

Chikyu DAILY MORNING REPORT

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

Report No.: 29

Site NameJTCT-01AHole NameC0019JLat.37°56.3307'NLong.143°54.7845'ESeabed Depth : 6,927.5 mBRT RT-MSL : 28.5 mReport Date : 5/Oct/2024

Depth : @24:00mBRTmbsfProgress : 0.0 mDrilling/Coring/Underreaming Hrs. : 0.00 hrs

Depth : @06:00mBRTmbsfLAST CASING : xmbsf(mBRT)

Summary of Operationon4-OctContinue to run 8-1/2" SD-RCB assembly, Run UWTV.

Present Operation @ 06:00on5-OctSeabed Survey, Wash down

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	18:00	18:00	TRIP		Continue to run 8-1/2" SD-RCB assembly to 6,832.0mBRT Fill up every 10 stds. Meanwhile (1:30) Start drifting to well center with 0.3knot for reducing VIV. (9:45) Pre-dive check UWTV/ OK. (15:00) Vessel arrive 1NM upstream from wellcenter
18:00	18:30	0:30	OTHER		Conduct break circulation at 6,832.0mBRT Pump one string volume with 500gpm x 8.4MPa Check pressure: 100/150/200/250/300/350/400/450/500/550/600gpm x 0.7/0.9/1.6/2.4/3.4/4.5/5.5/6.9/8.4/10.0/11.8MPa. Meanwhile, run UWTV Open RGR door by using Moonpool tugger Skid Working Cart to well center
18:30	19:30	1:00	CORE		Drop Center bit at 6,832.0mBRT Chase pumping w/200gpm x 1.3MPa and confirm center bit landed by increasing pressure (1.3MPa to 2.6MPa: 32.5min). Check pressure: 100/150/200/250/300/350/400/450/500/550/600gpm x 0.9/1.5/2.6/3.6/4.7/5.8/8.2/10.4/12.5/15.0/17.5MPa. Meanwhile, run UWTV Install UWTV along drill string.
19:30	0:00	4:30	OTHER		Run UWTV to 6,819.5mBRT (8m above 8-1/2"SD-RCB bit depth). Lower UWTV to 100mMSL with applying white paint mark on 50m and 100m and install UWTV cable to Guide sheeve on moonpool cart. Power on UWTV and check function for camera and sonar at 100mMSL. Power off and Close RGR door by using Moonpool tugger at 100mMSL Meanwhile, Vessel drifting to wellcenter (JFAST observatory C0019D) w/0.3knot Install drain hose to Mud bucket

Time Breakdown (00:00 - 06:00 on 5-Oct) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	2:30	2:30	OTHER	6,927.5	Seabed Survey and move vessel to C0019J. Lower and tag seabed at 6,927.5.0mBRT Confirm the C0019D 20m away x 345 degree by UWTV sonar Move vessel 20m away x 345 degree and confirm the C0019D by UWTV camera. Move vessel 5m away x 14 degree and position UWTV almost same as C0019D. Move vessel 29m away x 301.6 degree and wait pipe swinging for 30min. Lower and tag seabed at 6,927.5.0mBRT (same as previous seabed survey at C0019J).
2:30	6:00	3:30	W&R	6,983.0	Wash down to 6,983mBRT (0.0 ~ 55.5mbsf). Reciprocate 5m every 5m wash down (1st reciprocation starts from 15mbsf). 6,927.5 - 6952.5mBRT (0.0 - 25.0mbsf) Pump 200gpm x 2.6-2.8MPa, WOB 0-10kN. 6,952.5 - 6,974.5mBRT (25.0 - 47.0mbsf) Pump 300gpm x 4.8-0-5.5MPa, WOB 0-25kN. 6,974.5 - 6,980.0mBRT (47.0 - 52.5mbsf) Pump 350gpm x 6.5-7.4MPa, WOB 0-25kN. 6,980.0 - 6,983.0mBRT (52.5 - 55.5mbsf) Pump 450gpm x 9.9-11.5MPa, WOB 0-30kN. (6:00) Decide to start drilling from 6,983.0mBRT and start wind up UWTV.

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		
3	8.5	NOV	CJPC713-A1	-	F312253	7 x 16																				

BHA 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)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP					
5	8.5	NOV	CJPC713-A1	-	F312253	7 x 16																				

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-220 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"				6"DC 5"DP
1	6"	60	300	17.5	151 95
2	6"	60	300		

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	254.0	61.0	40.0
Potable Water	m3	265.0	2.5	0.0
Drill Water	m3	1,570.0	10.0	0.0
Fuel	m3	5,752.0	42.2	0.0
Lube, Oil	Ltrs	127,200	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	26.5	28.0	1018.7	13.4	190	15.0	2.2	200	5.6	0.8	52	22.0

Today's Schedule: Wind up UWTV, Drilling to 7010mBRT, Coring.

Personnel @24:00

Name	Count
MarE3	8
MQJ Crew	97
MWJ	19
Scientist	25
LSS	3
Outreach	4
JAMSTEC PR	1
Sub-contractor	
WL	3