***Chikyu* DAILY MORNING REPORT** **Mission No. : CK18-01** **Exp. 380** **Report No. : 23**

Site Name : C0006 **Hole Name :** C0006G **Lat.** 33° 01.6388'N **Long.** 136°47.6463'E **Report Date :** 4/Feb/2018

Depth : @24:00 **4,395.0** mBRT **495.0** mbsf Progress : **0.0** m Seabed Depth : **3,900.00** mBRT RT-MSL : **28.5** m

Depth : @06:00 **4,395.0** mBRT **495.0** mbsf Drilling/Coring/Jetting Hrs. : **0.00** hrs LAST CASING : **9-5/8in** x **391.00** mbsf

Summary of Operation on **3-Feb** : Continue Run completion assembly. Re-entry and landing. Sensor check. Completion cementing. Attempt to release RT

Present Operation to 06:00 on **4-Feb** : Continue attempt to release RT

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on **3-Feb**)

From	To	Hrs	Code	Detail of Operation
0:00	1:15	1:15	OTHER	Continue run UWTV to Activation kit
				Continue install and run UWTV to top of Activation kit, confirm accumulator pressure and unlock side pressure (Activation kit @1,000mBRT)
				Accumulator pressure:(Acoustic) 8,500psi, (Mechanical) 8,500psi, Unlock side pressure:(Acoustic 1 and 2) 1,500psi_hydrostatic, (Mechanical) 0psi : OK
				#1 Sensor test: Confirm all sensors good (Strainmeter, Seismometer, Tiltmeter, Thermistor)
1:15	3:45	2:30	COMPLETION	Run completion assembly w/Activation kit to 2400mBRT w/ fill up every 10stds.
3:45	4:00	0:15	OTHER	Run UWTV to Activation kit @2000mBRT
				Run UWTV to top of Activation kit, confirm accumulator pressure and unlock side pressure (Activation kit @2,000mBRT)
				Accumulator pressure:(Acoustic) 7,000psi, (Mechanical) 7,000psi, Unlock side pressure:(Acoustic 1 and 2) 3,000psi_hydrostatic, (Mechanical) 0psi : OK
4:00	8:00	4:00	COMPLETION	Run completion assembly w/Activation kit to 3880mBRT w/ fill up every 10stds.
8:00	9:30	1:30	OTHER	Run UWTV to 3873mBRT
				Run UWTV to top of Activation kit, confirm accumulator pressure and unlock side pressure (Activation kit @3,400mBRT)
				Accumulator pressure:(Acoustic) 5,000psi, (Mechanical) 5,000psi, Unlock side pressure:(Acoustic 1 and 2) 4,500psi_hydrostatic, (Mechanical) 0psi : OK
				#2 Sensor test: Confirm all sensors good (Strainmeter, Seismometer, Tiltmeter, Thermistor)
				Align Activation kit acoustic pressure gauge side and CORKhead connector bay side to 270deg.
				Break circulation 350gpm x 6.4MPa
				Observe leakage between sensor carrier and strainmeter on the way.(3873mBRT)
				Confirm return from circulation port.
				Investigate leakage point and find leakage at right below top flange of strainmeter.
9:30	16:00	6:30	COMPLETION	Re-entry and RIH completion assembly to 4357mBRT
				Check Activation kit accumulator pressure:(Acoustic) 4000psi, (Mechanical) 4000psi :OK
				(From 10:15 to 12:50) Adjust vessel position for re-entry.
				Observe no excess drag while running, except Swell packer through the wellhead (30kN)
				While running, adjust vessel position for 3-1/2in TBG of flatpack side lean wellhead for prevent damage on sensor cables
				Meanwhile: (From 14:00 to 15:20)S/B Akatsuki recover transponder beacon (1ea/4ea).
16:00	16:15	0:15	COMPLETION	Land Completion assembly on wellhead.
				Land completion assembly on wellhead@4357mBRT, slack off 60kN (Total CSG weight; 63kN).
				Confirm CORKhead orientation for ROV platform(CORKhead connector bay face to "250deg", ROV platform black paint "240deg")
16:15	16:45	0:30	COMPLETION	#3 Sensor test: Confirm all sensors good (Strainmeter, Seismometer, Tiltmeter, Thermistor)
16:45	21:00	4:15	COMPLETION	Completion assembly CMTG.
				(17:00-18:00) Mix Flexstone 1.68sg at batch mixer.
				(18:15-18:38) Pump 58.2bbl of 1.03sg spacer (Mud Push Ⅱ)
				(18:39-18:40) Pump surface volume 1.60bbl of 1.68sg Flexstone
				(19:42-19:48) Drop Bottom dart
				(18:50-19:13) Pump 1.68sg Flexstone slurry. Total 74.4bbl
				(19:14-19:15) Pump surface volume of 1.03sg Mud Push (1.60bbl)
				(19:15-19:20) Drop Top dart
				(19:22-19:23) Pump 3.1bbl of 1.03sg spacer (Mud Push Ⅱ).
				(19:23-20:50) Pump 233bbl of sea water.
				Observe Top & Bottom plug released by indicator on Rigfloor
				Continue pumping 233bbl sea water after Top plug released, and observe Top plug bump by pressure 800psi
				Hold 600 psi of pressure 5min. Bleed off pressure and observe 0.7bbl return fluid.
21:00	22:15	1:15	COMPLETION	Release HART from CORKhead by acoustic function of Activation kit.
				Continue slack off 60kN and send #1 acoustic signal to Activation kit from UWTV: Not success_Observe fluid come out from HART tool seal
				Send #2 acoustic signal to Activation kit from UWTV: Not success_No fluid observe
				Perform mechanical function of Activation kit by UWTV: Shift 9 times by passage but indicator could not shift
22:15	24:00	1:45	COMPLETION(N)	PU UWTV to surface and re-tighten UWTV sleeve for Activation kit mechanical function

Time Breakdown (00:00 - 06:00 on **4-Feb**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	1:00	1:00	COMPLETION(N)	Continue re-tighten UWTV sleeve for Activation kit mechanical function
1:00	2:15	1:15	COMPLETION(N)	Run UWTV to Activation kit
2:15	3:30	1:15	COMPLETION(N)	Release HART from CORKhead by mechanical function of Activation kit.
				Attempt to open last valve and activate mechanical function of Activation kit by UWTV: no succese
3:30	4:00	0:30	COMPLETION(N)	PU UWTV to surface and cock UWTV sleeve for Activation kit mechanical function
				Change hook position and tilt whole UWTV to increase force to open valve.
4:00	5:15	1:15	COMPLETION(N)	Run UWTV to Activation kit
5:15	6:00	0:45	COMPLETION(N)	Release HART from CORKhead by mechanical function of Activation kit and conduct sensor test.
				Attempt to open last valve and activate mechanical function of Activation kit by UWTV: not accessv
				#4 Sensor test: Confirm all sensors good (Strainmeter, Seismometer, Tiltmeter, Thermistor) except for #5 Thermistor sensor @407.358m
				Meanwhile: (From 5:20 to 5:55) Change vessel heading 110deg. portside whle rotate string 90deg clockwise.

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. (krev)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA Record

Hook Wt. (kN) @ 467 mBRT

Hook Load	670
LTBMS completion	70
HPS & Traveling block	600

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')		WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
PHG	8:30	PHG	1.06	300	47	79	61	87			8.5									16		0.46	7.28
SWG	9:00	SWG	1.11	300	33	82	70	70			10.8									16		0.36	11.89
Kill Mud	9:30	KillMud	1.30	100	38	24	23	45			10.6									16		0.69	0.84

Geologic Information

From	To	Lithology of core
0:00	24:00	S/B Akatsuki
5:30	24:00	G/B Meijimaru #8

Helicopter	#1	On	Off	#2	On	Off	#3	On	Off
Flight									

Personnel @24:00

CDEX	9
Scientist	15
MQJ Crew	95
MQJ (Other)	2
MWJ	15
NuStar	3
Cementing (Sch)	3
Packer (Hal)	1
Telnite	1
Trainee	4
Franks	4
ODI	2
OCC	3
Total	157

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

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

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	30	
Remarks		

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	84.1	82.1	326.4
Potable Water	m3	0.0	4.2	268.1
Drill Water	m3	0.0	15.0	1,960.0
Fuel	m3	0.0	41.8	3,497.7
Lube, Oil	Ltrs	0.0	0.0	80,700
Heli Fuel	Ltrs	0.0	0.0	0.0

Mud Volume (m3)

Prehy Gel (1.06sg)	50
SWG (1.11sg)	36
NaCl Brine (1.19sg)	60
Kill mud (1.30sg)	40
Suspend Fluid	60

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

Item	Received	Used	Stock
Barite (Bulk) *		3,000	267,000
TEL-GEL (Bulk)			38,000
Kunigel VO (Bulk)			41,000
Caustic soda			1,225
Lime			1,020
XCD-Polymer			100
Baracor-100			0
Telnite OS-5			0
Deformer 30C			16
KCl			140
NaCl			0

* Include carried over materials

Marine Information @24:00

Heave (m)	0.6
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	30
Riser Tension (ton)	-
V.D. Load (ton)	12651.2
Max Draught (m)	9.00
Thruster (kW)	2,500

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	bc	10.5	16.0	1016.3	9.5	300.0	11.6	2.1	60	5.9	0.4	229	22

Today's Schedule : Cont. attempt to release RT. POOH RT assy.

Reported by : N.Sakurai / K.Tabuchi

Approved by : T.Saruhashi