Chikyu DAILY MORNING REPORT | **Mission No. :** CK18-04 | **Exp. No. :** Exp 358 | **Report No. :** 11

Site Name: C0002 | Hole Name: C0002P | Lat. 33° 18.0507'N | Long. 136° 38.2029'E | Seabed Depth : 1,967.5 mBRT | RT-MSL : 28.5 m | **Report Date :** 18/Oct/2018

Depth : @24:00 mBRT (1967.5) mbsf | Progress : 0.0 m | Drilling/Coring/Underreaming Hrs. : 0.00 hrs

Depth : @06:00 mBRT (1967.5) mbsf | LAST CASING : 11-3/4" x 2,922.50 mbsf(4,890.0 mBRT) | Last BOP Test: | Next BOP Test:

Summary of Operation on 17-Oct : Troubleshoot BOP(Replace faulty PS, Function test for Blue, Yellow and Acoustic, Fill silicon oil and Pressure test)

Present Operation @ 06:00 on 18-Oct : Continue troubleshoot BOP(Pressure test, Replace faulty PSs)

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

Time Breakdown (00:00 - 24:00 on 17-Oct)

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	11:00	11:00	BOPE(N)		Continue to troubleshoot for BOP
					Conduct visual check for all PSs of manufacture and silicon grease condition inside pressure balanced cavity.
					Yellow Pod
					Open all cans to find PS supplied by Subsea Sensor Inc.
					Replace 1ea of PS as "subsea sensors Inc" product on lower left L-can with "other maker" product.
					Perform function test with POD stab plugged: OK
					Vacuum and fill up by silicon oil for 4ea L-cans, then conduct pressure test with 58psi: Confirm all PS show same status. OK
					→Observe malfunction while #1 trial due to pressure build up speed too fast. Adjust build up speed as 1bar per 30sec then no observe malfunction
					Blue Pod
					Open all cans to find PS supplied by Subsea Sensor Inc. No PS found on upper cans.
					Replace lower 2 L-cans with fully assembled L-can spare sets.
					Perform function test with POD stab plugged: OK
					Vacuum and fill up by silicon oil for preparing pressure test
					Acoustic Pod
					Replace 6ea of "subsea sensors Inc" PS with "other Inc" product.
					Perform function test and find malfunctioning PS x1ea and replace same, confirm all function OK
					Vacuum and fill up by silicon oil, then conduct pressure test with 58psi: Confirm no PS malfunction, OK.
					[Rig floor]
					-Re-arrange WBRRT assembly (XO x WBRRT x XO x 6m pup joint of 5-1/2" DP S150)
					-Arrange man rider wire for avoid catch up Umbilical cable against HPS bumper
					-Conduct pressure test for 5ea of Lo-Torc valve, 10,000psi, OK.

Time Breakdown (00:00 - 06:00 on 18-Oct) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:00	2:00	BOPE(N)		Continue to troubleshoot for BOP
					Blue Pod
					Continue to vacuum and fill up by silicon oil, then conduct pressure test with 58psi.
					Find 4ea of PSs (UPR-Close, ST-Lock-Lock, Deadman disarm, Deadman Arm) in lower left L-can and 1ea of PS (Deadman electric on) in lower right failure.
					Decide to check and replace faulty PSs.
					Prepare for pressure test on hyperbaric chamber in lab to confirm whether PSs function in higher pressure condition than 58psi (40mWD).

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

BHA Record

Hook Wt. (kN) @24:00hrs

	mBRT
Hook Load	360
BHA	
Below HWDP	
below Jar	
Hook + RRT	360
Hook block	147

Jar Rotating time S/N: -

Today	-	Total	- hrs

Cutting skip @24:00

Empty	Full	Total
10	0	10

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																							

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	9
MQJ Crew	101
MQJ (SC,Other)	2
MWJ	15
Scientist	2
Science Media	2
Flance 5	4
AXON	1
Oceaneering	6
SLB Cementing	1
SLB WL	0
Geoservices	0
AFGlobal	0
Frank's International	0
Enventure	0
BHGE	1
Total	144

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

ROV @24:00

Status	Stand-by
Last Dive	10/16/2018
Injection Skid	/135 gal

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	220.9	59.5	47.7
Potable Water	m3	297.6	7.2	0.0
Drill Water	m3	1,969.0	4.0	0.0
Fuel	m3	7,756.8	39.9	0.0
Lube, Oil	Ltrs	134,400	600	0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	186.0	0.0	0.0
Cement "G"	ton	97.0	0.0	0.0

Mud Volume (m3)	
KNPP mud (1.33)	1156
PHG (1.06sg)	30
total	1186

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	22	

Remarks

Boat Information @24:00

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

Marine Information @24:00

Heave (m)	0.2
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	055
Riser Tension (kN)	-
V.D. Load (ton)	18807
Max Draught (m)	9.2
Thruster (kW)	950

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	c	20.0	24.4	1013.7	3.3	80	4.5	1.1	80	6.9	0.8	194	22.0

Today's Schedule: Replace faulty PSs in Blue POD, Function test Blue POD, Pressure test (LMRP, mini connector)

Reported by : N.Sakurai / T. Nishiyama
Approved by : T. Saruhashi