Chikyu DAILY MORNING REPORT

Mission No. : CK18-01 **Exp. No.** 380 **Report No. :** 15

Site Name : C0006 **Hole Name :** C0006G **Lat.** 33° 01.6388'N **Long.** 136°47.6463'E **Report Date :** 27/Jan/2018

Depth : @24:00 4,395.0 mBRT 495.0 mbsf Progress : 86.0 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. : 3.10 hrs LAST CASING : 9-5/8in x 391.00 mbsf

Summary of Operation on 26-Jan : Cont. MU&Run 8-1/2"x9-7/8"Bi-Center bit w/motor BHA. Re-entry to C0006G hole. Drill down to 4395mBRT. Spot protect zone

Present Operation to 06:00 on 27-Jan : Cont. Spot protect zone. PU to 4328mBRT. Sweep out and spot 10m3 of SWG. POOH.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 26-Jan)

From	To	Hrs	Code	Detail of Operation
0:00	8:30	8:30	TRIP	Continue MU&Run 8-1/2"x9-7/8"Bi-Center bit w/motor BHA to 3870mBRT.
				Conduct motor shallow test w/200gpm x 0.4MPa - OK.
				Fill up every 15stds.
8:15	10:00	1:45	OTHER	Run UWTV to 7m above bit.
				Shift RGR to AFT and working cart to well center.
				Install UWTV to drillpipe.
				Move vessel to well center.
				Meanwhile, Check pressure: 200-300-400-500-600gpm x 1.1-2.6-4.8-7.5-10.7MPa.
				Break circulation one string volume w/400gpm x 4.8MPa.
10:00	10:15	0:15	TRIP	Lower bit w/UWTV to 3895mBRT.
10:15	11:30	1:15	OTHER	Re-entry to C0006G hole.
				(10:35 - 11:35)Adjust vessel position for re-entry.
11:30	13:30	2:00	TRIP	RIH to 4307mBRT.
				From 4223 to 4307mBRT, no observed excessive drag (@float collar, shoe : All good)
				Tag to bottom (4307mBRT) by 20kN , confirm 2m fill
13:30	13:45	0:15	TRIP	PU BHA from 4307 to 4283mBRT for retrieve UWTV
				No observed excessive drag
13:45	15:30	1:45	OTHER	Recover UWTV to surface
				(15:15 - 15:30) DP swallow into RGR by NuStar
15:30	20:30	5:00	DRLG	Drill down to 4395mBRT
				@4293mBRT(2m below shoe), Check pressure: 200-400-500-600 x 1.0-5.0-7.8-11.1MPa
				4293~4310mBRT, WOB:0-20kN, HPS:30rpm x 0.5-4.5kNm, PUMP:400gpm x 5.0MPa (Motor rotation: 116rpm). Sweep out 5m3 of Hi-vis
				4310~4348mBRT, WOB:10-20kN, HPS:30rpm x 0.5-5.0kNm, PUMP:600gpm x 11.5MPa (Motor rotation: 174rpm) Every half stand, sweep out 5m3 of Hi-vis
				4348~4386mBRT, WOB:10-20kN, HPS:30rpm x 0.5-5.0kNm, PUMP:600gpm x 11.3MPa (Motor rotation: 174rpm) Every half stand, sweep out 5m3 of Hi-vis
				4386~4395mBRT, WOB:0-10kN, HPS:30rpm x 0-4.5kNm, PUMP:600gpm x 11.2MPa (Motor rotation: 174rpm) Every half stand, sweep out 5m3 of Hi-vis
				*Meanwhile, Perform pressure test CMT unit twice w/ seawater: 300psi x 5min and 3,000psi x 10min: OK
				Perform pressure test CMT line to manifold w/ seawater: 300psi x 5min and 3,000psi x 10min: OK
20:30	20:45	0:15	C&C	Sweep hole w/ 5m3 Hi-vis x 2times and Spot 10m3 Hi-vis (PUMP: 600gpm x 11.3MPa, HPS: 30rpm x 0-1.6kNm)
20:45	21:45	1:00	TRIP	Wiper Trip from 4395.0m to 4293.0mBRT w/o rotation and pump
				No observed excessive drag, confirm hole condition good
21:45	23:45	2:00	OTHER	Circulate and reciprocate drill string, HPS: 5rpm x 0-1.5kNm, PUMP: 200gpm x 1.1MPa
				Meanwhile, Cementer adjust pH and mix additives (Crosslinker) with KCl Brine at Batch Mixer.
23:45	24:00	0:15	OTHER	Spot Protect Zone by Schlumberger CMTG unit.
				Mix and pump 6.8bbls x Liner Gel (ahead Protect Zone).
				Pump 33.2bbls x Protect Zone.

Time Breakdown (00:00 - 06:00 on 27-Jan) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	1:15	1:15	OTHER	Continue to spot Protect Zone by Schlumberger CMTG unit.
				Pump 1.0bbls x Liner Gel (behind Protect Zone).
				Pump 294.1bbls x seawater.
				Check return: 4.0bbls.
1:15	1:45	0:30	TRIP	PU string to 4328mBRT.
1:45	2:30	0:45	C&C	Sweep out 10m3 of SWG and spot 10m3 of SWG w/400gpm x 4.5MPa.
2:30	6:00	3:30	TRIP	POOH to 2607mBRT, on going.

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
5	8.5x9.875	NOV	CSDR4219		126376	4 x 12, 2 x 14	4293.0	4395.0	102.0	3.1	0	20	116	174	43.9								

BHA Record

5	Bi center	8-1/2"x9-7/8"Bi center bit x 6-3/4"DC (1) x XO x 6-3/4"Mud motor x Float sub x 6-3/4"DC (3) x XO 8-1/2"STB x XO x 6-3/4"DC (3) x 6-1/2"Jar x 6-3/4"DC (6) x XO

Hook Wt. (kN) @ 4,391 mBRT

Hook Load	3,005
BHA	190
BHA (Below Jar)	90
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	21:00	PHG	1.06	300	32	56	43 : 80			8.7									16		0.45	5.41
SWG	20:00	SWG	1.11	300	43	124	90 : 120			10.9									16		0.33	21.27
Kill Mud	13:00	Kill Mud	1.30	110	28	39	44 : 58			11.0									16		0.50	2.90

Geologic Information

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

Helicopter	#1	On	Off	#2	On	Off	#3	On	Off
Flight		5	4		0	8			

Personnel @24:00

CDEX	10
Scientist	15
MQJ Crew	95
MQJ (Other)	2
MWJ	15
NuStar	3
Cementing (Sch)	3
Motor, Packer (Hal)	2
Telnite	1
Trainee	4
Franks	4
Total	154

Mud Volume (m3)	
Prehy Gel (1.06sg)	50
SWG (1.11sg)	60
NaCl Brine (1.19sg)	80
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	60	600	11.5	155	93
2	6	60				
3	6					

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

Item	Received	Used	Stock
Barite (Bulk) *			270,000
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			280
NaCl			4,000

* Include carried over materials

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	35	

Remarks

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	68.3	79.8	246.4
Potable Water	m3	0.0	5.1	303.5
Drill Water	m3	0.0	0.0	2,017.3
Fuel	m3	0.0	46.0	3,840.4
Lube, Oil	Ltrs	0.0	0	86,200
Heli Fuel	Ltrs	0.0	0.0	0.0

Marine Information @24:00

Heave (m)	0.3
Pitch (deg)	0.2
Roll (deg)	0.3
Vessel Heading (deg)	335
Riser Tension (ton)	-
V.D. Load (ton)	13119.0
Max Draught (m)	9.00
Thruster (kW)	800

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	4.0	15.3	1015.7	12.6	310.0	15.0	2.2	290	5.8	0.3	261	22

Today's Schedule : Cont. POOH to surface. Lay out mud motor & bi-center bit. MU CMT stand. MU&Run 9-5/8"CSG scraper BHA. Run UWTV.

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