

Chikyu DAILY MORNING REPORT

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

Report No. :81

Site NameJTCT-01AHole NameC0019P

Lat (UWTV).37°56.3294'NLong.(UWTV)143°54.7792'ESeabed Depth :6,920.0 mBRTRT-MSL :28.5 m

Report Date :26/Nov/2024

Lat (Ship).37°56.3476'NLong.(Ship)143°54.7894'E

*Well position (UWTV) will be revised after re-check at re-entry.

Depth : @24:007,478.5 mBRT558.5 mbsf

Progress :508.5 m

Drilling/Coring/Underreaming Hrs. :18.00 hrs

Depth : @06:007,631.0 mBRT711.0 mbsf

LAST CASING :x mbsf(mBRT)

Summary of Operation on25-Nov

Continue to recover UWTV, Drill down.

Present Operation @ 06:00 on26-Nov

Continue to drill down.

Time Breakdown (00:00 - 24:00 on25-Nov)

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	UWTV	6,970.0	Continue to recover UWTV to surface. Set RGR position at 0.4m offset and close RGR door w/installing retainer plate Meanwhile: Reciprocate string w/100gpm x 0.9MPa
6:00	24:00	18:00	DRL	7,478.5	Drill down 8-1/2"hole from 6,970.0mBRT to 7,478.5mBRT (50.0-558.5mbsf). Sweep out 5m3 SWG every stand. Depth (mBRT (mbsf))MP (gpm x MPa)Torque (rpm x kNm)WOB (kN)Auto ROP (m/hr) 6,970.0 - 6,983.0 (50.0 - 63.0)400 x 6.5-7.420 x 0.1-3.70-3025 6,983.0 - 7,006.0 (63.0 - 86.0)400 x 6.2-7.730 x 0.1-4.70-4026 7,006.0 - 7,021.0 (86.0 - 101.0)400 x 6.5-7.630 x 0.1-3.90-4031 7,021.0 - 7,025.0 (101.0 - 105.0)400 x 6.4-8.140 x 0.1-5.90-4016 7,025.0 - 7,059.0 (105.0 - 139.0)400 x 6.4-8.340 x 0.1-5.30-4031 7,059.0 - 7,078.0 (139.0 - 158.0)400 x 6.6-7.750 x 0.1-7.40-4032 7,078.0 - 7,097.0 (158.0 - 177.0)400 x 7.2-8.360 x 0.1-7.00-3048 7,097.0 - 7,135.0 (177.0 - 215.0)400 x 6.6-8.860 x 0.1-9.80-4040 7,135.0 - 7,141.0 (215.0 - 221.0)400 x 7.4-8.660 x 0.1-9.50-4040 7,141.0 - 7,173.5 (221.0 - 253.5)500 x 10.7-11.470 x 0.1-7.40-4049 7,173.5 - 7,180.0 (253.5 - 260.0)500 x 10.9-12.070 x 0.1-8.60-4039 7,180.0 - 7,190.5 (260.0 - 270.5)500 x 10.6-11.580 x 0.1-10.40-4035 7,190.5 - 7,201.5 (270.5 - 281.5)500 x 10.7-11.990 x 0.1-13.50-4053 7,201.5 - 7,211.5 (221.0 - 253.5)500 x 11.7-12.290 x 0.1-9.80-5050 7,211.5 - 7,249.5 (291.5 - 329.5)500 x 11.2-12.390 x 0.1-9.010-6055-59 At 7,242.0mBRT, attempt to set Auto ROP 59m/hr but immediately increase pressure from 11.2 to 12.2MPa, then back to 55m/hr. 7,249.5 - 7,287.5 (329.5 - 367.5)500 x 11.1-11.990 x 0.1-8.910-9043 7,287.5 - 7,325.5 (367.5 - 405.5)500 x 11.0-11.790 x 0.1-11.110-8050 7,325.5 - 7,364.0 (405.5 - 444.0)500 x 11.3-12.290 x 0.1-9.710-6053 7,364.0 - 7,402.0 (444.0 - 482.0)500 x 11.2-12.090 x 1.2-9.420-9056 7,402.0 - 7,440.0 (482.0 - 520.0)500 x 11.1-11.990 x 11.2-12.720-9047 7,440.0 - 7,478.5 (520.0 - 558.5)500 x 10.2-11.290 x 1.5-11.010-6058

Meanwhile:
Conduct 4-1/2in TBG thread cleaning, ongoing
Conduct Space out for SD-RCB assembly @Auxiliry well
Center bit: Center bit locate on bit surface w/o WOB, confirm latch properly when center bit pushed up.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	DRL	6,970.0	Drill down 8-1/2"hole from 7,478.5mBRT to 7,631.0mBRT (558.5-711.0mbsf). Sweep out 5m3 SWG every stand. Depth (mBRT (mbsf))MP (gpm x MPa)Torque (rpm x kNm)WOB (kN)Auto ROP (m/hr) 7,478.5 - 7,517.0 (558.5 - 597.0)500 x 10.2-10.990 x 0.2-9.210-5061 7,517.0 - 7,554.5 (597.0 - 634.5)500 x 10.2-11.790 x 0.2-9.310-8054 7,554.5 - 7,564.0 (634.5 - 644.0)500 x 11.0-12.290 x 0.1-11.310-9041 *WOB and CMC increased and ROP decreased (Suspect to Borehole Break out) 7,564.0 - 7,576.5 (644.0 - 656.5)500 x 11.3-11.590 x 0.2-8.20-6029 7,576.5 - 7,593.0 (656.5 - 673.0)500 x 11.3-11.790 x 0.2-8.20-8037 7,593.0 - 7,631.0 (673.0 - 711.0)500 x 11.1-11.490 x 0.3-9.00-9039

Meanwhile:
Conduct 4-1/2in TBG thread cleaning, ongoing
Conduct Space out for SD-RCB assembly @Auxiliry well
Deplugger: 45mm out from bit surface, confirm latch properly when deplugger pushed up
Inner Barrel A : 3.2mm

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		
8	8.5	Smith	XZ813	-	QG1126	7 x 11	6,920.0	7,478.5	558.5	16.50	0	90	25	90	50.39	33.8										

BHA Record @24:00

10	8-1/2" Bit	8-1/2" Bit x Float sub w/float x XO#1 x 6-3/4" drilling DC(5stds) x XO#2 x 5"DP V-150 (23stds) x XO#3 x 5"DP S-140 (66stds) x 5-1/2"DP S-140 (22stds) x XO#4 x 5-1/2"DP S-150 (27stds) x XO#5 x 5-1/2"DP UD-165 (30stds) x XO#6 x 6-5/8"DP Z-140 (7stds) 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	5 min

Mud Pumps : 14-P-2205.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	50	250	12.3	DC 5"DP
2	6"				140
4	6"	50	250		79

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	278.1	75.0	88.2
Potable Water	m3	235.8	4.4	0.0
Drill Water	m3	661.0	0.0	0.0
Fuel	m3	3,562.3	41.7	0.0
Lube, Oil	Ltrs	107,100	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Personnel @24:00

MarE3	7
MQJ Crew	101
MWJ	18
Scientist	27
Outreach officer	2
Grapher	2
INPEX trainee	2
Sub-contractor	
OCC	
WL	
Expro	
NuStar	3
GE	
Total	162

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

Item	Received	Used	Stock
Barite			100,000
Tel-Gel			118,000
Caustic soda			4,775
Lime			4,960
Flowzan			25

Mud volume

PHG (m3)	276
Kill mud (m3)	46
SWG(m3) 92se	58
SWG(m3) 58se	91
Pre-Mix (m3)	0

Marine Information @24:00

Heave (m)	0.6
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	350
Riser Tension (kN)	-
V.D. Load (ton)	11764
Max Draught (m)	9.0
Thruster (kW)	1000

Heli Information @24:00

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

Boat Information @24:00

Akatsuki (Supply boat)	Status	On the way to Chikyu
Ibuki (Guard boat)	Status	Stanby at Chikyu

HSQE and other information

Incident	Last Incident	No. LTI
LTI	11/14/19	
HUNS cards	37	

Remarks

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

Daily	
Cumulative	

Reported by : T. Ikawa / N. Sakurai / T. Miyoshi

Approved by : I.Sawada

Today's Schedule: Continue to drill down