Chikyu DAILY MORNING REPORT | **Mission No. :** CK12-06 | **Exp. No. :** Exp 338 | **Report No. :** 65

Site Name : C0012 | **Hole Name :** C0012H | **Lat.** 32° 44.8783'N | **Long.** 136° 55.0351'E | **Report Date :** 5/Dec/2012

Depth : @24:00 3,712.00 mBRT 174.00 mbsf | Progress : 174.00 m | Seabed Depth : 3,538.00 mBRT | RT-MSL : 28.5 m

Depth : @06:00 3,838.00 mBRT 300.00 mbsf | Drilling/Coring/Jetting Hrs. : 6.75 hrs | LAST CASING : - x - mbsf(- mBRT)

Summary of Operation on 4-Dec : Re-run 12-1/4" LWD drilling assembly. Spud in C0012H hole. Drill 12-1/4"LWD hole.

Present Operation to 06:00 on 5-Dec : Drill 12-1/4"LWD hole.

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

Time Breakdown (00:00 - 24:00 on 4-Dec

From	To	Hrs	Code	Detail of Operation
0:00	2:30	2:30	Trip (N)	Continue to POOH to 90mBRT.
2:30	2:45	0:15	Log(Other N)	Connect HPS. Conduct LWD shallow test @90mBRT. Pump 140spm x 4.9MPa. Receive signal, but observe turbine jamming alert from Telescope.
2:45	4:30	1:45	Trip(N)	Resume POOH to surface. Check bit inside "OK".
4:30	6:45	2:15	Trip (N)	Make up and RIH LWD assembly. Lay out and replace MWD (Telescope) to used one in C0002F (Some small gray debrisinside the telescope: cement and sand) .
6:45	7:15	0:30	Log(N)	Conduct LWD shallow test. Pump 140-170-200 spm (700-850-1000 gpm) x 4.9-7.4-10.7MPa "OK".
7:15	9:30	2:15	Trip(N)	RIH 12-/4" LWD assembly to 1014mBRT.
9:30	9:45	0:15	Log(N)	Conduct LWD shallow test @1014BRT. Pump 140spm (700gpm) x 9.0MPa "OK".
9:45	11:30	1:45	Trip(N)	Resume RIH to 2026mBRT.
11:30	11:45	0:15	Log(N)	Conduct LWD test @2026BRT. Pump 140spm (700gpm) x 10.8MPa "OK".
11:45	13:30	1:45	Trip(N)	Resume RIH to 2835mBRT.
13:30	13:45	0:15	Log(N)	Conduct LWD test @2835BRT. Pump 140spm (700gpm) x 12.2MPa "OK".
13:45	15:00	1:15	Trip(N)	Resume RIH to 3493mBRT.
15:00	15:30	0:30	Log(N)	Break circulation @3493mBRT.
				Pump: 120-140-160-180-200spm (600-700-800-900-1000gpm) x 10.0-13.7-17.5-21.8-27.0MPa. LWD signal "OK".
15:30	17:30	2:00	W&R	Pump down from 3486mBRT to 3598mBRT.
				Wash down 80m/hr with pump 140spm x 13.8MPa. Observed 20-40kN took weight @3541mBRT.
				Conduct re-survey 3539-3555mBRTat 30m/hr , then confirm sea bed @3538mBRT by LWD.
17:30	21:30	4:00	DRL	Drill 12-1/4" LWD hole 3598-3686mBRT, 88m.
				Control ROP: 40m/hr, WOB: 0-30kN, HPS: 40rpm x 1-4kNm, Pump: 140spm x 13.7MPa.
				Sweep out 5m3 every stand while drilling. No observe over pull, drag and fill.
21:30	23:15	1:45	WAIT	Wait on order.
				Stop drilling. Discuss whether configuration of sonicVISION has to be changed or not by Down Link, due to uncertain slowness indication (less than 100μsec/ft) on real time data.
				Scientist decide to continue drilling with same configuration of sonicVision (Leaky P configuration: 125～175μsec/ft).
23:15	24:00	0:45	DRL	Resume to drill 12-1/4" LWD hole 3686-3712mBRT, 26m.
				Control ROP: 40m/hr, WOB: 0-40kN, HPS: 40rpm x 1-4kNm, Pump: 140spm x 13.7MPa.
				Sweep out 5m3 every stand while drilling. No observe over pull, drag and fill.
				Meanwhile,
				Lay out 6-5/8"DP Z-140 4jts @auxiliary hole. Total: 32jts lay out / 88jts.
				13:30 Advisory status due to exceed 18m/s wind. 15:30 Green status.

Sensor Offset from Bit (m)	
GVR Gamma Ray	1.12
Ring Resistivity	1.39
BD Resistivity	1.58
BM Resistivity	1.76
BS Resistivity	1.89
APWD	5.85
ARC Resistivity	6.56
ARC Gamma Ray	6.61
IWOB	10.85
D+I	14.21
Sonic	23.60

Survey Data

Depth (mBRT)	Inclination (deg)	Azimuth (deg)
3616.63	2.07	349.41
3655.73	1.75	349.87
3693.83	1.51	351.80

Time Breakdown (00:00 - 06:00 on 5-Dec) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	DRL	Continue to drill 12-1/4"LWD hole 3712-3838mBRT, 126m drill.
				Control ROP: 40m/hr, WOB: 0-60kN, HPS: 40-60rpm x 1-6kNm, Pump: 140spm x 13.7-14.0MPa.
				Sweep 5m3 every stand while drilling. No observe over pull, drag and fill.
				Off load to Shincho maru
				･All (four) moon pool hose.
				･160 m3 of KNPP mud.
				Meanwhile,
				Lay out 6-5/8"DP Z-140 4jts @auxiliary hole. Total: 36jts lay out / 84jts.

Survey Data

Depth (mBRT)	Inclination (deg)	Azimuth (deg)
3732.14	1.40	344.53
3770.57	1.23	341.43
3808.99	1.20	347.84

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
RR2b	12-1/4"	NOV	DSH616D-I2	M423	A162762	7 x 12, 2 x 11	-	-	-	-	-	-	-	-	-	1	2	BT1,CT5	S	X	I	NO	DTF
RR2c	12-1/4"	NOV	DSH616D-I2	M423	A162762	7 x 12, 2 x 11	3538.00	3,712.00	174.0	4.25	0	40	40	40	10.2								

BHA Record

LWD Drlg	RR2b	12-1/4"bit x GVR x ARC-8 x Telescope x 12-1/8" ILS x sonicVISION x 12-1/8"stab x 8-1/2" DC (9) x 7-3/4"Jar x 8-1/2" DC (3) x 5.68HW (12) x 5"DP S-140 (46stds) x 5-1/2"DP S-150
	RR2c	same as RR2b.

Hook Wt. (kN) @24:00 3,712.0 mBRT

BHA	385
below HWDP	320
below jar	265
Hook load	2450
Hook 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		pit	1.05	142	42	36	24	45			8.6									20		0.62	1.62
SWG		pit	1.04	80	35	42	14	16			11.4									20		0.32	7.53

Mud Pumps : 14-P-220 @ 3712.0 mBRT 4.98 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"	140	697	13.7		144
2	6"					
3	6"					

Personnel @24:00

CDEX	7
MQJ Crew	95
MQJ (Other)	1
MQJ (Add subsea E)	2
MWJ	15
NME	0
Scientist, IODP	17
Telnite	1
Oceaneering	3
NOV	0
MI Swaco	0
AXON	0
SES	0
Vetcogray	0
Geoservices	0
Schlumberger-CMT	0
Schlumberger-DD	0
Schlumberger-LWD	2
Frank's	0
Blohm Voss	0
NOV-Anderreamer	0
Shinsei kougyo	0
TV Crew	0
Total	143

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

Item	Received	Used	Stock
Barite (Bulk)	0	0	449,500
Kunigel-VO (Bulk)	0	0	42,000
NaOH	0	0	825
Lime	0	0	2,960
NaCl	0	0	31,000
KCl	0	0	26,000
Tel-Polymer DX / L / H	0/0/0	0/0/0	5420/4120/2140
XCD-Polymer	0	0	1,025
Soda Ash	0	0	1,350
KOH	0	0	850
Bi-Carbonate	0	0	1,050
Clean Lube	0	0	6,000
Tel DD	0	0	3,400
Lignate NC	0	0	4,800
Astex S	0	0	0
Treat HS	0	0	1,680
Defoamer 30C / 15	0	0/0	192/160
Telnite GXL	0	0	342
Tel Clean	0	0	1,232
Baracor-100 (gal)	0	0	110
Tel Stop G / P	0/0	0/0	2160/1000
Tel Mica C / M / F	0/0/0	0/0/0	1500/480/1000
Tel Plug C / M / F	0/0/0	0/0/0	1500/3000/500
Tan Cal C / M / F / FF	0/0/0/0	0/0/0	2700/2010/1200/2100
EZ Spot	0	0	550
Speeder P / X	0	0	1,700/1,700
Rester	0	0	0
Telnite OS-5	0	0	120
Telnite HEC	0	0	100

Cutting skip @24:00

Load (E)		Empty	0
Kaiyu	0	Full	0
Shincho-maru	0	Back up	0
Offload (F)		S.Boat (E / F)	0/0
Kaiyu	0	@ Shingu	45
Shincho-maru	0	total	45

Geologic Information

From	To	Lithology of cuttings

Shale Shaker Centrifuge: hrs

No.1	#20 x 3/#110 x 4	No.4	#20 x 3/#110 x 4	No.1	0.00
No.2	#20 x 3/#230 x 4	No.5	#20 x 3/#230 x 4	No.2	0.00
No.3	#20 x 3/#110 x 4	No.6	#20 x 3/#110 x 4	No.3	0.00

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	95.7	90.9	296.2
Potable Water	m3	0.0	8.0	250.8
Drill Water	m3	0.0	0.0	1,631.4
Fuel	m3	0.0	54.8	3,750.2
Lube, Oil	Ltrs	0.0	2,500.0	81,500.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	280.0

Mud Volume (m3)

Kill Mud (1.30sg)	67
KNPP (1.07-1.12sg)	549
SWG (1.04sg)	45
Prehy Gel (1.05sg)	170

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	09:24	09:31	1	5
2				
3				

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
Shinchou-maru	Chikyu		03:00
Hakuryu-maru	Sea current survey		

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	21	
Remarks		

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.2
Vessel Heading (deg)	285
Riser Tension (kN)	-
V.D. Load (Moon)	14155.4
Max Draught (m)	9.0
Thruster (kW)	1770

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	13.4	22.3	1016.7	13.4	306.0	14.8	2.5	300	7.3	1.2	112	28.0

Today's Schedule : Drill 12-1/4" LWD hole to 4238mBRT (700mbsf).

Reported by : T. Otani / D. Ikenomoto
Approved by : I. Sawada