

Chikyu DAILY MORNING REPORT

Mission No. : CK24-01

Exp. No. : 405

Report No. : 20

Site Name	JTCT-02A	Hole Name	C0026A	Lat.	37°55.6020'N	Long.	143°04.1280'E	Seabed Depth :	6,957.0	mBRT	RT-MSL :	28.5	m	Report Date :	26/Sep/2024
Depth : @24:00	7,239.0	mBRT	282.0	mbsf	Progress :	282.0	m	Drilling/Coring/Underreaming Hrs. :	13.50	hrs					
Depth : @06:00	7,271.0	mBRT	314.0	mbsf	LAST CASING :		x	mbsf(		mBRT)					
Summary of Operation on 25-Sep :										Spud 8-1/2"LWD hole (C0026A) and wash down to 7,047.0mBRT. Recover UWTV. Drill to 7,239mBRT.					
Present Operation @ 06:00 on 26-Sep :										Continue to 8-1/2"LWD hole (C0026A) to 7,271.0mBRT.					
mBRT: meter below rotary table															

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	6:30	6:30	W&R	7,047.0	Spud 8-1/2"LWD hole (C0026A) and Wash down 6,957.0 - 7,047.0mBRT (0.0 - 90.0mbsf). (00:19) Spud 8-1/2"LWD hole (C0026A) WOB 0-30kN, MP 550gpm x 18.2-18.8MPa. ROP 30m/hr. Reciprocate string 3m every 3m advance from 6,967.0mBRT (10.0mbsf).

					MWD data		
					mBRT	inclination (deg.)	azimuth (deg.)
6:30	9:30	3:00	UWTV	7,047.0	7,004.0	0.2	265.73
9:30	10:30	1:00	OTHER	7,047.0	7,039.8	0.3	305.16
					7080	0.1	268.76
					7115.0	0.1	355.66

10:30	24:00	13:30	DRL	7,239.0	Drill 8-1/2"LWD hole (C0026A) to 7,239.0mBRT (282.0mbsf). Sweep 7m3 of SWG every stand. From 7,231m, Torque becomes high and ROP decreases.
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Depth, mBRT		Depth, mbsf		WOB, kN	rpm	Torque	Pump, gpm	Pressure, MPa	ROP set, m/hr	Remarks
From	To	From	To							
6,957.0	7,099.0	0.0	142.0	0-20	55	0.9-3.8	550	17.6 - 18.2	30	
7,099.0	7,137.0	142.0	180.0	0-20	60	1.0-3.3	550	17.6 - 18.3	30	
7,137.0	7,182.0	180.0	225.0	0-40	60	0.9-3.1	550	17.6 - 18.2	36	Increase ROP set to maximum for Resistivity image.
7,182.0	7,220.0	225.0	263.0	0-40	60	0.9-3.3	550	17.6 - 18.2	30	Decrease ROP set because actual ROP more than 36m/hr.
7,220.0	7,233.0	263.0	276.0	0-80	60	0.9-13.2	550	17.6 - 18.8	30	ROP decreases due to uncontrolled WOB by high Heaving.
										Increase WOB and reset WOB zero point while off bottom.
7,233.0	7,239.0	276.0	282.0	0-80	60	0.9-14.7	550	17.4 - 19.9	25~15	Decrease ROP set for reducing stick slip risk.

Wind		Gust		Wave		Current	
Time	Dir.	m/s	m/s	m	sec.	knot	dir.
02:00	80	9.7	11.7	2	6.9	1.9	58
04:00	70	10.3	12.3	1.9	7	1.9	57
06:00	106	15.0	16.0	2	6.5	1.9	58
08:00	106	13.6	16.6	3.1	6.5	1.9	59
10:00	94	13.8	15.0	3	6.6	1.7	59
12:00	92	14.5	17.0	3.3	6.8	1.7	60
14:00	83	14.2	15.7	3.4	7	1.5	60
16:00	87	14.0	15.9	3.2	6.6	1.3	56
18:00	88	14.0	15.0	3.3	6.6	1.3	54
20:00	82	14.4	14.6	3.5	6.6	1.3	46
22:00	95	13.5	14.0	3.2	7	1.3	36
24:00	111	10.2	11.9	3.7	7.2	1.5	32

Time Breakdown (00:00 - 06:00 on 26-Sep) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	DRL	7,271.0	Continue to drill 8-1/2"LWD hole (C0026A) to 7,271mBRT (314.0mbsf). Sweep 7m3 of SWG every stand.

Depth, mBRT		Depth, mbsf		WOB, kN	rpm	Torque	Pump, gpm	Pressure, MPa	ROP set, m/hr	Remarks
From	To	From	To							
7,239.0	7,242.5	282.0	285.5	0-40	60	1.0-14.0	549	17.6 - 18.6	10	Decrease ROP and increase rpm for reducing stick slips.
7,242.5	7,245.5	285.5	288.5	0-40	65	0.7-14.2	550	17.8 - 18.7	10	Survey fails due to signal failure by high heave motion.
7,245.5	7,257.5	288.5	300.5	0-40	70	0.7-12.9	550	17.3 - 18.5	8	Decrease ROP and increase rpm for reducing stick slips.
										Shift RGR to 0.75m offset due to ship heading change.
7,257.5	7,271.0	300.5	314.0	20-60	75	1.0-11.6	550	17.6 - 18.3	8	Increase rpm for reducing stick slips.

Wind		Gust		Wave		Current	
Time	Dir.	m/s	m/s	m	sec.	knot	dir.
02:00	127	12.7	15.7	3.8	7.5	1.6	44
04:00	95	13.7	14.9	3.4	7.5	1.5	56
06:00	91	9.2	9.6	3.7	7.7	1.5	55

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				
2	8.5	Smith	BXZ716M	-	QG1124	7 x 12	6,957.0	7,239.0	282.0	13.68	0	80	0	60	153.62	20.6												

BHA Record @24:00

4	8-1/2"LWD	8-1/2" Bit x 6-1/2" Mud motor x MicroScope x TeleScope x SonicScope x 6-3/4" drilling DC(1jt) x Float sub w/float x Filter sub x 6-3/4" drilling DC(3stds) x 6-1/2"H-M Jar x 6-3/4" drilling DC(1std) x XO#1 x 5" DP V-150 (24stds) 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(26stds) x XO#4 x 5-1/2" DP UD-165 (30stds) x XO#5 x 6-5/8" DP Z-140 (7stds) x 6-
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Hook Wt. (knt) @24:00 7,239.0 mBRT

Hook Load	3,770
BHA	190
Below Jar	140
HPS & Traveling block	680
CSG/TBG	

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%					
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	55	275	19.9	6"DC 5"DP
2	6"	55	275		
3	6"				

Materials Stock on Board @24:00				
Item	Unit	Stock	Used	Received
Fresh Water	m3	328.8	59.9	68.0
Potable Water	m3	289.0	1.5	0.0
Drill Water	m3	1,593.0	9.0	0.0
Fuel	m3	6,199.4	46.2	0.0
Lube, Oil	Ltrs	129,400	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Personnel @24:00

MarE3	4
MQJ Crew	97
MWJ	11
Scientist	26
LSS	3
Outreach	4
JAMSTEC	
Sub-contractor	
WL	
SLB-LWD	4
Expro	
NuStar	3
Total	152

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

Item	Received	Used	Stock
Barite			76,000
Tel-Gel			208,000
Caustic soda			9,025
Lime			8,960
Flowzan			25

Mud volume	
PHG (m3)	287
Kill mud (m3)	60
SWG (m3)	93
Pre-Mix (m3)	60

Marine Information @24:00

Heave (m)	1.0
Pitch (deg)	0.5
Roll (deg)	0.2
Vessel Heading (deg)	120
Riser Tension (kN)	-
V.D. Load (ton)	15069
Max Draught (m)	9.0
Thruster (kW)	2000

Heli Information @24:00

Flt. No.	Time		Passenger	
	Arrived	Departed	Are.	Dept.
1	09:54	10:07	14	14
2	14:07	14:15	1	2

Boat Information @24:00

Akatsuki (Supply boat)	Status	Sail to Shiogama port
Ibuki (Guard boat)	Status	Standby at Chikyu

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	23	

Remarks

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

Daily	
Cumulative	
Reported by : T. Miyoshi, T.Yokoyama	
Approved by : I. Sawada	

Today's Schedule: Continue to drill 8-1/2"LWD hole to 7,437.0mBRT (480.0mbsf).