Chikyu DAILY MORNING REPORT

Mission No. : CK24-01 **Exp. No. :** 405 **Report No. :** 90

Site Name JTCT-01A Hole Name C0019Q Lat (UWTV). Long.(UWTV) Seabed Depth : mBRT RT-MSL : 28.5 m **Report Date :** 5/Dec/2024

Lat (Ship). Long.(Ship)

Depth : @24:00 mBRT mbsf Progress : m Drilling/Coring/Underreaming Hrs. : 0.00 hrs

Depth : @06:00 mBRT mbsf LAST CASING : x mbsf(mBRT)

Summary of Operation on 4-Dec : MU and Run 13-3/8"CSG & 20"Wellhead and jetting ass'y. Retrieve transponders at JTCT-02A.

Present Operation @ 06:00 on 5-Dec : Continue to MU and Run 13-3/8"CSG & 20"Wellhead and jetting ass'y.

Time Breakdown (00:00 - 24:00 on 4-Dec)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	3:45	3:45	CSG		Continue to prepare for MU and Run 13-3/8"CSG & 20"Wellhead and jetting ass'y.
					(00:00-01:30) MU HART for handling x 8-1/2" coring DC 6 m pony
					(01:30-03:45) MU DAT (Lock Dart Installed) x 6-3/4" coring DC 6 m pony
3:45	10:15	6:30	RS		Slip & Cut Drilling line
					Observe noise from DW brake and adjust the pad position. Not observe the noise.
10:15	16:30	6:15	CSG		Prepare for MU and Run 13-3/8"CSG & 20"Wellhead and jetting ass'y.
					(10:15-13:15) MU Bit, Motor, Filter sub, Float sub w/Float valve, and Spacer sub.
					Motor thrust:2mm gap (PU 40mm, SO 38mm.) Connect 1std of 6-5/8"DP UD-165.
					Conduct mud motor function test w/ 100 / 150 / 200 / 250 / 300gpm x 1.0 / 1.0 / 1.3 / 1.7 / 2.2MPa: OK
					Stand back 1std of 6-5/8"DP UD-165 and lay down Motor ass'y on RTS.
					(13:15-14:45) Clean mud bucket and install Unlock Dart w/rupture disk for DAT on mud bucket
					(14:45-16:30) Rig up manual CSG tongues, side door elevator, and manual slip.
					Meanwhile,
					(00:00 - 00:20) Sail to JTCT-02A site to recover transponder.
					(04:45) Send release signal to No.6 Transponder.
					Observe the position of transponder in APRS monitor from 1,500-3,000mMSL. Find No.6 transponder on sea surface and recover it by KAIYU at 7:00.
					(06:55) Send release signal to No.9 Transponder.
					Observe the position of transponder in APRS monitor from 1,500-3,000mMSL. Find No.9 transponder on sea surface and recover it by KAIYU at 9:12.
					(09:13) Send release signal to No.7 Transponder.
					Observe the position of transponder in APRS monitor from 1,500-3,000mMSL. Find No.7 transponder on sea surface and recover it by KAIYU at 11:30.
					(11:32) Send release signal to No.8 Transponder.
					Observe the position of transponder in APRS monitor from ±1,500mMSL. Find No.8 transponder on sea surface and recover it by KAIYU at 13:48.
					(13:45 - 15:39) Sail to JTCT-01A site.
					Conduct Function test of Power tong and torque monitarings sytem by Expro, OK.
16:30	24:00	7:30	CSG		MU and Run 13-3/8"CSG & 20"Wellhead and jetting ass'y.
					(16:30-21:00)Run 13-3/8"Jetting shoe x 13-3/8"CSG P/J x 13-3/8" intermediate CSG 2jts x 13-3/8"CSG P/J(13-3/8"CSG: L80, 68.0ppf, NS-T).
					Install 2ea of anti-rotation keys on each connection.
					While picking up casing, set safety clamp just below welding point on box side. because welding point is larger than pipe body, and elevator can't pass it.
					(21:00-24:00)Pick up 20"Wellhead housing x casing swage with HART x 8-1/2" coring DC pony.
					Engage HART to Wellhead housing on RTS, and lock HART with hydraulic pump.
					Prepare belt tong to connect casing swage and 13-3/8"casing, on going.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	CSG		Continue to MU and Run 13-3/8"CSG & 20"Wellhead and jetting ass'y.
					(00:00-00:45) Continue to prepare belt tong and connect casing swage and 13-3/8"casing.
					(00:45-02:00) Remove master bushing and install wellhead clamp to 20" wellhead housing. Remove inner and outer ring.
					(02:00-03:00) Lower down and land wellhead clamp on support plate at working cart. Release HART with pressurized by hand pump.
					Lay down HART for handling x 8-1/2" coring DC 6 m pony.
					(03:00-05:45) Pick up Bit, Motor, Filter sub, Float sub w/Float valve, and Spacer sub. Tight up SLB tools from 37kN to 47kN.
					MU all inner strings with DAT (Lock Dart Installed) x 6-3/4" coring DC 6 m pony.
					Connect XO and 1std of 6-5/8" UD-165 DP.
					(05:45-06:00) Lower down DAT into wellhead housing and pressurize inside DP to lock DAT, 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
9	8.5	Smith	BXZ716M	-	QG1123	7 x 12																		

BHA Record @24:00

12	Jetting Inner Ass'y	8-1/2"Bit x 6-1/2"Motor w/o sleeve stab. x Filter sub x Float Sub w/Float x Spacer sub x 6-3/4"drilling DC (4 jts) x Spacer sub x DAT x 6-3/4"coring DC 6 m pony x 6-3/4"Coring Collar (4 stds) x XO#1 x 5"DP V-150 (23 stds) x XO#2 x 5" DP S-140 (66 stds) x 5-1/2"DP S-140 (22 stds) x XO#3 x 5-1/2"DP S150 (27 stds) x XO#4 x 5-1/2"DP UD-165 (30 stds) x XO#5 x 6-5/8"DP Z-140 (7 stds) x 6-5/8"DP UD-165
	13-3/8"CSG	13-3/8"Jetting shoe x 13-3/8"CSG PJ x 13-3/8"CSG R-3(2jts) x 13-3/8"CSG PJ x CSG Swage (13-3/8" x 20") x 20"Wellhead housing

Hook Wt. (knt) @24:00 31.0 mBRT

Hook Load	700
BHA	
Below Jar	
HPS & Traveling block	660
CSG/TBG	40

Jar Rotating Time @24:00 S/N:

Today Total hrs

Motor Pumping time @24:00 S/N:

Today Total 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) DC	Ann. Vel. (m/min) 5"DP
1	6"					
2	6"				0	0
4	6"					

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	221.7	59.1	77.4
Potable Water	m3	209.0	3.0	0.0
Drill Water	m3	714.8	0.0	0.0
Fuel	m3	3,158.8	42.7	0.0
Lube, Oil	Ltrs	100,200	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Personnel @24:00

MarE3	8
MQJ Crew	99
MWJ	20
Scientist	27
JAMSTEC PR	1
Outreach officer	3
Grapher	2
INPEX trainee	2
Sub-contractor	
WL	
Expro	6
NuStar	3
GE	
Total	171

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

Item	Received	Used	Stock
Barite			100,000
Tel-Gel			118,000
Caustic soda			4,425
Lime			4,520
Flowzan			25

Mud volume

PHG (m3)	196
Kill mud (m3)	44
SWG(m3) 85se	
SWG(m3) 58se	106
Pre-Mix (m3)	57

Marine Information @24:00

Heave (m)	0.5
Pitch (deg)	0.2
Roll (deg)	0.2
Vessel Heading (deg)	330
Riser Tension (kN)	-
V.D. Load (ton)	11328
Max Draught (m)	9.0
Thruster (kW)	1000

Heli Information @24:00

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	09:36	09:48	9	9
2				

Boat Information @24:00

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

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	29	

Remarks

00:30 General Safety Meeting (English)

07:15, 13:00 General Safety Meeting (Japanese)

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	o	12.5	21.5	1008.8	7.3	356	9.2	2.8	0	6.4	1.0	258	22.0

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

Daily	
Cumulative	

Reported by : Y.Oishi / T. Miyoshi

Approved by : T.Saruhashi

Today's Schedule: Continue to MU and Run 13-3/8" CSG & 20" Wellhead and jetting ass'y.