

Chikyu DAILY MORNING REPORT

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

Report No. :70

Site NameJTCT-01AHole NameC0019MLat.37°56.3417'NLong.143°54.8167'ESeabed Depth :6,905.0 mBRTRT-MSL :28.5 mReport Date :15/Nov/2024

Depth : @24:007,019.5 mBRT114.5 mbsfProgress :9.0 mDrilling/Coring/Underreaming Hrs. :5.75 hrs

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

Summary of Operation on14-Nov :Cut HPCS core #14, POOH, remove external DGR.

Present Operation @ 06:00 on15-Nov :Rig service

Time Breakdown (00:00 - 24:00 on14-Nov)

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:30	1:30	CORE	7,010.0	Continue to recover inner barrel (C0019M-13X, Core recovery 4.90m/9.5m 51.6%).
1:30	2:30	1:00	CORE	7,010.0	Drop #14 ESCS core(C0019M-14X) inner barrel. Drop inner barrel and confirm inner barrel landing by increasing pressure from 2.2 to 6.6MPa w/275gpm 34min after dropping. Bottom up with 500gpm x 19.5MPa
2:30	5:45	3:15	CORE	7,019.5	Cut #14 ESCS core(C0019M-14X) 7,010.0 - 7,019.5mBRT (105.0 - 114.5mbsf). MP 450gpm x 15.5-16.3MPa, HPS 80rpm x 0.0-7.0kNm, WOB 0-40kN, Auto ROP 40m/hr Load and run sinker bar. Recover inner barrel (Core recovery 2.46m/9.5m 25.9%). Unload sinker bar
5:45	23:00	17:15	TRIP	7,019.5	POOH to surface. Retrieve drain hose from Mud bucket and check condition of service loops at above seabed. Retrieve DGR internal roller (Roller type) at first stand of 5" DP V-150 Roller ID: 9in, same as before. Meanwhile, Conduct space out SD-RCB inner barrel at auxiliary well, on going. Inner barrel B: 3mm up from tag point. Inner barrel C: 3mm up from tag point. Space out for Inner barrel A, center bit and Deplugger will be done after POOH. [10-5/8"Bit]: Cutters condition: Same as before run(WT and BT(12)). Plug nozzle: Nothing. Gauge: -1/16"(Same as before run).
23:00	24:00	1:00	OTHER		Remove external DGR by crane.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	RS		Rig service Cut 447.2m of damaged Aft coreline on working cart. Meanwhile, Conduct space out SD-RCB inner barrel at auxiliary well. Inner barrel A: 3mm up from tag point. Deplugger: 45mm out from bit surface, confirm latch properly when deplugger pushed up Center bit: Center bit locate on bit surface w/o WOB, confirm latch properly when center bit pushed up. Maintainance and replace DGR bearing, 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
6	10.625	AAI	SC513	-	202369	5 x 17	6,905.0	6,911.5	6.5	-	-	-	-	-	-	-	2	3	WT	S	X	1	BT(12)	TD
RR6a	10.625	AAI	SC513	-	202369	5 x 17	6,905.0	7,010.0	105.0	4.75	0	80	0	90	8.52	22.1								

BHA Record @24:00

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 (13stds) 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	FIT 20/40 (mm) 5 min

Mud Pumps : 14-P-220

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"			16.3	DC 5"DP
2	6"				
4	6"	90	450		126 71

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	330.0	56.2	88.4
Potable Water	m3	266.6	3.4	0.0
Drill Water	m3	891.0	0.7	0.0
Fuel	m3	3,987.9	42.1	0.0
Lube, Oil	Ltrs	111,500	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	13.0	1021.5	11.8	18	13.2	1.9	170	5.1	0.3	256	22.0

Today's Schedule: Continue to rig service, drilling line Cut

Personnel @24:00

MarE3	7
MQJ Crew	100
MWJ	19
Scientist	29
JAMSTEC PR	1
JAMSTEC Executive	1
MQJ Executive	1
Sub-contractor	
OCC	
WL	
Expro	
NuStar	3
GE	
Total	161

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)	127
Pre-Mix (m3)	60

Marine Information @24:00

Heave (m)	0.5
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	015
Riser Tension (kN)	-
V.D. Load (ton)	12487
Max Draught (m)	9.0
Thruster (kW)	600

Heli Information @24:00

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

Boat Information @24:00

	Status	
Akatsuki (Supply boat)		Chikyu
Ibuki (Guard boat)		Sail to Shioyama port for refill @15:00

HSQE and other information

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

Remarks

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

Daily	
Cumulative	

Reported by : T.Yokoyama, Y.Oishi

Approved by : T.Saruhashi