Chikyu DAILY MORNING REPORT

Mission No. : CK16-02 **Exp. No.** 365 **Report No. :** 11

Site Name : C0010 **Hole Name :** C0010A **Lat.** 33° 12.5981'N **Long.** 136°41.1924'E **Report Date :** 6/Apr/2016

Depth : @24:00 **3,206.0** mBRT **654.0** mbsf Progress : **132.0** m Seabed Depth : **2,552.00** mBRT RT-MSL : **28.5** m

Depth : @06:00 mBRT mbsf Drilling/Coring/Jetting Hrs. : hrs LAST CASING : **9 5/8IN** x **547.80** mbsf

Summary of Operation on **5-Apr** : Spot Protect zone. POOH underreaming BHA. MU and RIH 9-5/8"CSG scraping BHA. Scrape 9-5/8"CSG

Present Operation to 06:00 on **6-Apr** : POOH 9-5/8"CSG Scraper Assembly.

Time Breakdown (00:00 - 24:00 on **5-Apr**)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	1:15	1:15	OTHER	Continue to Spot Protect Zone by Schlumberger CMTG unit.
				Mix and Spot Liner Gel (ahead Protect Zone) x 0.5kL, Protect Zone x 3.7kL (3206.0 - 3156.0mBRT), Liner Gel (behind Protect Zone) x 0.5kL.
				Displace with Sea water x 31.1kL. * Mix at Batch Mixer and transfer slurry to CMTG Unit, Start pumping by CMTG pump.
				(01:00 - 01:15) While displacing with Sea water, switch CMTG Pump to Rig Pump because of CMTG pump's trouble.
1:15	10:45	9:30	TRIP	POOH 8-1/2" x 9-7/8" Underreaming assembly to 2050mBRT.
				No excessive overpull while POOH.
				Observe downhole make up from top of #35 5-1/2"DP stds (Depth@ Drilling operation : 200 - 1000mBRT+/-).
				Unable to break connection x 3jts of #35 5-1/2"DP stds (Depth@ Drilling operation : 200 - 330mBRT) by 140kN-m (Maximum Rotary tong TRQ).
				Difficulty breaking DP connection at these depth. Break connection w/100 - 140kN-m (5-1/2"DSTJ M/U TRQ: 68kN-m).
				* Use Rotary tong at these depth for breaking connection.
				Lay down 6-3/4"H-M Jar, NBR800 Underreamer, 8-1/2"PDC Bit,
10:45	14:30	3:45	OTHER	Preparation of CMTG Head (Schlumberger) Stand.
				Pick up 5-1/2"DP stand w/CMTG Head, Drop Top plug and check indication pin. -> "OK"
				Install Top & Bottom plugs for CMTG operation. Hook up cementing hose, rack back.
14:30	19:30	5:00	TRIP	MU and RIH 9-5/8"CSG Scraping BHA to 2300mBRT w/drifting.
				Pick up 9-5/8"CSG scraper, 6-3/4"H-M Jar (Re-Run) and Drift catcher sub.
				Drillstring contact Guide horn FWD side continuously due to drifting speed to adjust ROV dive.
19:30	20:30	1:00	MOVE	Drift vessel to well center w/0.5knot drifting.
				Standby drill floor to complete vessel move to well center.
20:30	21:15	0:45	TRIP	Resume RIH 9-5/8"CSG Scraper assembly to 2510mBRT.
21:15	21:30	0:15	C&C	Break circulation and confirm pumping seawater from bit by ROV @2510mBRT
21:30	22:00	0:30	OTHER	Check seabed depth 10m offset from well center at two points to confirm water depth.
				Tag seabed at 2553mBRT (Lat: 33° 12.5973'N, Long: 136° 41.1856'E)
				Tag seabed at 2555mBRT (Lat: 33° 12.5881'N, Long: 136° 41.1912'E)
				* These coordinates are ship position because ROV mini-beacon does not work due to switch-off (Estimation)
22:00	23:30	1:30	TRIP	Stab-in C0010A and RIH 9-5/8"CSG Scraping BHA slowly to 2934mBRT.
23:30	24:00	0:30	TRIP	Scrape inside 9-5/8"CSG.
				Scraping x 5times @2920 - 2934mBRT.
				Vessel: ROV
				(11:15) Move to 6miles west from well center. (06:30) ROV on deck
				(14:00) Arrive location and set DP mode. (18:30) Dive ROV
				(15:15) Start to move vessel to well center.

D/V "Chikyu"

Time	distance from W/C	sea current	current direction
6:00	W/C	3.0 knot	103 deg
8:00	1.0 mile	3.0 knot	102 deg
10:00	1.0 mile	3.1 knot	99 deg
12:00	1.0 mile	3.3 knot	94 deg
14:00	6.0 mile	3.1 knot	90 deg
16:00	5.2 mile	3.2 knot	92 deg
18:00	2.6 mile	3.0 knot	93 deg
20:00	0.4 mile	3.2 knot	98 deg
21:00	W/C	3.2 knot	100 deg

Time Breakdown (00:00 - 06:00 on **6-Apr**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	CIRC	Circulate and BTM's up x 2times.
				Sweep out 20m3 PHG for hole cleaning.
0:45	1:15	0:30	C&C	Drop drift gauge for passing through gauge.
				Chase w/60spm x 1.6MPa -> 1.9MPa, Confirm drift gauge lands on catcher sub.
1:15	3:00	1:45	TRIP	POOH 9-5/8"CSG Scraper assembly.
3:00	3:30	0:30	OTHER	Check seabed depth 15m offset from well center at two points to confirm water depth.
				Tag seabed at 2556.5mBRT (Lat: 33° 12.5931'N, Long: 136° 41.1907'E)
				Tag seabed at 2555.0mBRT (Lat: 33° 12.5937'N, Long: 136° 41.1795'E)
3:30	6:00	2:30	TRIP	Resume POOH 9-5/8"CSG Scraper assembly.

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
1	8-1/2	HDBS	MME55	M323	12620955	13 x 5	3074.0	3,206.0	132.0	8.00	0	60	40	120	46.6	2	1	WT	N	x	-1/32"	CT(7)	TD
2	8-1/2	TIX	X20GSJ-G	517	80254	Open																	

BHA Record

#1	8-1/2"PDC Bit x NBR800 Underreamer (8-1/2" x 9-7/8") x Bit sub w/Float x XO x 8-1/2"Stab x XO x 6-3/4"DC(9) x 6-3/4"H-M Jar x 6-3/4"DC(3) x XO x 5-1/2"DP(S-140) 38stds x 5-1/2"DP (S-150)
#2	8-1/2"Insert bit x 9-5/8"CSG Scraper x XO x 6-3/4"DC (9) x HM Jar x 6-3/4"DC (3) x XO x Churchill Drift Catcher Sub x 5-1/2"DP S-140 38stds x XO x 5-1/2"DP S-150

Hook Wt. (kN) @ 3204mBRT

Total Hook Weight	1,935
BHA	136
BHA (Below Jar)	100
HPS & Traveling block	750

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	11:00		1.05	248	60	90	38 60			8.5									21		0.49	7.27

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Arr.	Passenger Dept.
1	9:19	10:00	1	2
2				
3				
4				

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

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6	100	500	7.8	72 (DC) 78 (DP)
2	6				
3					

Personnel @24:00

CDEX	4
Scientist	12
MQJ Crew	100
MQJ (Other)	1
MWJ	14
ROV	6
NuStar	3
Cementing (Sch)	3
W/L (Sch)	0
Telnite	1
BHI	0
Underreamer(Halliburton)	1
Total	145

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

Item	Received	Used	Stock
Barite (Bulk)			6,000
Kunigel-VO (Bulk)			31,000
Calcium hydroxide			2,680
Caustic soda			2,500
XCD-Polymer			175
Defoamer 30C			160
Telnite GXL			144
Rester			3,700
Treat HS			1,000

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	18	
Remarks		

Geologic Information

From	To	Lithology of core

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	86.4	58.3	264.0
Potable Water	m3	0.0	4.8	317.0
Drill Water	m3	0.0	28.4	2,296.8
Fuel	m3	0.0	47.7	7,102.1
Lube. Oil	Ltrs	0.0	3,100	123,900
Heli Fuel	Ltrs	0.0	0	0.0

Mud Volume (m3)

Prehy Gel (1.05sg)	220
SWG (1.04sg)	0
Kill Mud (1.30sg)	0

BOAT INFORMATION

Boat Name	Status	Time Departed	Time Arrived
Heisei-maru	Current survey	-	18:00
Akatsuki	Current survey	-	-

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.4
Roll (deg)	0.1
Vessel Heading (deg)	293
Riser Tension (ton)	-
V.D. Load (Moon)	15776.9
Max Draught (m)	9.00
Thruster (kW)	1,650

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	17.0	21.6	1014.7	4.2	52.0	5.1	1.5	50	6.7	3.4	102	22

Today's Schedule : Continue to RIH w/Drifting, Rig down Guide horn, Rig up Completion Guide Roller.

Reported by : T.Shiotani / T.Yokoyama

Approved by : T.Ikawa