

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01Exp. No. :405

Report No. :67

Site NameJTCT-01AHole NameC0019L

Lat.37°56.3588'NLong.143°54.8188'ESeabed Depth :6,905.0mBRT

RT-MSL :28.5 mReport Date :12/Nov/2024

Depth : @24:00mBRTmbsf

Progress :m

Drilling/Coring/Underreaming Hrs. :0.00hrs

Depth : @06:00mBRTmbsf

LAST CASING :x

mbsf(mBRT)

Summary of Operation on11-Nov:Continue to POOH, Move to C0019D hole. Set DPS. MU&Run HPCS assembly.

Present Operation @ 06:00 on12-Nov:Continue to Run HPCS assembly.

Time Breakdown (00:00 - 24:00 on11-Nov)

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	5:15	5:15	TRIP		Continue to POOH to 4,560.0mBRT. Meanwhile, Retrieve drain hose from Mud bucket at above seabed. Check condition of service loops.
5:15	6:15	1:00	RR		Replace 750ston hydraulic elevator with another one due to door malfunction.
6:15	15:45	9:30	TRIP		Resume to POOH to surface. [10-5/8"Bit]: Lost cutters: 5 (These losts are cutters for cutting core) *Decide to replace the core bit for considering ESCS. Plug nozzle: 4 of 5 nozzles. Gauge: I Check landing sleeve, float valve and bit seal condition: Observe no damage on these items.
					(13:20-14:00) Retrieve Internal DGR roller type and check ID: 9inch (Same as before). (14:54-15:45) Move vessel to 50m (120deg) offset from C0019D hole.
15:45	16:15	0:30	MOVE		Move vessel to 50m (120deg) offset from C0019D hole. Meanwhile, Rig service (grease up HPS, Travelling block, Dolly, CMC, Hydraracker)
16:15	17:45	1:30	DPS		Set DPS. (17:40) Turn on Green status. Meanwhile, Rig service (grease up HPS, Travelling block, Dolly, CMC, Hydraracker) Prepare used bit and make up same with bit sub at coretech workshop. Used bit (S/N: 202369) Dull: 2-3-WT-S-X-1-BT(12)-TD
17:45	24:00	6:15	TRIP		MU and Run HPCS assembly to 1,733.0mBRT, ongoing. Make up Bit x Bit sub and Outer core barrel. Paint Bit and Outer core barrel with Yellow and mark every 1m with Black from bit. Mark single line at 50m and double line at 100m from bit. Install DGR internal roller (Roller type: ID 9in) at first stand of 5" DP V-150 Fill up every 15stds. (19:30-20:15) Install Internal DGR roller type. (20:15-20:30) Install Long slip lifter. Meanwhile, Conduct maintainance of replaced 750ston hydraulic elevator Transfer mechanic workshop and observe a thread of door cylinder is sheared. Replace the cylinder assembly, ongoing.
From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	TRIP		Continue to run HPCS assembly to 5,100.0mBRT, on going. Fill up every 15stds. Break circulation at 3,010.0mBRT: Circulate single string volume w/500gpm x 4.0MPa Meanwhile, Pre-dive check UWTV/ OK. While pre-dive check, observe malfunction of UWTV winch: fixed. Continue maintainance of replaced 750ston hydraulic elevator, on going.

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
5	10.625	AAI	SC513	-	201099	5 x 17	6,957.0	6,963.5	6.5															
RR5a	10.625	AAI	SC513	-	201099	5 x 17	6,957.0	6,973.0	16.0	0.47	0	30	0	40	0.80	34.0								
RR5b	10.625	AAI	SC513	-	201099	5 x 17	6,957.0	7,049.0	92.0	3.58	0	50	0	30	3.27	25.7	5	2	LT(5)	C	X	I	PN(4), BT(1)	TD
6	10.625	AAI	SC513	-	202369	5 x 17																		

BHA Record @24:00

7	HPCS	10-5/8"Core bit x Long Bit sub x Seal bore 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) x 5-1/2"DP S-140 (22stds) x XO#3 x 5-1/2"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 6-5/8"DP UD-165
8	HPCS	10-5/8"Core bit x Long Bit sub x Seal bore 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) x 5-1/2"DP S-140 (22stds) x XO#3 x 5-1/2"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 (9stds) 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	5min

Mud Pumps : 14-P-2205.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"				6"DC 5"DP
2	6"				0
4	6"				0

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	350.6	62.0	90.7
Potable Water	m3	279.0	3.0	0.0
Drill Water	m3	770.0	3.0	0.0
Fuel	m3	4,152.4	41.5	0.0
Lube, Oil	Ltrs	114,200	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Weather Information

Time	Weather	Temp. (degC)		Barometer (hPa)	Wind			Wave			Current		Visibility (km)
		Air	SW		Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Speed(knt)	Dir. (deg)	
24:00	bc	18.0	22.9	1013.7	10.0	3	12.8	2.6	150	6.4	0.4	41	22.0

Today's Schedule: Continue to Run HPCS assembly, Dive UWTV, seabed survey.

Personnel @24:00

MarE3	6
MQJ Crew	100
MWJ	19
Scientist	28
JAMSTEC PR	1

Mud Materials on Board @24:00hrs (unit: kg)

Item	Received	Used	Stock
Barite			100,000
Tel-Gel			118,000
Caustic soda			5,025
Lime			5,200
Flowzan			25

Mud volume

PHG (m3)	280
Kill mud (m3)	46
SWG (m3)	135
Pre-Mix (m3)	60

Marine Information @24:00

Heave (m)	0.7
Pitch (deg)	0.4
Roll (deg)	0.1
Vessel Heading (deg)	355
Riser Tension (kN)	-
V.D. Load (ton)	12493
Max Draught (m)	9.0
Thruster (kW)	710

Heli Information @24:00

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

Boat Information @24:00

Akatsuki (Supply boat)	Status	Chikyu
Ibuki (Guard boat)	Status	Chikyu

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	46	

Remarks

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

Daily	
Cumulative	

Reported by : T.Yokoyama, Y.Oishi

Approved by : T.Saruhashi