Chikyu DAILY MORNING REPORT

Mission No. : CK18-01 **Exp. No.** 380 **Report No. :** 6

Site Name : C0006 **Hole Name :** C0006G **Lat.** 33° 01.6390'N **Long.** 136°47.6470'E **Report Date :** 18/Jan/2018

Depth : @24:00 3,930.0 mBRT 30.0 mbsf Progress : 30.0 m Seabed Depth : 3,900.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 3,965.0 mBRT 65.0 mbsf Drilling/Coring/Jetting Hrs. : 1.75 hrs LAST CASING : 20in x 65.00 mbsf

Summary of Operation on 17-Jan : Run 20in CSG with internal BHA. Run UWTV. 20in CSG jetting.

Present Operation to 06:00 on 18-Jan : Continue 20in CSG jetting to 54mbsf and Drill down 12-1/4in bit and motor to 65mbsf. Retrieve UWTV

mBRT: meter below rotary table

mbsf: meter below sea floor

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

From	To	Hrs	Code	Detail of Operation
0:00	1:00	1:00	Other(N)	Continue Troubleshoot for CCTV server
1:00	2:30	1:30	TRIP	Lower string and aline DAT for latching DAT to wellhead on working cart
				Re-install 2 anti-rotation key. Confirm DAT fully inside wellhead housing by NuStar
				Start pump slowly to 1500psi and confirm sliding sleeve fully Locked position, install 2 shear pins. Bleed off and remove safety split clamp.
2:30	4:00	1:30	OTHER	PU 20in CSG w/internal BHA and confirm 5in protude from CSG shoe (HK position 40m)
				Meanwhile, open RGR door for swallow DP
4:00	5:30	1:30	Other(N)	Troubleshoot for CCTV server failure
				Reboot CCTV server reboot. Fail to operate camera function.
				(4:00-4:30) retrieve DAT lock dart from DAT body by tugger w/CBRT
5:30	18:15	12:45	TRIP	Continue run 20in CSG to 3800mBRT.
				Fill up every 10stands.
				Install DAT unlock dart to top drive.
				Connect top drive and break circulation 300-400gpm x 2.4-4.0MPa.
18:15	19:30	1:15	OTHER	Open RGR door and Install UWTV to drillpipe.
19:30	21:45	2:15	OTHER	Run UWTV to 7m above 20in CSG shoe.
				Lower UWTV to 50mWD and power off, and install UWTV cable to UWTV guide sheave.
				Paint 50m mark on UWTV cable and lower UWTV to 100mWD, and paint 100m mark.
				Power on UWTV @100mWD and wait 2min. for gyro sensor stabilized.
				Ship heading: 220deg. Gyro reading: 182deg (When power on)
21:45	22:15	0:30	OTHER	Adjust vessel position and tag on seabed.
				Adjust vessel to scientist required location.
				Tag on seabed and confirm water depth: **3900mBRT**.
22:15	24:00	1:45	CSG	20in CSG Jetting from 3900 to 3932mBRT, on going.
				3900-3905mBRT: WOB 0-40kN, PUMP 50gpm x 0.3MPa. 3905-3912mBRT; WOB 0-80kN, PUMP 100-250gpm x 0.5-1.7MPa.
				3912-3922mBRT: WOB 20-120kN, PUMP 300-700gpm x 2.1-10.9MPa. 3922-3932mBRT; WOB 0-40kN, PUMP 700gpm x 10.5MPa.
				Reciprocation 5m (3913, 3915, 3916, 3917mBRT) & 10m (3920, 3921, 3922, 3923, 3928mBRT)
				Sweep 5m3 of SWG after connection.
				Pressure test for Activation kit (Valve #2 & 3 on Mechanical function, Valve #1 on Acoustic function).
				9-5/8"CSG measurement.
				(15:05 - 16:30) Advisory status due to over 18m/s wind speed.

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

From	To	Hrs	Code	Detail of Operation
0:00	3:15	3:15	CSG	Continue 20in CSG Jetting from 3930 to 3954mBRT (6m WH stickout)
				3930-3939mBRT: WOB 0-80kN, PUMP 700gpm x 10.5-10.8MPa. 3939-3943mBRT; WOB 0-100kN, PUMP 800gpm x 14.2-14.8MPa.
				3943-3947mBRT: WOB 20-65kN, PUMP 850gpm x 15.5-16.0MPa. 3947-3954mBRT; WOB 0-90kN, PUMP 900gpm x 17.0-17.6MPa.
				Reciprocation 10m (3933, 3938, 3940, 3942, 3946, 3951mBRT), Sweep 10m3 of SWG @5m above TD
				Confirm wellhead stick up 5m and CSG shoe is 3954mBRT.
				Decrease pumps and soaking for 20in CSG w/CMC on, slack off w/120kN of CSG weight and confirm wellhead keep position by UWTV: OK
				Open ball valve and shear ram to drop dart which is standby at Mud bucket
				Chase pump w/150gpm x 1.5MPa(10min) and reduce to 100gpm x 0.47-0.66MPa(20min), confrim dart landing by pressure increase to 3.2MPa
				Stop pump at 6.6MPa and confirm DAT indicator sleeve move to unlock position and shear two shear pins
				Increase stand pipe pressure gradually and rapture the rapture disk at 12.6MPa x 200gpm, confirm stem dropped
3:15	3:45	0:30	Drill	Drill down from 3954 to 3965mBRT
				Apply top drive brake and wash down 12-1/4"hole with motor to 65mbsf, WOB 20-40kN, PUMP 250-400gpm x 4.5 - 7.3MPa
				Pick up from 3965 to 3960 and keep circulate out Hi-vis w/3.5MPa x 400gpm
3:45	6:00	2:15	OTHER	Retrieve UWTV to surface.
				Before retrieve, confirm DAT body condition with NuStar :OK. Keep slow pumping with 75gpm while retrieving UWTV

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
RR1c	12.25	NOV	DSH616D	M423	A16762	6 x 12, 3 x 13																	

BHA Record

1	Inner string	12-1/4"Bit x 9-5/8"Motor x 8"Screen sub x XO x 8"Float sub w/float x 12-1/4"stabilizer x 8-1/2"DC (4) x 8"Spacer sub (4) x 8"Pony collar x DAT x 8-1/2"Coring DC 6m pup (1) x 8-1/2"Coring DC (6) x XO

Hook Wt. (kN) @ 3,932 mBRT

Total Hook Weight	2,792
BHA	220
20in CSG	131
HPS & Traveling block	700

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	9:00		1.06	291	74	98	35 56			8.8									16		0.52	6.88
SWG	15:00		1.11	300	36	132	95 99			11.0									16		0.28	29.30
Kill mud	15:30		1.30	118	25	40	40 59			11.0									16		0.47	3.48

Geologic Information

From	To	Lithology of core

Personnel @24:00

CDEX	9
Scientist	26
MQJ Crew	98
MQJ (Other)	2
MWJ	15
NuStar	3
Cementing (Sch)	1
Motor (Halliburton)	1
Telnite	1
Trainee	2
K2	2
Total	160

Mud Volume (m3)

Prehy Gel (1.06sg)	226
SWG (1.11sg)	55
NaCl Brine (1.19sg)	184
Kill mud (1.30sg)	40

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

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	
1	6	140	700	10.9	19	16
2	6					
3	6					

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

Item	Received	Used	Stock
Barite (Bulk) *	282,090		271,000
TEL-GEL (Bulk)	61,000		38,000
Kunigel V/O (Bulk)	41,000		41,000
Caustic soda	2,200	200	1,675
Lime	1,900	200	1,380
XCD-Polymer	100		100
Baracor-100	420		420
Telnite OS-5	225		225
Deformer 30C	32		16
KCl	280		280
NaCl	80,000	15,000	25,000

* Include carried over materials

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	17	
Remarks		

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	50.0	62.5	265.0
Potable Water	m3	0.0	4.0	336.5
Drill Water	m3	0.0	6.3	2,097.3
Fuel	m3	0.0	42.5	4,234.8
Lube, Oil	Ltrs	0.0	0	90,900
Heli Fuel	Ltrs	0.0	0	0.0

Marine Information @24:00

Heave (m)	0.9
Pitch (deg)	0.7
Roll (deg)	0.3
Vessel Heading (deg)	240
Riser Tension (ton)	-
V.D. Load (Moon)	13680.2
Max Draught (m)	9.00
Thruster (kW)	2,730

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	15.0	16.8	1013.1	15.6	307.0	17.3	3.6	210	7.5	0.5	219	22

Today's Schedule : Drill down 12-1/4in hole to 399mbsf, Wiper Trip and Run UWTV to monitor releasing tool.

Reported by : T.Yokoyama / N.Sakurai

Approved by : T.Saruhashi