MPa. Land inner barrel (0.8-5.5MPa). Cut #7 EPCS core w/WOB:0-20kN, Pump:200gpm x 4.0MPa, HPS:50rpm x 0-8kNm. Set auto driller at 50m/hr. (17:00 - 18:00) Unable to load sinker bar through Akema wiper due to excessive grease on the wiper. Clean up Akema wiper. RIH sinker bar at 150m/min. Land sinker bar (SO weight 42-34kN). Pick up sinker bar and confirm increase line tension 43-47kN. Recover to surface at 130m/min (4.25m / 9.5m 44.7% recovered). Unload sinker bar
19:30	22:45	3:15	CORE	3,927.0	Cut #8 core (C0024D-6X, ESCS) from 3,917.5mBRT to 3,927.0mBRT Drop #8 ESCS inner barrel (Core catcher: Combo, soft spring). Chase inner barrel w/ 250gpm x 0.8MPa. Landing inner barrel (0.8-5.0MPa, 17min) Cut #8 ESCS core w/WOB:10-30kN, Pump:200gpm x 3.2MPa, HPS:50rpm x 0-5kNm. (w/Manual mode) RIH sinker bar at 160m/min. Land sinker bar (SO weight 43-36kN). Pick up sinker bar and confirm increase in line tension 43-46kN. Recover to surface at 140m/min (Recovery 9.7m / Advance 9.5m, 102.1% recovered). Unload sinker bar
22:45	24:00	1:15	CORE	3,933.5	Cut #9 EPCS core (C0024D-7T, EPCS) from 3,927.0mBRT to 3,933.5mBRT Drop #9 EPCS inner barrel (Core catcher: Flapper). Chase inner barrel w/ 250gpm x 0.9MPa. Land inner barrel (0.9-5.2MPa, 17min) Cut #9 EPCS core w/WOB:10-40kN, Pump:200gpm x 3.4MPa, HPS:50rpm x 0-6kNm. (w/Manual mode) RIH sinker bar at 150m/min from surface to 1,700mBRT. Ongoing

Time Breakdown (00:00 - 06:00 on 13-Mar) \* The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:30	2:30	CORE	3,933.5	Continue to run sinker bar and retrieve core barrel RIH sinker bar at 150m/min. Land sinker bar (SO weight 42-37kN). Pick up sinker bar and confirm increase line tension 42-47kN. Recover to surface at 120m/min (Recovery 2.6m / Advance 6.5m, 40.0% recovered). Unload sinker bar and pump sweep 5m3 w/500gpm x 2.6-4.3MPa then DP connection
2:30	4:45	2:15	CORE	3,943.0	Cut #10 core (C0024D-8X, ESCS) from 3,933.5mBRT to 3,943.0mBRT Drop #10 ESCS inner barrel (Core catcher: Combo, soft spring). Chase inner barrel w/ 250gpm x 0.8MPa. Landing inner barrel (0.8-4.9MPa, 17.5min) Cut #10 ESCS core w/WOB:10-40kN, Pump:200gpm x 3.2MPa, HPS:50rpm x 0-6kNm (w/Manual mode) RIH sinker bar at 145m/min. Land sinker bar (SO weight 43-38kN). Pick up sinker bar and confirm increase line tension 43-47kN. Recover to surface at 140m/min (Recovery 6.1m / Advance 9.5m, 64.2% recovered)
4:45	6:00	1:15	CORE	3,952.5	Cut #11 core (C0024D-9X, ESCS) from 3,943.0mBRT to 3,952.5mBRT (w/o unload sinker bar) Drop #11 ESCS inner barrel (Core catcher: Combo, soft spring). Chase inner barrel w/ 250gpm x 0.8MPa. Landing inner barrel (0.8-4.9MPa, 18min) Cut #11 ESCS core w/WOB:15-45kN, Pump:200gpm x 3.3MPa, HPS:50-55rpm x 0-6.5kNm. (w/Manual mode) RIH sinker bar at 160m/min, ongoing

<Offline> Investigation for iron roughneck cassette A in main well. Ongoing  
 Termination coreline wire end(AFT) at core tech, ongoing

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	Total Rev. (krev)	ROP (m/hr)	Dull Condition
14	10-5/8"	AAI	SC513	M223	A2253-5-01	5 x 17/32	3,872.0 - 3,933.5	61.5	2.13	0 - 40	7.80	28.9	

BHA Record @24:00  
 35 Shallow core: 10-5/8" PDC Bit x Bit sub w/o Stabilizer x SBCCB x Landing Sub x Top sub x Head Sub x 8-1/2" Coring DC (12ts) x XO

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St (10, 10')	API	Cake	pH	Pl	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FIT 20/40 (mm)
Sweep	10:00	Act#4	1.36	50	21	17		4	11		12.0							18			0.63	0.73		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"	12	60	0.8	5.5 DP 5.5 DP
2	6"	0	0		
3	6"	0	0		5

Geologic Information @24:00		Lithology of cuttings	
From	To		

Shale Shaker / Centrifuge @24:00		#1-#3 Centrifuge running time	
No.1	No.4		
No.2	No.5		
No.3	No.6		

Materials Stock on Board @24:00				
Item	Unit	Stock	Used	Received
Fresh Water	m3	306.7	80.3	74.6
Potable Water	m3	266.5	3.7	0.0
Drill Water	m3	899.8	11.1	74.4
Fuel	m3	1,959.1	47.4	0.0
Lube Oil	Ltrs	44,800	500.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	160.0	0.0	0.0
Cement "G"	ton	30.0	0.0	0.0

Personnel @24:00	
CDEX	8
MQJ Crew	101
MWJ	15
Scientist	19
MQJ (Other)	1
Telnite	1
Geoservices	4
SLB LWD	2
SLB Seismic	0
SLB WL	0
SLB Cementing	0
AFGlobal	0
Nustar	3
Franks	2
NOV	0
INPEX (Trainee)	2
Science Media	2

Mud Materials on Board @24:00hrs (unit: kg)			
Item	Received	Used	Stock
Barite (Bulk)			185,000
Caustic Soda			1,050
Lime			200
Soda Ash			575
Caustic Potash			1,075
Tel-Polymer DX / L / H			2240 / 0 / 0
XCD-Polymer			1,200
Lignite NC			4,500
Clean Lube W			8,000
Tel Clean W			4,600
Astex-S			4,400
Deformer 30C			480
Tell DD			3,200
Bi-Carbonate			300
Citric Acid			1,900
Tan Cal C / M / F			210 / 1,020 / 510
Telnite GXL			504
Treat-HS			6,940
Mud Seal P			130
Tel Plug C / M / F			500 / 500 / 500
Tel Stop P / G			500 / 260
Barolift (lbs)			1,890
Driscoll D			0
Tel Flow P			0
Poro Seal			0
Steel Seal 50 (lbs)			1,000
KCI			0
NaCl			0
Fracseal (lbs)			0
Stopseal (lbs)			0
Bentonate(Bulk)			46,000

Mud Volume @24:00	
Mud Volume (m3)	
Sweep mud (1.34-1.39)	867
Fracseal(1.39g,11ppb)	192
Fracseal(1.39g,18ppb)	141
Fracseal(1.25g,30ppb)	109
Barolift	30
STOPLOSS(1.37)	47
total	1386

Boat Information @24:00		
Boat Name	Status	Time @Chikyu
#8 Meiji-maru	CHIKYU	Departed
Shincho-maru	CHIKYU	Arrived

Weather Information							
Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
24:00	bc	14.0	1012.0	9.4	295	10.2	1.7
				Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)
						Period (s)	Speed(knt)
							Dir. (deg)
							(km)

Today's Schedule: Continue to Cut core.  
 Reported by: A.Suzuki / N. Sakurai  
 Approved by: T. Saruhashi

Hook Wt. (knt) @24:00	
Hook Load	3,900.0 mBRT
BHA	2,800
Below HWDP	230
below Jar	-
HPS & Traveling block	620
Hook + RRT	-
Hook block	-

Jar Rotating time 24(S/N):	
Today	Total
	hrs

Cutting skip @24:00	
Empty	Full
2	1
Total	3

ROV @24:00	
Status	-
Last Dive	-
Injection Skid	-

Heli Information @24:00		
Fit.	Time	Passenger
No.	Arrived	Departed
1	09:25	09:35
		Are.
		7
		8

Safety (HSE) and other information	
Incident	Last Incident
LTA	No. LTA
HUNS cards	29
Remarks	

Marine Information @24:00	
Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	240
Riser Tension (kN)	-
V.D. Load (ton)	12336
Max Draught (m)	9.0
Thruster (kW)	955