Chikyu DAILY MORNING REPORT

Mission No. : CK24-01 **Exp. No. :** 405 **Report No. :** 24

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 :** 30/Sep/2024

Depth : @24:00 7,405.0 mBRT 448.0 mbsf Progress : 0.0 m Drilling/Coring/Underreaming Hrs. : 0.00 hrs

Depth : @06:00 7,405.0 mBRT 448.0 mbsf LAST CASING : x mbsf(mBRT)

Summary of Operation on 29-Sep : Continue to Work pipe, Run Free point indicator -

Present Operation @ 06:00 on 30-Sep : Continue to run Free point indicator

Time Breakdown (00:00 - 24:00 on 29-Sep) mBRT: meter below rotary table mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	10:00	10:00	SP	7,405.0	Continue to Work pipe
					(0:00-6:00)
					Apply 1250kN overpull and attempt to jarring up >12times w/400gpm x 11.8MPa, No success.
10:00	18:00	8:00	SP	7,405.0	Rig up Wireline
					Install 3ea x Wireline sheave at derrick and drill floor.
					Prepare Free point indicator.
					Set up WL unit and software.
					Meanwhile
					(10:00-16:00) Continue to circulate w/400gpm x 11.5MPa
					(16:00-18:00) After stop pump for WL preparation, restart the pump and observe pressure increase w/250gpm x 16MPa. Continue to circulate w/200gpm x 12MPa
18:00	24:00	6:00	SP	7,405.0	Run Free point indicator
					(20:15-20:45) Conduct Free point measurement check at 1,000mBRT, confirm tool function good
					(20:45-23:00) Run Free point indicator.
					(23:00-24:00) Conduct Free point measurement, ongoing

Time Breakdown (00:00 - 06:00 on 30-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	SP	7,405.0	Continue to run Free point indicator
					(0:00-2:30) Conduct Free point measurement
					Confirm no stuck point until 7,321.36mBRT (2nd DC joint above filter sub).
					(2:30-5:30) Wind up Free point indicator.
					(5:30-6:00) Prepare for Dummy run by coreline, ongoing.

Bit Record @24:00

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT) From	Depth (mBRT) To	Meter-age	Hrs.	WOB (kN) Min.	WOB (kN) Max.	rpm Min.	rpm Max.	Total Rev. (krev)	ROP (m/hr)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2	8.5	Smith	BXZ716M	-	QG1124	7 x 12	7,340.0	7,405.0	65.0	54.14														

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 6-5/8" DP UD-165

Hook Wt. (knt) @24:00 7,379.0 mBRT

Hook Load	3,880
BHA	190
Below Jar	140
HPS & Traveling block	680
CSG/TBG	

Jar Rotating Time @24:00 S/N: 474-69575

Today	0.00	Total	81.83	hrs

Motor Pumping time @24:00 S/N: 624094

Today	0.00	Total	29.53	hrs

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	FIT 20/40 (mm) 5min

Mud Pumps : 14-P-220 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) 6"DC	Ann. Vel. (m/min) 5"DP
1	6"	40	200	11.5	151	95
2	6"	40	200			
4	6"					

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	313.1	54.8	38.4
Potable Water	m3	279.5	2.5	0.0
Drill Water	m3	1,580.0	0.0	0.0
Fuel	m3	6,017.2	41.4	0.0
Lube, Oil	Ltrs	129,400	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Personnel @24:00

MarE3	8
MQJ Crew	97
MWJ	11
Scientist	25
LSS	3
Outreach	4
JAMSTEC PR	1
Akita University	1
Sub-contractor	
WL	3
SLB-LWD	4
Expro	
NuStar	3
Total	160

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)	219
Kill mud (m3)	50
SWG (m3)	116
Pre-Mix (m3)	49

Marine Information @24:00

Heave (m)	0.7
Pitch (deg)	0.6
Roll (deg)	0.2
Vessel Heading (deg)	035
Riser Tension (kN)	-
V.D. Load (ton)	14727
Max Draught (m)	9.0
Thruster (kW)	350

Heli Information @24:00

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	09:45	09:55	4	0
2				

Boat Information @24:00

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

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	32	

Remarks

(13:15) Emergency drill for ship security and abandon ship

Weather Information

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	Wind Speed (m/s)	Wind Dir. (deg)	Wind Gust (m/s)	Wave Height (m)	Wave Dir. (deg)	Wave Period (s)	Current Speed(knt)	Current Dir. (deg)	Visibility (km)
24:00	c	21.0	26.3	1021.7	8.1	28	9.4	3.1	20	7.6	0.4	5	22.0

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

Daily	
Cumulative	

Reported by : N. Sakurai, T. Miyoshi.

Approved by : I. Sawada

Today's Schedule: Dummy run for Severing by coreline, Conduct Severing, POOH