Chikyu DAILY MORNING REPORT

Mission No. : CK18-04 **Exp. No. :** Exp 358 **Report No. :** 4

Site Name C9034 **Hole Name** C9034D **Lat.** 34"16.8006 N **Long.** 138"32.9003E Seabed Depth : 1,697.0 mBRT RT-MSL : 28.3 m **Report Date :** 11/Oct/2018

Depth : @24:00 1,697.0 mBRT 0.0 mbsf Progress : 0.0 m Drilling/Coring/Underreaming Hrs. : 0.00 hrs

Depth : @06:00 1,747.0 mBRT 50.0 mbsf LAST CASING : x mbsf(mBRT) Last BOP Test: Next BOP Test:

Summary of Operation on 10-Oct : Preparation for EXP358 at Shimizu port. Sail to coring test site. MU&Run coring BHA. Dive ROV.

Present Operation @ 06:00 on 11-Oct : Cont. Run 8-1/2"SD-RCB. Tag seabed. Wash and drill down to 1,747mBRT.

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

Time Breakdown (00:00 - 24:00 on 10-Oct

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	10:00	10:00	OTHER		Prepared for C0002 operation at Shimizu port.
					[Rig floor]
					Make up 8 stds of 5-1/2"Drillpipe S-150 (Total 64stds in the derrick).
					Pressure test of surface line w/7,000psi.
					Pressure test of CMT and C/K manifold w/10,000psi.
					Found leakage from valves on C/K manifold and Stand pipe manifold. Service the same (on going).
					Space out 8-1/2"SD-RCB inner assemblies (2ea of Inner barrel, 1ea of Center bit and 1ea Deplugger).
					Inner barrel: Desinated position (5mm+/-)
					Center bit: Same level with bit bottom.
					Deplugger: 60mm out from bit bottom
					Make up 1 ea of 10-5/8"RCB inner barrels.
					[BOP/Riser]
					Replace Pressure switch, Solenoid valve.
					Installing riser seal subs on risers / 10jts to go.
10:00	17:30	7:30	MOVE		Sail to coring test site.
					Lower 5 x Thruster at off Shimizu port.
					@16:00 Watch boat arrives the coring site.
17:30	18:00	0:30	OTHER		Arrive at C9034site and set DP mode.
					Lower 1 C thruster at coring site.
18:00	19:15	1:15	OTHER		Install cursor rail.
19:15	24:00	4:45	TRIP		MU & Run 8-1/2"RCB BHA to 1,230.0mBRT.
					Fill up every 15stds.
					Meanwhile conduct ROV wet test. Found malfunction and service the same.
					ROV dive@ 23:15

Time Breakdown (00:00 - 06:00 on 11-Oct) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	0:45	0:45	TRIP		Continu to RIH to1,650.0mBRT
0:45	1:00	0:15	C&C		Break circulation.
					Check pump pressure w/o centre bit, 300-400-500gpm x 0.6-1.2-1.6MPa.
1:00	1:30	0:30	CORE		Drop center bit
					Confirm the center bit landed by increasing pressure from 0.6 to 1.2MPa after 10min.
					Check pressure w/300-400-500gpm x 1.5-2.6-4.0MPa.
1:30	2:00	0:30	CORE		Install drain hose
2:00	2:45	0:45	TRIP	1,697.0	Run 8-1/2"RCB BHA to sea bed and tag sea bed @1,967mBRT
2:45	4:00	1:15	W&R	1,717.0	Wash down from 1,697.0 to 1,717.0mBRT (0.0 - 20.0mbsf).
					Pump 100gpm x 0.6MPa. Ave. ROP: 16m/hr.
					Replace valve on C/K manifold. Valve on standpipe manifold is on going.
4:00	6:00	2:00	DRL	1,747.0	Drill down from 1,717.0 to 1,747.0mBRT (20.0 - 50.0mbsf).
					WOB: 0-8kN, Pump: 150gpm x 0.6MPa. HPS: 20rpm x 0.0-2.0kNm. Ave.ROP: 15m/hr.
					Pump 5m3 of SWG.
					Recover ROV to surface to repair camera tilting.

Bit Record

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. (kern)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	8.5	NOV	CJPH713S-A1	N/A	A188309	3x12, 2x15, 2x16																	

BHA Record

1	8-1/2"SD-RCB	8-1/2"core bit x Bit sub x SD-RCB outer barrel x Landing sub w/Stabilizer x Head sub x 7"coring collar x XO

Hook Wt. (kN) @24:00hrs 1,231.0 mBRT

Hook Load	1,130
BHA	618
Below HWDP	
below Jar	
Hook + HPS	535
Hook block	

Jar Rotating time S/N: -
Today - Total - hrs

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St. (10", 10')	WL	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
KNPP		Pit																							

Cutting skip @24:00

Empty	Full	Total
10	0	10

ROV @24:00

Status	In water
Last Dive	10/10/2018
Injection Skid	/135 gal

Mud Pumps : 14-P-220 @ 0.0 mBRT 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"	0	0	0.0	0	0
2	6"					
3	6"					

Personnel @24:00

CDEX	11
MQJ Crew	104
MQJ (SC,Other)	2
MWJ	15
Scientist	1
Science Media	2
AXON	1
Oceaneering	6
SLB Cementing	1
SLB WL	0
Geoservices	0
AFGlobal	0
Frank's International	0
Enventure	0
Total	143

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

Item	Received	Used	Stock
Barite (Bulk)			813,000
Caustic Soda			1,000
Lime			2,200
Soda Ash			0
Caustic Potash			1,625
Tel-Polymer DX / L / H			6,400 / 1,200 / 0
XCD-Polymer			1,325
Lignate NC			4,500
Clean Lube W			10,000
Tel Clean W			6,400
Astex-S			6,300
Deformer 30C			448
Tell DD			3,200
Bi-Carbonate			2,000
Citric Acid			1,300
Tan Cal M / F / FF			1,020 / 210 / 0
Telnite GXL			684
Treat-HS			9,200
Mud Seal P			130
Tel Plug C / M / F			500 / 500 / 500
Tel Stop P / G			500 / 260
Balolift			163
Driscal D			0
Tel Flow P			0
Poro Seal			2,310
Steel Seal 50			5,250
KCl			16,000
NaCl			18,000
Fracseal			9,000
Stopseal			8,000

Geologic Information

From	To	Lithology of cuttings

Shale Shaker Centrifuge: hrs

No.1		No.4		No.1	off
No.2		No.5		No.2	off
No.3		No.6		No.3	off

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	315.3	52.6	77.0
Potable Water	m3	351.3	9.5	117.0
Drill Water	m3	2,003.0	2.0	0.0
Fuel	m3	8,117.0	19.7	0.0
Lube, Oil	Ltrs	138,900.0	0.0	0.0
Heli Fuel	Ltrs	0.0		
Cement "GWC"	ton	82.0		
Cement "G"	ton	50.0		

Mud Volume (m3)

KNPP mud (1.33)	1156
PHG (1.06sg)	30
SWG (1.07sg)	50
total	1236

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	15	

Remarks

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
#8 Meiji-maru	Chikyu		16:00

Marine Information @24:00

Heave (m)	0.1
Pitch (deg)	0.2
Roll (deg)	0.2
Vessel Heading (deg)	260
Riser Tension (kN)	-
V.D. Load (ton)	19304
Max Draught (m)	9.2
Thruster (kW)	-

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	r	23.5	25.6	1015.6	6.7	319	9.7	1.1	20	4.5	0.7	88	22.0

Today's Schedule: Recover center bit. Drop inner barrel. Cut #1~#3 SD-RCB core. POOH to surface. MU&Run 10-5/8"RCB BHA.

Reported by : T.Yokoyama / T. Nishiyama
Approved by : T. Saruhashi