

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01Exp. No. :405Report No. :1

Site Name

Hole Name

Lat.

Long.

Seabed Depth :

mBRT

RT-MSL :

28.5 m

Report Date :

7/Sep/2024

Depth : @24:00

mBRT

mbsf

Progress : 0.0 m

Drilling/Coring/Underreaming Hrs. : 0.00 hrs

Depth : @06:00

mBRT

mbsf

LAST CASING : x mbsf(mBRT)

Summary of Operation

on

6-Sep

:

Standby at Shimizu port. Sail to C0019 site.

Present Operation @ 06:00

on

7-Sep

:

Sail to C0019 site.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 6-Sep)

Detail of Operation

From

To

Hrs

Code

Depth(mBRT)

Standby at Shimizu port

0:00

10:00

10:00

OTHER

Find error on IMS Lodestar hardware of #2 APRS, investigation ongoing (DP status will be still in Green status)

10:00

24:00

14:00

MOVE

Sail to C0019 site.
Lat: 37°56.3224'N, Long: 143°54.8004'E
ETA@ 03:00 on 8th September.

Meanwhile,

Measure the sensor rope length and drift run rope and install sensors on rope for JFAST observatory

Perform pressure test for DAT w/300psi x 5min, 3,000psi x 10min: OK.

Conduct function test for HART x 2ea: Confirm unlock and lock function properly.

Install DGR camera unit on diverter housing.

Conduct mixing, ongoing

Time Breakdown (00:00 - 06:00 on 7-Sep)

* The data on 00:00 - 06:00 is unofficial.

Detail of Operation

From

To

Hrs.

Code

Depth(mBRT)

Continue to sail to C0019 site.

0:00

6:00

6:00

MOVE

Meanwhile,

MU Reengaging tool with 8-1/2in Coring DC 6m pup joint and lay out same to middle pipe rack deck

MU two of 6-3/4in drilling Jar with upper and lower Flex joint and lay out same to middle pipe rack deck

Conduct function check of Smartband tool, ongoing

Conduct mixing, ongoing

Present ETA@ 22:00 on 7th September.

Bit Record @24:00

Bit No.

Size (in)

MFR

Type

IADC Code

S/No.

Nozzles

Depth (mBRT)

From

To

Meter-age

Hrs.

WOB (kN)

Min.

Max.

rpm

Min.

Max.

Total Rev. (krev)

ROP (m/hr)

Inner

Outer

Dull

Loc.

B

G

O.D.

RP

BHA Record @24:00

Hook Wt. (knt) @24:00

0.0

mBRT

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

MB

Temp

In

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"

0

6"DC 5"DP

2

6"

0

3

6"

0

Materials Stock on Board @24:00

Item

Unit

Stock

Used

Received

Fresh Water

m3

341.4

51.5

45.9

Potable Water

m3

353.6

13.3

135.0

Drill Water

m3

1,830.0

171.0

0.0

Fuel

m3

7,110.3

70.7

0.0

Lube, Oil

Ltrs

138,800

0.0

0.0

Heli Fuel

Ltrs

0.0

0.0

0.0

Personnel @24:00

MarE3

6

MQJ Crew

100

MWJ

8

Scientist

27

LSS

2

Outreach

JAMSTEC

Sub-contractor

SLB-WL

SLB-LWD

4

Expro

NuStar

3

Sonardyne

1

Total

151

Mud Materials on Board @24:00hrs

(unit: kg)

Item

Received

Used

Stock

Barite

124,000

24,000

100,000

Tel-Gel

254,000

36,000

218,000

Caustic soda

9,925

50

9,875

Lime

9,800

0

9,800

Flowzan

125

100

25

Mud volume

PHG (m3)

300

Kill mud (m3)

60

SWG (m3)

0

Pre-Mix (m3)

0

Marine Information @24:00

Heave (m)

0.4

Pitch (deg)

0.2

Roll (deg)

0.2

Vessel Heading (deg)

053

Riser Tension (kN)

-

V.D. Load (ton)

16012

Max Draught (m)

8.9

Thruster (kW)

14600

Heli Information @24:00

Flt. No.

Arrived

Time

Departed

Passenger

Are.

Dept.

1

-

-

-

-

2

-

-

-

-

Boat Information @24:00

Akatsuki (Supply boat)

Status

Ibuki (Guard boat)

Status

HSQE and other information

Incident

Last Incident

No. LTI

LTI

11/14/19

HUNS cards

26

Weather Information

Time

Weather

Temp. (degC)

Barometer

Wind

Wave

Current

Visibility

Air

SW

(hPa)

Speed (m/s)

Dir. (deg)

Gust (m/s)

Height (m)

Dir. (deg)

Period (s)

Speed(knt)

Dir. (deg)

(km)

24:00

bc

27.5

28.1

1013.5

8.6

217

9.4

1.6

90

8.7

2.2

66

22.0

Today's Schedule: Sail to C0019 site.