Chikyu DAILY MORNING REPORT

Mission No. : CK12-06 **Exp. No. :** Exp 338 **Report No. :** 75

Site Name : C0002 **Hole Name :** C0002H/C0002I **Lat.** 33°18.0362'N **Long.** 136°38.2077'E **Report Date :** 15/Dec/2012

Depth : @24:00 3,325.16 mBRT 1360.66 mbsf Progress : 38.16 m Seabed Depth : 1,964.50 mBRT RT-MSL : 28.5 m

Depth : @06:00 3,325.16 mBRT 1360.66 mbsf Drilling/Coring/Jetting Hrs. : 1.50 hrs LAST CASING : - x - mbsf(- mBRT)

Summary of Operation on 14-Dec : Attempt free pipe. Attempt to recover center bit. Run and survey free point by FPIT.

Present Operation to 06:00 on 15-Dec : Recover FPIT. Prepare colliding tool.

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

Time Breakdown (00:00 - 24:00 on 14-Dec

From	To	Hrs	Code	Detail of Operation
0:00	14:00	14:00	SP	Attempt free pipe.
				Continue work pipe, over pull 200-500kN, slack off 400-1000kN with 180spm x 27.9-28.8MPa.
				Meanwhile, stop pump and check SPP: 14.0MPa @3068.7mBRT. Bleed off pressure from stand pipe manifold. Return fluid: sea water.
				Prepare kill mud (1.35sg, 46m3 and 1.50sg, 68m3).
				HC gas (40-50%) was detected by Gambo separator gas detector @08:10.
14:00	16:45	2:45	Core (N)	Install and run sinker bar for recover center bit assembly. Attempt to recover unsuccessfully.
				Install sinker bar while free pipe.
				Attempt to latch on center bit assembly 4 times, but couldn't observed significant indication.
				Pick up sinker bar above BHA. Circulate 80spm x 9.6MPa 3min for clean the top of center bit assembly. Stop pump and check SPP: 4.8MPa.
				Bleed off pressure and attempt to recover center bit 3 times by increasing landing speed. But couldn't observed significant indication.
				Recover sinker bar. Uninstall same.
16:45	19:30	2:45	SP	Rig up schlumberger wire line equipments.
				Make up FPIT (Free Point Indicator Tool). Install wire line sheaves hanging from crown block. Install FPIT into drill pipe through top of hook block.
19:30	24:00	4:30	SP	Run and survey FPIT.
				FPIT survey @ 2000-2400-2772.5-2880-2818-2790mBRT (wire line depth).
				1. Set FPIT to target depth, pull drill string and adjust hook load to 2070kN.
				2. Over pull drill string 200 kN. Set FPIT anchor @each target depth.
				3. Check cable tension and slack cable 5m.
				4. Perform FPIT electrical zero measurement.
				5. Apply 300kN (+100kN) over pull.
				6. Perform FPIT stretch measurement.
				7. Release drill string to 2070kN hook weight.
				Confirm free @1992.7m (seabed), 2404.4m (439.9mbsf), 2771.0m (806.5mbsf, X-O sub between 8-1/2" DC and HWDP) and 2790mBRT(825.5mbsf, No. 11 HWDP).
				Remarks: 80% free with 100kN and 100% free with 200kN overpull @2790mBRT.
				Stuck pipe @ 2880m (915.5mbsf, No.1 HWDP) and 2818m (853.5mbsf, No.8 HWDP).
				Decide several point to 2740mBRT, 50m above 2790mBRT.
				Load 5 jts. of 8-1/2" coring DC from Shincho-maru.
				Off load 2 joints of Shoe and Collar joint of 16"CSG and 13-3/8"CSG 69 jts. Mud chemical (21 pallets of NaCl and 5 pallets of KCl) to Shincho-maru.

FPIT Assembly

Length from tool bottom	
Motor Measure	1.52m
CCL	3.01m

Time Breakdown (00:00 - 06:00 on 15-Dec) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	3:00	3:00	SP	Recover FTIP to surface.
3:00	6:00	3:00	SP(Other)	Prepare colliding tool.
				Set explosive.

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
RR3a	10.625	BHC	BHC408C	M333	7142020	8 x 13/32	1964.50	3,325.16	1,360.7	21.13	10	80	10	140	145.1								

BHA Record

Coring	3 / RR3a	Core bit x Bit Sub w/ 10-5/8"Stab x RCB Core Barrel x Top Sub x Head Sub x 10-5/8"Stab x 8-1/2"Core DC(11) x 8-1/2"Coring Jar x 8-1/2"Core DC(6) x XO x 5.68"HWDP(12) x XO x 5"DP S-14 42stds x 5-1/2" DP S-150.

Hook Wt. (kN) @24:00 3,066.5 mBRT

BHA	390
below HWDP	320
below jar	220
Hook load	2070
Hook block w/HPS	720

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
SWG		Pit	1.04	100	16	44	12	13			11.2									18		0.34	7.16
Kill Mud		Pit	1.35	150	20	36	8	18			10.5									18		0.44	3.59
Kill Mud		Pit	1.50	70	20	20	7	16			10.0									18		0.58	1.04

Mud Pumps : 14-P-220 @ 3070.0 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"	80	398	9.6	73	34
2	6"					
3	6"					

Personnel @24:00

CDEX	8
MOJ Crew	93
MOJ (Other)	2
MOJ (Add subsea E)	3
MWJ	19
NME	0
Scientist, IODP	16
Telnite	1
Oceaneering	0
NOV	0
MI Swaco	0
AXON	0
SES	0
Vetcogray	0
Geoservices	0
Schlumberger-CMT	0
Schlumberger-W/L	3
Schlumberger-LWD	1
Frank's	0
Blohm Voss	0
NOV-Anderreamer	0
Shinsei kougyo	0
Core-IRM	5
Total	151

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

Item	Received	Used	Stock
Barite (Bulk)	0	31,800	376,200
Kunigel-VO (Bulk)	0	0	2,000
NaOH	0	0	0
Lime	0	0	2,840
NaCl	0	0	31,000
KCl	0	0	21,000
Tel-Polymer DX / L / H	0/0/0	0/0/0	5420/4120/2060
XCD-Polymer	0	0	825
Soda Ash	0	0	1,350
KOH	0	25	3,225
Bi-Carbonate	0	0	1,050
Clean Lube	0	6,000	0
Tel DD	0	3,400	0
Lignate NC	0	0	4,800
Astex S	0	0	0
Treat HS	0	0	1,680
Defoamer 30C / 15	0	0/0	176/160
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	101.7	82.4	300.4
Potable Water	m3	0.0	3.9	277.8
Drill Water	m3	0.0	3.1	1,207.6
Fuel	m3	0.0	50.6	3,214.4
Lube, Oil	Ltrs	0.0	500.0	76,000.0
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 @24:00	Time @Chikyu Departed	Time @Chikyu Arrived
Shinchou-maru	Chikyu		
Hakuryu-maru	Chikyu		

Mud Volume (m3)	
Kill Mud (1.35sg)	46
KNPP (1.07-1.12sg)	88
SWG (1.04sg)	71
Prehy Gel (1.05sg)	141

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	10	
Remarks		

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.4
Roll (deg)	0.2
Vessel Heading (deg)	240
Riser Tension (kN)	-
V.D. Load (Moon)	11833.8
Max Draught (m)	9.0
Thruster (kW)	840

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	15.0	19.1	1024.6	7.5	175.0	8.8	1.0	60	5.7	2.3	73	30.0

Today's Schedule : Run colliding tool. Cut 5"DP. Check free pipe. Recover W/L tool. Spot kill mud. Recover drill pipe. Move vessel to low current area.

Reported by : D. Ikenomoto / T. Yokoyama / S. Kataoka

Approved by : T. Saruhashi