Chikyu DAILY MORNING REPORT

Mission No. : CK12-06 **Exp. No. :** Exp 338 **Report No. :** 66

Site Name : C0012 **Hole Name :** C0012H **Lat.** 32° 44.8783'N **Long.** 136° 55.0351'E **Report Date :** 6/Dec/2012

Depth : @24:00 4,179.00 mBRT 641.00 mbsf Progress : 467.00 m Seabed Depth : 3,538.00 mBRT RT-MSL : 28.5 m

Depth : @06:00 4,248.00 mBRT 710.00 mbsf Drilling/Coring/Jetting Hrs. : 24.00 hrs LAST CASING : - x - mbsf(- mBRT)

Summary of Operation on 5-Dec : Drill 12-1/4"LWD hole.

Present Operation to 06:00 on 6-Dec : Drill 12-1/4"LWD hole to TD 4248mBRT (710mbsf). Circulation and bottoms up.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 5-Dec)

From	To	Hrs	Code	Detail of Operation
0:00	24:00	24:00	DRL	Continue to drill 12-1/4"LWD hole 3712-4179mBRT. 467m.
				Control ROP: 40m/hr, WOB: 0-120kN, HPS: 40-120rpm x 1-15kNm, Pump: 140spm x 13.7-14.4MPa.
				Sweep 5m3 every stand while drilling. No observe over pull, drag and fill.
				Increase WOB gradually (45 to 60kN) @4065mBRT and HPS torque 5.0 to 8.0kN-m with 90rpm @4068mBRT.
				Sweep 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: 64jts out of 88jts.
				Off load to Shincho-maru.
				All (four) moon pool hose and 160 m3 of KNPP mud.

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 GN (deg)
3732.14	1.40	344.53
3770.57	1.23	341.43
3808.99	1.20	347.84
3847.15	1.24	342.38
3885.57	1.29	340.44
3923.41	1.32	334.69
3961.64	1.39	331.68
3999.88	1.32	329.17
4037.88	1.38	326.23
4075.87	1.52	331.96
4113.78	1.89	321.90
4152.27	2.08	326.15

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

From	To	Hrs	Code	Detail of Operation
0:00	5:15	5:15	DRL	Continue to drill 12-1/4"LWD hole 4179-4248mBRT TD. 69m.
				At 04:30 reach to planned TD @4238mBRT (700mbsf).
				Scientist order to drill additional 10m drill in order to record by sonicVISION data (23m above the resistivity) from 4220 to 4225mBRT where the higher resistivity recorded.
				Control ROP: 40m/hr, WOB: 65-120kN, HPS: 100rpm x 4-15kNm, Pump: 140spm x 14.1-14.4MPa.
				Sweep 5m3 every stand while drilling. No observe over pull, drag and fill.
5:15	6:00	0:45	C&C	Circulation and bottoms up.
				Take survey inclination and azimuth. Spot 83m3 x 1.30sg kill mud and displace 25m3 seawater, ongoing.
				06:45 Commence POOH.
				Meanwhile,
				Lay out 6-5/8"DP Z-140 4jts @auxiliary hole. Total: 76jts out of 88jts.
				05:00 Advisory status due to strong wind over 18m/s .

Survey Data

Depth (mBRT)	Inclination (deg)	Azimuth (deg)
4190.73	2.46	326.26
4231.12	2.63	328.45

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
RR2c	12-1/4"	NOV	DSH616D-I2	M423	A162762	7 x 12, 2 x 11	3538.00	4,179.30	641.3	22.03	0	120	40	120	76.0								TD
							3538.00	*4,248.00*	*710.0*	*27.00*	*0*	*120*	*40*	*120*	*106.0*								

BHA Record

LWD Drlg	RR2c	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

Hook Wt. (kN) @24:00 4,179.0 mBRT

BHA	385
below HWDP	320
below jar	265
Hook load	2590
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	172	38	54	30	49			9.6									19		0.50	4.10
SWG		pit	1.04	88	15	46	20	21			11.8									19		0.32	8.44

Mud Pumps : 14-P-220 @ 4179.0 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	14.4	67	42
2	6"					
3	6"					

Personnel @24:00

CDEX	7
MQJ Crew	96
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	144

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	200	2,760
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	85.8	306.1
Potable Water	m3	0.0	5.0	245.8
Drill Water	m3	0.0	7.6	1,623.8
Fuel	m3	0.0	49.6	3,700.6
Lube, Oil	Ltrs	0.0	0.0	81,500.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	280.0

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
Shinchou-maru	Chikyu	06:30	
Hakuryu-maru	Sea current survey		

Mud Volume (m3)	
Kill Mud (1.30sg)	117
KNPP (1.07-1.12sg)	390
SWG (1.04sg)	20
Prehy Gel (1.05sg)	146

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	08:58	09:05	6	6
2	11:43	11:50	6	5
3	14:29	15:07	6	6

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	21	
Remarks		

Marine Information @24:00

Heave (m)	0.5
Pitch (deg)	0.4
Roll (deg)	0.2
Vessel Heading (deg)	265
Riser Tension (kN)	-
V.D. Load (Moon)	13956.3
Max Draught (m)	9.0
Thruster (kW)	890

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	r	14.0	22.4	1016.2	8.0	235.0	8.7	1.2	300	8.9	1.4	85	6.0

Today's Schedule : POOH. Preparation for coring.

Reported by : S. Kataoka / T. Otani

Approved by : I. Sawada